



EDUS121131A

**R-410A**

# Engineering Data

- Heat Pump -

## Multi-Split Type Air Conditioners

**2/3/4MXS-G/J Series**



**INVERTER**

**DAIKIN AC (AMERICAS), INC.**

# Multi-Split Type Air Conditioner

## 2/3/4MXS-G/J Series Engineering Data

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**Cautions**

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided and choose an outdoor unit with anti-corrosion treatment.



# Part 1

# Multi-Split Type Air Conditioners 2/3/4MXS-G/J Series Heat Pump

CTXS07LVJU	FFQ09LVJU	2MXS18GVJU
CTXS09HVJU	FFQ12LVJU	3MXS24JVJU
CTXS12HVJU	FFQ15LVJU	4MXS32GVJU
FTXS15LVJU	FFQ18LVJU	
FTXS18LVJU		
FDXS09LVJU		
FDXS12LVJU		
CDXS15LVJU		
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# 1. Power Supply

1

Indoor Unit		Outdoor Unit	Power Supply
CTXS, FTXS Series	CTXS07LVJU	2MXS18GVJU 3MXS24JVJU 4MXS32GVJU	1 $\phi$ , 208 - 230 V, 60 Hz
	CTXS09HVJU		
	CTXS12HVJU		
	FTXS15LVJU		
	FTXS18LVJU		
CDXS, FDXS Series	FDXS09LVJU		
	FDXS12LVJU		
	CDXS15LVJU		
	CDXS18LVJU		
FFQ Series	FFQ09LVJU		
	FFQ12LVJU		
	FFQ15LVJU		
	FFQ18LVJU		

**Note:** Power Supply Intake ; Outdoor Unit

## 2. Functions

Category	Functions	CTXS07LVJU	CTXS09/12HVJU	Category	Functions	CTXS07LVJU	CTXS09/12HVJU
Basic Function	Inverter (with inverter power control)	●	●	Health & Clean	Air-purifying filter	—	—
	Operation limit for cooling (°CDB)	—	—		Photocatalytic deodorizing filter	—	—
	Operation limit for cooling (°FDB)	—	—		Air-purifying filter with photocatalytic deodorizing function	—	●
	Operation limit for heating (°CWB)	—	—		Titanium apatite photocatalytic air-purifying filter	●	—
	Operation limit for heating (°FWB)	—	—		Longlife filter (option)	—	—
	PAM control	—	—		Air filter (prefilter)	●	●
Compressor	Oval scroll compressor	—	—	Timer	Wipe-clean flat panel	●	●
	Swing compressor	—	—		Washable grille	—	—
	Rotary compressor	—	—		Filter cleaning indicator	—	—
	Reluctance DC motor	—	—		Good-sleep cooling operation	—	—
Comfortable Airflow	Power-airflow louver (horizontal blade)	—	—		WEEKLY TIMER operation	●	—
	Power-airflow dual louvers	●	●			24-hour ON/OFF TIMER	●
	Power-airflow diffuser	—	—	NIGHT SET mode		●	●
	Wide-angle fins (vertical blades)	●	●	Worry Free "Reliability & Durability"	Auto-restart (after power failure)	●	●
	Vertical auto-swing (up and down)	●	●		Self-diagnosis (digital, LED) display	●	●
	Horizontal auto-swing (right and left)	●	●		Wiring error check function	—	—
Comfort Control	3-D airflow	●	●	Flexibility	Anticorrosion treatment of outdoor heat exchanger	—	—
	COMFORT AIRFLOW operation	●	—		Multi-split / split type compatible indoor unit	—	—
	Auto fan speed	●	●		Flexible power supply correspondence	—	—
	Indoor unit quiet operation	●	●		High ceiling application	—	—
	NIGHT QUIET mode (automatic)	—	—		Chargeless	—	—
	OUTDOOR UNIT QUIET operation (manual)	●	●		Either side drain (right or left)	●	●
	INTELLIGENT EYE operation	●	●		Power selection	—	—
	Quick warming function	—	—		°F/°C changeover R/C temperature display (factory setting: °F)	●	●
Operation	Hot-start function	●	●	Remote Control	5-room centralized controller (option)	●	●
	Automatic defrosting	—	—		Remote control adaptor (normal open-pulse contact) (option)	●	●
	Automatic operation	●	●		Remote control adaptor (normal open contact) (option)	●	●
Lifestyle Convenience	Program dry function	●	●	Remote Controller	DIII-NET compatible (adaptor) (option)	●	●
	Fan only	●	●		Wireless	●	●
	New POWERFUL operation (non-inverter)	—	—		Wired (option)	●	●
	Inverter POWERFUL operation	●	●				
	Priority-room setting	—	—				
	COOL / HEAT mode lock	—	—				
	HOME LEAVE operation	—	●				
	ECONO operation	●	—				
	Indoor unit [ON/OFF] button	●	●				
	Signal receiving sign	●	●				
R/C with back light	●	●					
Temperature display	—	—					

**Note:** ● : Holding Functions  
 — : No Functions

Category	Functions	FTXS15/18LVJU	FDXS09/12LVJU	Category	Functions	FTXS15/18LVJU	FDXS09/12LVJU
Basic Function	Inverter (with inverter power control)	●	●	Health & Clean	Air-purifying filter	—	—
	Operation limit for cooling (°CDB)	—	—		Photocatalytic deodorizing filter	—	—
	Operation limit for cooling (°FDB)	—	—		Air-purifying filter with photocatalytic deodorizing function	—	—
	Operation limit for heating (°CWB)	—	—		Titanium apatite photocatalytic air-purifying filter	●	—
	Operation limit for heating (°FWB)	—	—		Longlife filter (option)	—	—
PAM control	—	—	Air filter (prefilter)		●	●	
Compressor	Oval scroll compressor	—	—		Wipe-clean flat panel	●	—
	Swing compressor	—	—		Washable grille	—	—
	Rotary compressor	—	—		Filter cleaning indicator	—	—
	Reluctance DC motor	—	—		Good-sleep cooling operation	—	—
Comfortable Airflow	Power-airflow louver (horizontal blade)	—	—	Timer	WEEKLY TIMER operation	●	—
	Power-airflow dual louvers	●	—		24-hour ON/OFF TIMER	●	●
	Power-airflow diffuser	—	—		NIGHT SET mode	●	●
	Wide-angle fins (vertical blades)	●	—	Worry Free "Reliability & Durability"	Auto-restart (after power failure)	●	●
	Vertical auto-swing (up and down)	●	—		Self-diagnosis (digital, LED) display	●	●
	Horizontal auto-swing (right and left)	●	—		Wiring error check function	—	—
	3-D airflow	●	—		Anticorrosion treatment of outdoor heat exchanger	—	—
COMFORT AIRFLOW operation	●	—	Flexibility	Multi-split / split type compatible indoor unit	●	●	
Comfort Control	Auto fan speed	●		●	Flexible power supply correspondence	—	—
	Indoor unit quiet operation	●		●	High ceiling application	—	—
	NIGHT QUIET mode (automatic)	—		—	Chargeless	—	—
	OUTDOOR UNIT QUIET operation (manual)	●		●	Either side drain (right or left)	●	—
	INTELLIGENT EYE operation	●		—	Power selection	—	—
	Quick warming function	—		—	°F/°C changeover R/C temperature display (factory setting: °F)	●	●
	Hot-start function	●		●	Remote Control	5-room centralized controller (option)	●
	Automatic defrosting	—	—	Remote control adaptor (normal open-pulse contact) (option)		●	●
Operation	Automatic operation	●	●	Remote control adaptor (normal open contact) (option)		●	●
	Program dry function	●	●	DIII-NET compatible (adaptor) (option)	●	●	
	Fan only	●	●	Remote Controller	Wireless	●	●
Lifestyle Convenience	New POWERFUL operation (non-inverter)	—	—		Wired (option)	●	●
	Inverter POWERFUL operation	●	●				
	Priority-room setting	●	—				
	COOL / HEAT mode lock	—	—				
	HOME LEAVE operation	—	—				
	ECONO operation	●	●				
	Indoor unit [ON/OFF] button	●	●				
	Signal receiving sign	●	●				
	R/C with back light	●	●				
Temperature display	—	—					

**Note:** ● : Holding Functions

— : No Functions



Category	Functions			Category	Functions		
		CDXS15/18LVJU	FFQ09/12/15/18LVJU			CDXS15/18LVJU	FFQ09/12/15/18LVJU
Basic Function	Inverter (with inverter power control)	●	●	Health & Clean	Air-purifying filter	—	—
	Operation limit for cooling (°CDB)	—	—		Photocatalytic deodorizing filter	—	—
	Operation limit for cooling (°FDB)	—	—		Air-purifying filter with photocatalytic deodorizing function	—	—
	Operation limit for heating (°CWB)	—	—		Titanium apatite photocatalytic air-purifying filter	—	—
	Operation limit for heating (°FWB)	—	—		Longlife filter (option)	—	●
	PAM control	—	—		Air filter (prefilter)	●	—
Compressor	Oval scroll compressor	—	—		Wipe-clean flat panel	—	—
	Swing compressor	—	—		Washable grille	—	●
	Rotary compressor	—	—		Filter cleaning indicator	—	●
	Reluctance DC motor	—	—		Good-sleep cooling operation	—	—
Comfortable Airflow	Power-airflow louver (horizontal blade)	—	—		Timer	WEEKLY TIMER operation	—
	Power-airflow dual louvers	—	—	24-hour ON/OFF TIMER		●	—
	Power-airflow diffuser	—	—	72-hour ON/OFF TIMER		—	●★1
	Wide-angle fins (vertical blades)	—	—	NIGHT SET mode		●	—
	Vertical auto-swing (up and down)	—	●	Worry Free "Reliability & Durability"	Auto-restart (after power failure)	●	●
	Horizontal auto-swing (right and left)	—	—		Self-diagnosis (digital, LED) display	●	●
	3-D airflow	—	—		Wiring error check function	—	—
	COMFORT AIRFLOW operation	—	—		Anticorrosion treatment of outdoor heat exchanger	—	—
Comfort Control	Auto fan speed	●	—	Flexibility	Multi-split / split type compatible indoor unit	—	—
	Indoor unit quiet operation	●	—		Flexible power supply correspondence	—	—
	NIGHT QUIET mode (automatic)	—	—		High ceiling application	—	—
	OUTDOOR UNIT QUIET operation (manual)	●	—		Chargeless	—	—
	INTELLIGENT EYE operation	—	—		Either side drain (right or left)	—	—
	Quick warming function	—	—		Power selection	—	—
	Hot-start function	●	●		°F/°C changeover R/C temperature display (factory setting: °F)	●	●★2
	Automatic defrosting	—	—		Remote Control	5-room centralized controller (option)	●
Operation	Automatic operation	●	●	Remote control adaptor (normal open-pulse contact) (option)		●	—
	Program dry function	●	●	Remote control adaptor (normal open contact) (option)		●	—
	Fan only	●	●	DIII-NET compatible (adaptor) (option)		●	●
Lifestyle Convenience	New POWERFUL operation (non-inverter)	—	—	Remote Controller	Wireless (option)	●	●
	Inverter POWERFUL operation	●	—		Wired (option)	●	●
	Priority-room setting	—	—				
	COOL / HEAT mode lock	—	—				
	HOME LEAVE operation	—	—				
	ECONO operation	●	—				
	Indoor unit [ON/OFF] button	●	●★1				
	Signal receiving sign	●	●★1				
	R/C with back light	●	●★2				
	Temperature display	—	—				

**Note:** ● : Holding Functions  
— : No Functions

★1: With wireless remote controller  
★2: With wired remote controller

Category	Functions	2MXS18GVJU	3MXS24JVJU 4MXS32GVJU	Category	Functions	2MXS18GVJU	3MXS24JVJU 4MXS32GVJU
Basic Function	Inverter (with inverter power control)	●	●	Health & Clean	Air-purifying filter	—	—
	Operation limit for cooling (°CDB)	-10 ~ 46	-10 ~ 46		Photocatalytic deodorizing filter	—	—
	Operation limit for cooling (°FDB)	14 ~ 114.8	14 ~ 114.8		Air-purifying filter with photocatalytic deodorizing function	—	—
	Operation limit for heating (°CWB)	-15 ~ 15.5	-15 ~ 15.5		Titanium apatite photocatalytic air-purifying filter	—	—
	Operation limit for heating (°FWB)	5 ~ 59.9	5 ~ 59.9		Longlife filter (option)	—	—
	PAM control	●	●		Air filter (prefilter)	—	—
Compressor	Oval scroll compressor	—	—	Timer	Wipe-clean flat panel	—	—
	Swing compressor	●	●		Washable grille	—	—
	Rotary compressor	—	—		Filter cleaning indicator	—	—
	Reluctance DC motor	●	●		Good-sleep cooling operation	—	—
Comfortable Airflow	Power-airflow louver (horizontal blade)	—	—	Worry Free "Reliability & Durability"	WEEKLY TIMER operation	—	—
	Power-airflow dual louvers	—	—		24-hour ON/OFF timer	—	—
	Power-airflow diffuser	—	—		NIGHT SET mode	—	—
	Wide-angle fins (vertical blades)	—	—	Flexibility	Auto-restart (after power failure)	—	—
	Vertical auto-swing (up and down)	—	—		Self-diagnosis (digital, LED) display	●	●
	Horizontal auto-swing (right and left)	—	—		Wiring error check function	●	●
	3-D airflow	—	—		Anti-corrosion treatment of outdoor heat exchanger	●	●
COMFORT AIRFLOW operation	—	—	Multi-split / split type compatible indoor unit	—	—		
Comfort Control	Auto fan speed	—	—	Flexible power supply correspondence	—	—	
	Indoor unit quiet operation	—	—	High ceiling application	—	—	
	NIGHT QUIET mode (automatic)	●	●	Chargeless	98.4 ft (30 m)	131.6 ft (40 m)	
	OUTDOOR UNIT QUIET operation (manual)	●	●	Either side drain (right or left)	—	—	
	INTELLIGENT EYE operation	—	—	Power selection	—	—	
	Quick warming function	●	●	°F/°C changeover R/C temperature display (factory setting: °F)	—	—	
	Hot-start function	—	—	Remote Control	5-room centralized controller (option)	—	—
	Automatic defrosting	●	●		Remote control adaptor (normal open-pulse contact) (option)	—	—
Operation	Automatic operation	—	—	Remote Controller	Remote control adaptor (normal open contact) (option)	—	—
	Program dry function	—	—		DIII-NET compatible (adaptor) (option)	—	—
	Fan only	—	—		Wireless	—	—
Lifestyle Convenience	New POWERFUL operation (non-inverter)	—	—	Remote Controller	Wired (option)	—	—
	Inverter POWERFUL operation	—	—				
	Priority-room setting	●	●				
	COOL / HEAT mode lock	●	●				
	HOME LEAVE operation	—	—				
	ECONO operation	—	—				
	Indoor unit [ON/OFF] button	—	—				
	Signal receiving sign	—	—				
R/C with back light	—	—					
Temperature display	—	—					

**Notes:** ● : Holding Functions  
— : No Functions

### 3. Specifications

#### 3.1 Indoor Unit

60 Hz, 208 - 230 V

Model			CTXS07LVJU	
			Cooling	Heating
Rated Capacity ★			7 kBtu/h Class	
Front Panel Color			White	
Airflow Rate	H	cfm (m <sup>3</sup> /min)	332 (9.4)	350 (9.9)
	M		261 (7.4)	290 (8.2)
	L		194 (5.5)	233 (6.6)
	SL		145 (4.1)	219 (6.2)
Fan	Type		Cross Flow Fan	
	Motor Output	W	23	
	Speed	Steps	5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.09 - 0.08	0.11 - 0.10
Power Consumption (Rated)		W	18 - 18	21 - 21
Power Factor (Rated)		%	96.2 - 97.8	91.8 - 91.3
Temperature Control			Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	11-5/8 x 31-1/2 x 8-7/16 (295 x 800 x 215)	
Packaged Dimensions (H x W x D)		in. (mm)	14-7/16 x 34-1/4 x 10-13/16 (366 x 870 x 274)	
Weight (Mass)		Lbs (kg)	20 (9)	
Gross Weight (Gross Mass)		Lbs (kg)	29 (13)	
Sound Pressure Level	H / M / L / SL	dB(A)	38 / 32 / 25 / 22	38 / 33 / 28 / 25
Sound Power Level		dB	54	54
Heat Insulation			Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 3/8 (φ 9.5)	
	Drain	in. (mm)	φ 5/8 (φ 16.0)	
Drawing No.			3D075490	

Model			CTXS09HVJU		CTXS12HVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			9 kBtu/h Class		12 kBtu/h Class	
Front Panel Color			White		White	
Airflow Rate	H	cfm (m <sup>3</sup> /min)	388 (11.0)	400 (11.3)	388 (11.0)	400 (11.3)
	M		335 (9.5)	357 (10.1)	335 (9.5)	357 (10.1)
	L		283 (8.0)	314 (8.9)	283 (8.0)	314 (8.9)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	40		40	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.18	0.2	0.18	0.2
Power Consumption (Rated)		W	40	45	40	45
Power Factor (Rated)		%	96.6	97.8	96.6	97.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	11-7/16 x 31-5/16 x 9-3/8 (290 x 795 x 238)		11-7/16 x 31-5/16 x 9-3/8 (290 x 795 x 238)	
Packaged Dimensions (H x W x D)		in. (mm)	13-5/16 x 33-1/16 x 11 ( 338 x 840 x 280)		13-5/16 x 33-1/16 x 11 ( 338 x 840 x 280))	
Weight (Mass)		Lbs (kg)	20 (9)		20 (9)	
Gross Weight (Gross Mass)		Lbs (kg)	29 (13)		29 (13)	
Sound Pressure Level	H / M / L	dB(A)	44 / 40 / 35	44 / 39 / 34	45 / 41 / 36	45 / 40 / 35
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 3/8 (φ 9.5)		φ 3/8 (φ 9.5)	
	Drain	in. (mm)	φ 11/16 (φ 18.0)		φ 11/16 (φ 18.0)	
Drawing No.			3D062870A		3D062871A	

**Note:** ★See page 15 ~ 52 "Combination Capacity".

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m <sup>3</sup> /min × 35.3

Model			FTXS15LVJU		FTXS18LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			15 kBtu/h Class		18 kBtu/h Class	
Front Panel Color			White		White	
Airflow Rate	H	cfm (m³/min)	568 (16.1)	593 (16.8)	583 (16.5)	625 (17.7)
	M		477 (13.5)	505 (14.3)	484 (13.7)	526 (14.9)
	L		385 (10.9)	417 (11.8)	385 (10.9)	431 (12.2)
	SL		360 (10.2)	371 (10.5)	360 (10.2)	399 (11.3)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	48		48	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.31 - 0.29	0.31 - 0.29	0.32 - 0.30	0.32 - 0.30
Power Consumption (Rated)		W	38 - 38	38 - 38	38 - 38	38 - 38
Power Factor (Rated)		%	58.9 - 57.0	58.9 - 57.0	57.1 - 55.1	57.1 - 55.1
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	13-3/8 x 41-5/16 x 9-3/4 (340 x 1,050 x 248)		13-3/8 x 41-5/16 x 9-3/4 (340 x 1,050 x 248)	
Packaged Dimensions (H x W x D)		in. (mm)	16-7/8 x 45-11/16 x 13 (429 x 1,160 x 331)		16-7/8 x 45-11/16 x 13 (429 x 1,160 x 331)	
Weight (Mass)		Lbs (kg)	31 (14)		31 (14)	
Gross Weight (Gross Mass)		Lbs (kg)	44 (20)		44 (20)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 40 / 35 / 32	43 / 38 / 33 / 30	46 / 41 / 36 / 33	45 / 40 / 35 / 32
Sound Power Level		dB	61	59	62	61
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 1/2 (ϕ 12.7)		ϕ 1/2 (ϕ 12.7)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16.0)		ϕ 5/8 (ϕ 16.0)	
Drawing No.			3D075043		3D075044	

Model			FDXS09LVJU		FDXS12LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			9 kBtu/h Class		12 kBtu/h Class	
External Static Pressure		inAq (Pa)	0.12 (30)		0.12 (30)	
Airflow Rate	H	cfm (m³/min)	305 (8.6)	305 (8.6)	305 (8.6)	305 (8.6)
	M		280 (7.9)	280 (7.9)	280 (7.9)	280 (7.9)
	L		260 (7.4)	260 (7.4)	260 (7.4)	260 (7.4)
	SL		235 (6.7)	235 (6.7)	235 (6.7)	235 (6.7)
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	W	62		62	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.58 - 0.52	0.58 - 0.52	0.58 - 0.52	0.58 - 0.52
Power Consumption (Rated)		W	72 - 72	72 - 72	72 - 72	72 - 72
Power Factor (Rated)		%	59.7 - 60.2	59.7 - 60.2	59.7 - 60.2	59.7 - 60.2
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	7-7/8 x 27-9/16 x 24-7/16 (200 x 700 x 620)		7-7/8 x 27-9/16 x 24-7/16 (200 x 700 x 620)	
Packaged Dimensions (H x W x D)		in. (mm)	10-13/16 x 36-5/16 x 30-1/4 (274 x 923 x 768)		10-13/16 x 36-5/16 x 30-1/4 (274 x 923 x 768)	
Weight (Mass)		Lbs (kg)	47 (21)		47 (21)	
Gross Weight (Gross Mass)		Lbs (kg)	64 (29)		64 (29)	
Sound Pressure Level	H / M / L	dB(A)	35 / 33 / 31	35 / 33 / 31	35 / 33 / 31	35 / 33 / 31
Sound Power Level		dB	51	51	51	51
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 3/8 (ϕ 9.5)		ϕ 3/8 (ϕ 9.5)	
	Drain	in. (mm)	VP20 (O.D. ϕ 1-1/32 (ϕ 26), I.D. ϕ 25/32 (ϕ 20))		VP20 (O.D. ϕ 1-1/32 (ϕ 26), I.D. ϕ 25/32 (ϕ 20))	
Drawing No.			3D075493		3D075494	

**Note:** ★ See page 15 ~ 52 "Combination Capacity".

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

60 Hz, 208 - 230 V

Model			CDXS15LVJU		CDXS18LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			15 kBtu/h Class		18 kBtu/h Class	
External Static Pressure		inAq (Pa)	0.16 (40)		0.16 (40)	
Airflow Rate	H	cfm (m³/min)	424 (12.0)	424 (12.0)	424 (12.0)	424 (12.0)
	M		388 (11.0)	388 (11.0)	388 (11.0)	388 (11.0)
	L		353 (10.0)	353 (10.0)	353 (10.0)	353 (10.0)
	SL		297 (8.4)	297 (8.4)	297 (8.4)	297 (8.4)
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	W	130		130	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.79	0.79	0.79	0.79
Power Consumption (Rated)		W	172	172	172	172
Power Factor (Rated)		%	94.4	94.4	94.4	94.4
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	7-7/8 x 35-7/16 x 24-7/16 (200 x 900 x 620)		7-7/8 x 35-7/16 x 24-7/16 (200 x 900 x 620)	
Packaged Dimensions (H x W x D)		in. (mm)	10-1/2 x 43-9/16 x 29-9/16 (266 x 1,106 x 751)		10-1/2 x 43-9/16 x 29-9/16 (266 x 1,106 x 751)	
Weight (Mass)		Lbs (kg)	60 (27)		60 (27)	
Gross Weight (Gross Mass)		Lbs (kg)	75 (34)		75 (34)	
Sound Pressure Level	H / M / L / SL	dB(A)	37 / 35 / 33 / 31	37 / 35 / 33 / 31	37 / 35 / 33 / 31	37 / 35 / 33 / 31
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 1/2 (φ 12.7)		φ 1/2 (φ 12.7)	
	Drain	in. (mm)	VP20 (O.D. φ 1-1/32 (φ 26), I.D. φ 25/32 (φ 20))		VP20 (O.D. φ 1-1/32 (φ 26), I.D. φ 25/32 (φ 20))	
Drawing No.			C: 3D075721		C: 3D075722	

Model			FFQ09LVJU		FFQ12LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			9 kBtu/h Class		12 kBtu/h Class	
Decoration Panel	Model		BYFQ60B8W1U		BYFQ60B8W1U	
	Color		White		White	
	Dimensions (H x W x D)		2-5/32 x 27-9/16 x 27-9/16 (55 x 700 x 700)		2-5/32 x 27-9/16 x 27-9/16 (55 x 700 x 700)	
Weight (Mass)		Lbs (kg)	6 (2.7)		6 (2.7)	
Airflow Rate	H	cfm (m³/min)	318 (9.0)	318 (9.0)	353 (10.0)	353 (10.0)
	L		230 (6.5)	230 (6.5)	230 (6.5)	230 (6.5)
Fan	Type		Turbo Fan		Turbo Fan	
	Motor Output	W	55		55	
	Speed	Steps	2 Steps		2 Steps	
Air Direction Control			Horizontal, Downward		Horizontal, Downward	
Running Current (Rated)		A	0.44	0.38	0.47	0.42
Power Consumption (Rated)		W	87	76	98	89
Power Factor		%	85.8	87.0	91.3	91.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	11-1/4 x 22-5/8 x 22-5/8 (285 x 575 x 575)		11-1/4 x 22-5/8 x 22-5/8 (285 x 575 x 575)	
Packaged Dimensions (H x W x D)		in. (mm)	14-9/16 x 27-1/16 x 26-9/16 (370 x 687 x 674)		14-9/16 x 27-1/16 x 26-9/16 (370 x 687 x 674)	
Weight (Mass)		Lbs (kg)	38.6 (17.5)		38.6 (17.5)	
Gross Weight (Gross Mass)		Lbs (kg)	46 (21)		46 (21)	
Sound Pressure Level	H / L	dB(A)	36.0 / 29.5	36.0 / 29.5	38.5 / 29.0	38.5 / 29.0
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 3/8 (φ 9.5)		φ 3/8 (φ 9.5)	
	Drain	in. (mm)	VP20 (O.D. φ 1-1/32 (φ 26) / I.D. φ 25/32 (φ 20))		VP20 (O.D. φ 1-1/32 (φ 26) / I.D. φ 25/32 (φ 20))	
Drawing No.			3D080626		3D080627	

**Note:** ★ See page 15 ~ 52 "Combination Capacity".

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

Model			FFQ15LVJU		FFQ18LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			15 kBtu/h Class		18 kBtu/h Class	
Decoration Panel	Model		BYFQ60B8W1U		BYFQ60B8W1U	
	Color		White		White	
	Dimensions (H x W x D)		2-5/32 x 27-9/16 x 27-9/16 (55 x 700 x 700)		2-5/32 x 27-9/16 x 27-9/16 (55 x 700 x 700)	
	Weight (Mass)	Lbs (kg)	6 (2.7)		6 (2.7)	
Airflow Rate	H	cfm	424 (12.0)	424 (12.0)	530 (15.0)	530 (15.0)
	L	(m³/min)	283 (8.0)	283 (8.0)	353 (10.0)	353 (10.0)
Fan	Type		Turbo Fan		Turbo Fan	
	Motor Output	W	55		55	
	Speed	Steps	2 Steps		2 Steps	
Air Direction Control			Horizontal, Downward		Horizontal, Downward	
Running Current (Rated)		A	0.57	0.52	0.71	0.65
Power Consumption (Rated)		W	112	103	140	130
Power Factor		%	86.1	86.0	85.5	86.2
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	11-1/4 x 22-5/8 x 22-5/8 (285 x 575 x 575)		11-1/4 x 22-5/8 x 22-5/8 (285 x 575 x 575)	
Packaged Dimensions (H x W x D)		in. (mm)	14-9/16 x 27-1/16 x 26-9/16 (370 x 687 x 674)		14-9/16 x 27-1/16 x 26-9/16 (370 x 687 x 674)	
Weight (Mass)		Lbs (kg)	38.6 (17.5)		38.6 (17.5)	
Gross Weight (Gross Mass)		Lbs (kg)	46 (21)		46 (21)	
Sound Pressure Level	H / L	dB(A)	42.5 / 31.5	42.5 / 31.5	46.0 / 37.5	46.0 / 37.5
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 1/2 (ϕ 12.7)		ϕ 1/2 (ϕ 12.7)	
	Drain	in. (mm)	VP20 (O.D. ϕ 1-1/32 (ϕ 26) / I.D. ϕ 25/32 (ϕ 20)		VP20 (O.D. ϕ 1-1/32 (ϕ 26) / I.D. ϕ 25/32 (ϕ 20)	
Drawing No.			3D080628		3D080629	

**Note:** ★ See page 15 ~ 52 "Combination Capacity".

Conversion Formulae
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m³/min x 35.3

### 3.2 Outdoor Unit

60 Hz, 208 - 230 V

Model		2MXS18GVJU		
		Cooling	Heating	
Capacity ★	kW	—		
Power Consumption ★	W	—		
Running Current ★	A	—		
Casing Color		Ivory White		
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2YC45EXD		
	Motor Output	W	1,380	
Refrigerant Oil	Model	FVC50K		
	Charge	oz (L)	26.5 (0.75)	
Refrigerant	Type	R-410A		
	Charge	Lbs (kg)	5.73 (2.6)	
Airflow Rate	H	cfm	1,730	1,448
	L		1,518	1,377
	H	m³/min	49	41
	L		43	39
Fan	Type	Propeller		
	Motor Output	W	53	
	Running Current	A	H: 0.31 / L: 0.28	H: 0.27 / L: 0.25
	Power Consumption	W	H: 65 / L: 57	H: 55 / L: 52
Starting Current	A	10.6		
Dimension (H × W × D)	in. (mm)	28-15/16 × 32-1/2 × 11-13/16 (735 × 825 × 300)		
Packaged Dimension (H × W × D)	in. (mm)	31-7/16 × 39-5/16 × 15-3/8 (806 × 999 × 390)		
Weight (Mass)	Lbs (kg)	139 (63)		
Gross Weight (Gross Mass)	Lbs (kg)	144 (65)		
Sound Pressure Level	dB(A)	50	51	
Piping Connections	Liquid	in. (mm)	φ 1/4 × 2 (φ 6.4 × 2)	
	Gas	in. (mm)	φ 3/8 × 2 (φ 9.5 × 2)	
	Drain	in. (mm)	φ 11/16 (φ 18.0)	
Heat Insulation		Both Liquid and Gas Pipes		
No. of Wiring Connection		3 for Power Supply, 4 for Interunit Wiring		
Max. Interunit Piping Length	ft (m)	164 (50) (for Total of Each Room)		
		82 (25) (for One Room)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.22 (20) (98.4 ft (30 m) or more)		
Max. Installation Height Difference	ft (m)	49.2 (15) (between Indoor Unit and Outdoor Unit)		
		24.6 (7.5) (between Indoor Units)		
Drawing No.		3D058840		

- Note:**
- ★ See page 15 “Combination Capacity”.
  - The data are based on the conditions shown in the table below.

Cooling	Indoor ; 80°FDB (26.7°CDB) / 67°F WB (19.4°CWB)
	Outdoor ; 95°FDB (35°CDB) / 75°F WB (24°CWB)
Heating	Indoor ; 70°FDB (21°CDB) / 60°F WB (15.6°CWB)
	Outdoor ; 47°FDB (8.3°CDB) / 43°F WB (6°CWB)
Piping Length	25 ft (7.5 m)

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

Model		3MXS24JVJU		
		Cooling	Heating	
Capacity ★	kW	—		
Power Consumption ★	W	—		
Running Current ★	A	—		
Casing Color		Ivory White		
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2YC63EXD		
	Motor Output	W	1,920	
Refrigerant Oil	Model	FVC50K		
	Charge	oz (L)	26.5 (0.75)	
Refrigerant	Type	R-410A		
	Charge	Lbs (kg)	6.61 (3.0)	
Airflow Rate	H	cfm	2,062	1,840
			1,840	1,840
			1,642	459
	M	m³/min	58.4	52.1
			52.1	52.1
			46.5	13.0
Fan	Type	Propeller		
	Motor Output	W	66	
	Running Current	A	H: 1.02 / M: 0.87 / L: 0.69	
	Power Consumption	W	H: 95 / M: 74 / L: 55	
Starting Current	A	17.8		
Dimension (H × W × D)	in. (mm)	30-5/16 × 35-7/16 × 12-5/8 (770 × 900 × 320)		
Packaged Dimension (H × W × D)	in. (mm)	35-7/8 × 37-11/16 × 15-15/16 (911 × 958 × 405)		
Weight (Mass)	Lbs (kg)	168 (76)		
Gross Weight (Gross Mass)	Lbs (kg)	196 (89)		
Sound Pressure Level	dB(A)	52	54	
Piping Connections	Liquid	in. (mm)	φ 1/4 × 3 (φ 6.4 × 3)	
	Gas	in. (mm)	φ 3/8 × 1, φ 1/2 × 1, φ 5/8 × 1 (φ 9.5 × 1, φ 12.7 × 1, φ 16.0 × 1)	
	Drain	in. (mm)	φ 1 (φ 25)	
Heat Insulation	Both Liquid and Gas Pipes			
No. of Wiring Connection	3 for Power Supply, 4 for Interunit Wiring			
Max. Interunit Piping Length	ft (m)	230 (70) (for Total of Each Room)		
		82 (25) (for One Room)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.22 (20) (131.6 ft (40 m) or more)		
Max. Installation Height Difference	ft (m)	49.2 (15) (between Indoor Unit and Outdoor Unit)		
		24.6 (7.5) (between Indoor Units)		
Drawing No.	3D066155			

- Note:**
- ★ See page 17 "Combination Capacity".
  - The data are based on the conditions shown in the table below.

Cooling	Indoor ; 80°FDB (26.7°CDB) / 67°F WB (19.4°CWB)
	Outdoor ; 95°FDB (35°CDB) / 75°F WB (24°CWB)
Heating	Indoor ; 70°FDB (21°CDB) / 60°F WB (15.6°CWB)
	Outdoor ; 47°FDB (8.3°CDB) / 43°F WB (6°CWB)
Piping Length	25 ft (7.5 m)

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3



60 Hz, 208 - 230 V

Model		4MXS32GVJU		
		Cooling	Heating	
Capacity ★	kW	—		
Power Consumption ★	W	—		
Running Current ★	A	—		
Casing Color		Ivory White		
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2YC63EXD		
	Motor Output	W	1,920	
Refrigerant Oil	Model	FVC50K		
	Charge	oz (L)	26.5 (0.75)	
Refrigerant	Type	R-410A		
	Charge	Lbs (kg)	6.83 (3.1)	
Airflow Rate	H	cfm	2,062	1,840
			1,840	1,840
			1,642	459
	M	m³/min	58.4	52.1
			52.1	52.1
			46.5	13.0
Fan	Type	Propeller		
	Motor Output	W	66	
	Running Current	A	H: 1.02 / M: 0.87 / L: 0.69	
	Power Consumption	W	H: 95 / M: 74 / L: 55	
Starting Current	A	18.0		
Dimension (H × W × D)	in. (mm)	30-5/16 × 35-7/16 × 12-5/8 (770 × 900 × 320)		
Packaged Dimension (H × W × D)	in. (mm)	35-7/8 × 37-11/16 × 15-15/16 (911 × 958 × 405)		
Weight (Mass)	Lbs (kg)	168 (76)		
Gross Weight (Gross Mass)	Lbs (kg)	196 (89)		
Sound Pressure Level	dB(A)	52	54	
Piping Connections	Liquid	in. (mm)	φ 1/4 × 4 (φ 6.4 × 4)	
	Gas	in. (mm)	φ 3/8 × 1, φ 1/2 × 1, φ 5/8 × 2 (φ 9.5 × 1, φ 12.7 × 1, φ 16.0 × 2)	
	Drain	in. (mm)	φ 1 (φ 25)	
Heat Insulation	Both Liquid and Gas Pipes			
No. of Wiring Connection	3 for Power Supply, 4 for Interunit Wiring			
Max. Interunit Piping Length	ft (m)	230 (70) (for Total of Each Room)		
		82 (25) (for One Room)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.22 (20) (131.6 ft (40 m) or more)		
Max. Installation Height Difference	ft (m)	49.2 (15) (between Indoor Unit and Outdoor Unit)		
		24.6 (7.5) (between Indoor Units)		
Drawing No.	3D058873A			

- Note:**
- ★ See page 29 "Combination Capacity".
  - The data are based on the conditions shown in the table below.

Cooling	Indoor ; 80°FDB (26.7°CDB) / 67°F WB (19.4°CWB)
	Outdoor ; 95°FDB (35°CDB) / 75°F WB (24°CWB)
Heating	Indoor ; 70°FDB (21°CDB) / 60°F WB (15.6°CWB)
	Outdoor ; 47°FDB (8.3°CDB) / 43°F WB (6°CWB)
Piping Length	25 ft (7.5 m)

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

### 3.3 Combination Capacity: 2MXS18GVJU

#### Cooling [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	7.00	—	—	—	7.00	5.50 ~ 7.60	500	330 ~ 560	2.5	1.7 ~ 2.8	96
09	Non-Ducted	—	—	—	9.00	—	—	—	9.00	5.50 ~ 9.30	750	330 ~ 780	3.8	1.7 ~ 3.9	96
09	Duct	—	—	—	8.00	—	—	—	8.00	5.00 ~ 8.00	830	390 ~ 830	4.2	2.0 ~ 4.2	96
07+07	Non-Ducted	Non-Ducted	—	—	7.00	7.00	—	—	14.00	6.70 ~ 15.00	920	350 ~ 1020	4.5	1.7 ~ 5.0	99
07+09	Non-Ducted	Non-Ducted	—	—	7.00	9.00	—	—	16.00	6.70 ~ 17.00	1150	350 ~ 1280	5.6	1.7 ~ 6.2	99
07+09	Non-Ducted	Duct	—	—	6.56	8.44	—	—	15.00	6.40 ~ 15.50	1260	420 ~ 1330	6.1	2.0 ~ 6.5	99
09+09	Non-Ducted	Non-Ducted	—	—	9.00	9.00	—	—	18.00	6.70 ~ 19.00	1420	350 ~ 1700	6.9	1.7 ~ 8.3	99
09+09	Non-Ducted	Duct	—	—	8.50	8.50	—	—	17.00	6.40 ~ 17.50	1600	420 ~ 1750	7.8	2.0 ~ 8.5	99
09+09	Duct	Duct	—	—	8.00	8.00	—	—	16.00	6.10 ~ 16.10	1760	490 ~ 1800	8.5	2.4 ~ 8.7	99

#### Heating [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	8.60	—	—	—	8.60	5.90 ~ 9.20	660	440 ~ 710	3.2	2.2 ~ 3.5	98
09	Non-Ducted	—	—	—	11.00	—	—	—	11.00	5.90 ~ 11.80	910	440 ~ 980	4.5	2.2 ~ 4.8	98
09	Duct	—	—	—	11.00	—	—	—	11.00	5.60 ~ 11.50	980	490 ~ 1050	4.8	2.4 ~ 5.2	98
07+07	Non-Ducted	Non-Ducted	—	—	8.60	8.60	—	—	17.20	8.20 ~ 18.80	1290	530 ~ 1430	6.3	2.6 ~ 6.9	99
07+09	Non-Ducted	Non-Ducted	—	—	8.58	11.02	—	—	19.60	8.20 ~ 21.40	1550	530 ~ 1710	7.5	2.6 ~ 8.3	99
07+09	Non-Ducted	Duct	—	—	8.58	11.02	—	—	19.60	8.10 ~ 21.00	1670	580 ~ 1890	8.1	2.8 ~ 9.2	99
09+09	Non-Ducted	Non-Ducted	—	—	11.00	11.00	—	—	22.00	8.20 ~ 24.00	1880	530 ~ 1970	9.1	2.6 ~ 9.6	99
09+09	Non-Ducted	Duct	—	—	11.00	11.00	—	—	22.00	8.10 ~ 23.60	2080	580 ~ 2130	10.1	2.8 ~ 10.3	99
09+09	Duct	Duct	—	—	11.00	11.00	—	—	22.00	8.00 ~ 23.20	2190	640 ~ 2290	10.6	3.1 ~ 11.1	99

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 18.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H series  
Duct type indoor unit: FDXS-L series

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## Cooling [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	7.00	—	—	—	7.00	5.50 ~ 7.60	500	330 ~ 560	2.3	1.5 ~ 2.5	96
09	Non-Ducted	—	—	—	9.00	—	—	—	9.00	5.50 ~ 9.30	750	330 ~ 780	3.4	1.5 ~ 3.5	96
09	Duct	—	—	—	8.00	—	—	—	8.00	5.00 ~ 8.00	830	390 ~ 830	3.8	1.8 ~ 3.8	96
07+07	Non-Ducted	Non-Ducted	—	—	7.00	7.00	—	—	14.00	6.70 ~ 15.00	920	350 ~ 1020	4.0	1.5 ~ 4.5	99
07+09	Non-Ducted	Non-Ducted	—	—	7.00	9.00	—	—	16.00	6.70 ~ 17.00	1150	350 ~ 1280	5.1	1.5 ~ 5.6	99
07+09	Non-Ducted	Duct	—	—	6.56	8.44	—	—	15.00	6.40 ~ 15.50	1260	420 ~ 1330	5.5	1.8 ~ 5.8	99
09+09	Non-Ducted	Non-Ducted	—	—	9.00	9.00	—	—	18.00	6.70 ~ 19.00	1420	350 ~ 1700	6.2	1.5 ~ 7.5	99
09+09	Non-Ducted	Duct	—	—	8.50	8.50	—	—	17.00	6.40 ~ 17.50	1600	420 ~ 1750	7.0	1.8 ~ 7.7	99
09+09	Duct	Duct	—	—	8.00	8.00	—	—	16.00	6.10 ~ 16.10	1760	490 ~ 1800	7.7	2.2 ~ 7.9	99

## Heating [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	8.60	—	—	—	8.60	5.90 ~ 9.20	660	440 ~ 710	2.9	2.0 ~ 3.1	98
09	Non-Ducted	—	—	—	11.00	—	—	—	11.00	5.90 ~ 11.80	910	440 ~ 980	4.0	2.0 ~ 4.3	98
09	Duct	—	—	—	11.00	—	—	—	11.00	5.60 ~ 11.50	980	490 ~ 1050	4.3	2.2 ~ 4.7	98
07+07	Non-Ducted	Non-Ducted	—	—	8.60	8.60	—	—	17.20	8.20 ~ 18.80	1290	530 ~ 1430	5.7	2.3 ~ 6.3	99
07+09	Non-Ducted	Non-Ducted	—	—	8.58	11.02	—	—	19.60	8.20 ~ 21.40	1550	530 ~ 1710	6.8	2.3 ~ 7.5	99
07+09	Non-Ducted	Duct	—	—	8.58	11.02	—	—	19.60	8.10 ~ 21.00	1670	580 ~ 1890	7.3	2.5 ~ 8.3	99
09+09	Non-Ducted	Non-Ducted	—	—	11.00	11.00	—	—	22.00	8.20 ~ 24.00	1880	530 ~ 1970	8.3	2.3 ~ 8.7	99
09+09	Non-Ducted	Duct	—	—	11.00	11.00	—	—	22.00	8.10 ~ 23.60	2080	580 ~ 2130	9.1	2.5 ~ 9.4	99
09+09	Duct	Duct	—	—	11.00	11.00	—	—	22.00	8.00 ~ 23.20	2190	640 ~ 2290	9.6	2.8 ~ 10.1	99

**Note:**

- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
- The total ability of connected indoor units is up to 18.0 kBtu/h.
- It is impossible to connect only one indoor unit.
- Non-Ducted type indoor unit: CTXS-L, CTXS-H series  
Duct type indoor unit: FDXS-L series

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### 3.4 Combination Capacity: 3MXS24JVJU

#### Cooling [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.3	2.9 ~ 3.3	98
09	Non-Ducted	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	4.0	2.9 ~ 4.0	98
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	4.3	3.0 ~ 4.3	98
12	Non-Ducted	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.5	2.9 ~ 5.5	98
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.7	3.0 ~ 5.7	98
15	Non-Ducted	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	7.0	2.9 ~ 7.0	98
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	7.4	3.6 ~ 7.4	98
18	Non-Ducted	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	9.6	3.1 ~ 9.6	98
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	9.6	3.7 ~ 9.6	98
07+07	Non-Ducted	Non-Ducted	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	6.4	3.0 ~ 6.4	98
07+09	Non-Ducted	Non-Ducted	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	7.3	3.0 ~ 7.3	98
07+09	Non-Ducted	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	7.0	3.2 ~ 7.0	98
07+12	Non-Ducted	Non-Ducted	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	9.3	3.0 ~ 9.3	98
07+12	Non-Ducted	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	9.2	3.2 ~ 9.2	98
07+15	Non-Ducted	Non-Ducted	—	—	6.80	17.00	—	—	23.80	9.30 ~ 23.80	2190	680 ~ 2190	10.7	3.3 ~ 10.7	98
07+15	Non-Ducted	Duct	—	—	6.46	16.14	—	—	22.60	9.10 ~ 22.60	2200	810 ~ 2200	10.8	4.0 ~ 10.8	98
07+18	Non-Ducted	Non-Ducted	—	—	6.00	18.00	—	—	24.00	9.90 ~ 24.70	2240	710 ~ 2360	11.0	3.5 ~ 11.6	98
07+18	Non-Ducted	Duct	—	—	5.85	17.55	—	—	23.40	9.60 ~ 23.40	2360	840 ~ 2360	11.6	4.1 ~ 11.6	98
09+09	Non-Ducted	Non-Ducted	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	8.1	3.0 ~ 8.1	98
09+09	Non-Ducted	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	8.0	3.2 ~ 8.0	98
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	7.5	3.4 ~ 7.5	98
09+12	Non-Ducted	Non-Ducted	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	10.6	3.2 ~ 10.6	98
09+12	Non-Ducted	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Non-Ducted	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	10.0	3.5 ~ 10.0	98
09+15	Non-Ducted	Non-Ducted	—	—	8.00	16.00	—	—	24.00	9.90 ~ 24.40	2240	710 ~ 2300	11.0	3.5 ~ 11.3	98
09+15	Non-Ducted	Duct	—	—	7.73	15.47	—	—	23.20	9.60 ~ 23.20	2300	840 ~ 2300	11.3	4.1 ~ 11.3	98
09+15	Duct	Non-Ducted	—	—	8.00	16.00	—	—	24.00	9.40 ~ 24.00	2480	750 ~ 2480	12.2	3.7 ~ 12.2	98
09+15	Duct	Duct	—	—	7.63	15.27	—	—	22.90	9.20 ~ 22.90	2490	880 ~ 2490	12.2	4.3 ~ 12.2	98
09+18	Non-Ducted	Non-Ducted	—	—	7.06	16.94	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	11.0	3.5 ~ 12.1	98
09+18	Non-Ducted	Duct	—	—	7.06	16.94	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	12.1	4.1 ~ 12.1	98
09+18	Duct	Non-Ducted	—	—	7.06	16.94	—	—	24.00	9.50 ~ 24.70	2490	750 ~ 2660	12.2	3.7 ~ 13.0	98
09+18	Duct	Duct	—	—	6.91	16.59	—	—	23.50	9.20 ~ 23.50	2650	880 ~ 2650	13.0	4.3 ~ 13.0	98
12+12	Non-Ducted	Non-Ducted	—	—	12.00	12.00	—	—	24.00	8.90 ~ 24.00	2440	670 ~ 2440	12.0	3.3 ~ 12.0	98
12+12	Duct	Non-Ducted	—	—	11.85	11.85	—	—	23.70	8.50 ~ 23.70	2680	710 ~ 2680	13.1	3.5 ~ 13.1	98
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	14.1	3.7 ~ 14.1	98
12+15	Non-Ducted	Non-Ducted	—	—	9.88	14.12	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	11.0	3.5 ~ 12.1	98
12+15	Non-Ducted	Duct	—	—	9.88	14.12	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	12.1	4.1 ~ 12.1	98
12+15	Duct	Non-Ducted	—	—	9.88	14.12	—	—	24.00	9.40 ~ 24.40	2480	750 ~ 2600	12.2	3.7 ~ 12.8	98
12+15	Duct	Duct	—	—	9.59	13.71	—	—	23.30	9.20 ~ 23.30	2600	880 ~ 2600	12.8	4.3 ~ 12.8	98
12+18	Non-Ducted	Non-Ducted	—	—	8.84	15.16	—	—	24.00	12.90 ~ 25.80	2240	900 ~ 2650	11.0	4.4 ~ 13.0	98
12+18	Non-Ducted	Duct	—	—	8.84	15.16	—	—	24.00	12.50 ~ 24.50	2470	1030 ~ 2580	12.1	5.1 ~ 12.7	98
12+18	Duct	Non-Ducted	—	—	8.84	15.16	—	—	24.00	12.40 ~ 25.00	2490	940 ~ 2720	12.2	4.6 ~ 13.3	98
12+18	Duct	Duct	—	—	8.77	15.03	—	—	23.80	11.90 ~ 23.80	2710	1060 ~ 2710	13.3	5.2 ~ 13.3	98
15+15	Non-Ducted	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.40 ~ 26.20	2100	910 ~ 2550	10.3	4.5 ~ 12.5	98
15+15	Duct	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.10 ~ 25.20	2270	1030 ~ 2550	11.1	5.1 ~ 12.5	98
15+15	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 24.60	2550	1160 ~ 2670	12.5	5.7 ~ 13.1	98
15+18	Non-Ducted	Non-Ducted	—	—	10.91	13.09	—	—	24.00	13.50 ~ 26.90	2050	910 ~ 2680	10.1	4.5 ~ 13.1	98
15+18	Non-Ducted	Duct	—	—	10.91	13.09	—	—	24.00	13.10 ~ 25.60	2270	1030 ~ 2670	11.1	5.1 ~ 13.1	98
15+18	Duct	Non-Ducted	—	—	10.91	13.09	—	—	24.00	13.20 ~ 25.60	2280	1030 ~ 2610	11.2	5.1 ~ 12.8	98
15+18	Duct	Duct	—	—	10.91	13.09	—	—	24.00	12.80 ~ 25.00	2550	1160 ~ 2720	12.5	5.7 ~ 13.3	98
18+18	Non-Ducted	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.50 ~ 27.60	2050	910 ~ 2860	10.1	4.5 ~ 14.0	98
18+18	Duct	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.20 ~ 26.40	2280	1030 ~ 2850	11.2	5.1 ~ 14.0	98
18+18	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 25.80	2550	1160 ~ 2960	12.5	5.7 ~ 14.5	98
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	7.77	7.77	7.77	—	23.30	9.50 ~ 23.30	1810	640 ~ 1810	8.9	3.1 ~ 8.9	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	7.26	7.26	9.08	—	23.60	10.10 ~ 23.60	1860	670 ~ 1860	9.1	3.3 ~ 9.1	98
07+07+09	Non-Ducted	Non-Ducted	Duct	—	7.08	7.08	8.84	—	23.00	9.80 ~ 23.00	1940	720 ~ 1940	9.5	3.5 ~ 9.5	98
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.40	6.40	11.20	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	9.4	3.4 ~ 9.7	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	6.40	6.40	11.20	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	10.3	3.7 ~ 10.3	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.33	5.33	13.34	—	24.00	14.50 ~ 25.50	1820	910 ~ 2030	8.9	4.5 ~ 10.0	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	5.33	5.33	13.34	—	24.00	14.20 ~ 24.40	2000	1040 ~ 2050	9.8	5.1 ~ 10.1	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.80	4.80	14.40	—	24.00	14.60 ~ 26.20	1830	910 ~ 2140	9.0	4.5 ~ 10.5	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	4.80	4.80	14.40	—	24.00	14.20 ~ 25.10	2000	1040 ~ 2160	9.8	5.1 ~ 10.6	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	6.86	8.57	8.57	—	24.00	10.10 ~ 24.00	1910	670 ~ 1910	9.4	3.3 ~ 9.4	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	6.78	8.46	8.46	—	23.70	9.80 ~ 23.70	2050	720 ~ 2050	10.1	3.5 ~ 10.1	98
07+09+09	Non-Ducted	Duct	Duct	—	6.68	8.36	8.36	—	23.40	9.50 ~ 23.40	2180	770 ~ 2180	10.7	3.8 ~ 10.7	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	7.50	10.50	—	24.00	10.70 ~ 24.70	1910	700 ~ 2020	9.4	3.4 ~ 9.9	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	10.3	3.7 ~ 10.5	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	10.3	3.7 ~ 10.5	98
07+09+12	Non-Ducted	Duct	Duct	—	6.00	7.50	10.50	—	24.00	10.00 ~ 24.00	2280	800 ~ 2280	11.2	3.9 ~ 11.2	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.05	6.32	12.63	—	24.00	14.50 ~ 25.80	1820	910 ~ 2090	8.9	4.5 ~ 10.3	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	5.05	6.32	12.63	—	24.00	14.20 ~ 24.80	2000	1040 ~ 2100	9.8	5.1 ~ 10.3	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.05	6.32	12.63	—	24.00	14.10 ~ 25.40	1960	950 ~ 2170	9.6	4.7 ~ 10.6	98
07+09+15	Non-Ducted	Duct	Duct	—	5.05	6.32	12.63	—	24.00	13.80 ~ 24.40	2180	1080 ~ 2240	10.7	5.3 ~ 11.0	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.57	5.71	13.72	—	24.00	14.60 ~ 26.50	1830	910 ~ 2200	9.0	4.5 ~ 10.8	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	4.57	5.71	13.72	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	9.8	5.1 ~ 10.8	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	4.57	5.71	13.72	—	24.00	14.10 ~ 26.10	1960	950 ~ 2280	9.6	4.7 ~ 11.2	98
07+09+18	Non-Ducted	Duct	Duct	—	4.57	5.71	13.72	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	10.7	5.3 ~ 11.2	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	5.34	9.33	9.33	—	24.00	14.00 ~ 25.50	1910	910 ~ 2180	9.4	4.5 ~ 10.7	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	5.34	9.33	9.33	—	24.00	13.60 ~ 25.00	2100	950 ~ 2260	10.3	4.7 ~ 11.1	98
07+12+12	Non-Ducted	Duct	Duct	—	5.34	9.33	9.33	—	24.00	13.00 ~ 24.50	2280	990 ~ 2400	11.2	4.9 ~ 11.8	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	4.57	8.00	11.43	—	24.00	14.50 ~ 26.50	1820	910 ~ 2200	8.9	4.5 ~ 10.8	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	4.57	8.00	11.43	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	9.8	5.1 ~ 10.8	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	4.57	8.00	11.43	—	24.00	14.10 ~ 26.10	1960	950 ~ 2340	9.6	4.7 ~ 11.5	98
07+12+15	Non-Ducted	Duct	Duct	—	4.57	8.00	11.43	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	10.7	5.3 ~ 11.2	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.17	7.30	12.53	—	24.00	14.60 ~ 27.30	1830	910 ~ 2370	9.0	4.5 ~ 11.6	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	4.17	7.30	12.53	—	24.00	14.20 ~ 26.80	2000	1040 ~ 2490	9.8	5.1 ~ 12.2	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	4.17	7.30	12.53	—	24.00	14.10 ~ 26.80	1960	950 ~ 2450	9.6	4.7 ~ 12.0	98
07+12+18	Non-Ducted	Duct	Duct	—	4.17	7.30	12.53	—	24.00	13.80 ~ 26.00	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	4.00	10.00	10.00	—	24.00	14.90 ~ 27.60	1730	900 ~ 2330	8.5	4.4 ~ 11.4	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	4.00	10.00	10.00	—	24.00	14.70 ~ 27.20	1910	1030 ~ 2450	9.4	5.1 ~ 12.0	98
07+15+15	Non-Ducted	Duct	Duct	—	4.00	10.00	10.00	—	24.00	14.40 ~ 26.80	2080	1170 ~ 2570	10.2	5.7 ~ 12.6	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	8.00	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	9.4	3.4 ~ 9.7	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	8.00	8.00	8.00	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	10.3	3.7 ~ 10.3	98
09+09+09	Non-Ducted	Duct	Duct	—	7.90	7.90	7.90	—	23.70	10.00 ~ 23.70	2230	800 ~ 2230	10.9	3.9 ~ 10.9	98
09+09+09	Duct	Duct	Duct	—	7.83	7.83	7.83	—	23.50	9.60 ~ 23.50	2410	840 ~ 2410	11.8	4.1 ~ 11.8	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.06	7.06	9.88	—	24.00	10.70 ~ 25.00	1910	700 ~ 2070	9.4	3.4 ~ 10.2	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	10.3	3.7 ~ 10.8	98
09+09+12	Non-Ducted	Duct	Non-Ducted	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	10.3	3.7 ~ 10.8	98
09+09+12	Non-Ducted	Duct	Duct	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	11.2	3.9 ~ 11.5	98
09+09+12	Duct	Duct	Non-Ducted	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	11.2	3.9 ~ 11.5	98
09+09+12	Duct	Duct	Duct	—	7.06	7.06	9.88	—	24.00	9.60 ~ 24.00	2530	840 ~ 2530	12.4	4.1 ~ 12.4	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	6.00	12.00	—	24.00	14.50 ~ 26.20	1820	910 ~ 2140	8.9	4.5 ~ 10.5	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	6.00	6.00	12.00	—	24.00	14.20 ~ 25.70	2000	1040 ~ 2260	9.8	5.1 ~ 11.1	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	6.00	12.00	—	24.00	14.10 ~ 25.80	1960	950 ~ 2280	9.6	4.7 ~ 11.2	98
09+09+15	Non-Ducted	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.80 ~ 25.40	2180	1080 ~ 2400	10.7	5.3 ~ 11.8	98
09+09+15	Duct	Duct	Non-Ducted	—	6.00	6.00	12.00	—	24.00	13.60 ~ 25.40	2140	1000 ~ 2360	10.5	4.9 ~ 11.6	98
09+09+15	Duct	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.30 ~ 24.80	2320	1120 ~ 2480	11.4	5.5 ~ 12.2	98
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.45	5.45	13.10	—	24.00	14.60 ~ 26.90	1830	910 ~ 2310	9.0	4.5 ~ 11.3	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	5.45	5.45	13.10	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	9.8	5.1 ~ 11.9	98
09+09+18	Non-Ducted	Duct	Non-Ducted	—	5.45	5.45	13.10	—	24.00	14.10 ~ 26.50	1960	950 ~ 2400	9.6	4.7 ~ 11.8	98
09+09+18	Non-Ducted	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.80 ~ 25.90	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
09+09+18	Duct	Duct	Non-Ducted	—	5.45	5.45	13.10	—	24.00	13.60 ~ 25.90	2090	1000 ~ 2480	10.3	4.9 ~ 12.2	98
09+09+18	Duct	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.30 ~ 25.30	2320	1120 ~ 2590	11.4	5.5 ~ 12.7	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.32	8.84	8.84	—	24.00	14.00 ~ 25.80	1910	910 ~ 2240	9.4	4.5 ~ 11.0	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+12+12	Non-Ducted	Non-Ducted	Duct	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	10.3	4.0 ~ 11.4	98
09+12+12	Non-Ducted	Duct	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	11.2	4.2 ~ 12.0	98
09+12+12	Duct	Non-Ducted	Non-Ducted	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	10.3	4.0 ~ 11.4	98
09+12+12	Duct	Non-Ducted	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	11.2	4.2 ~ 12.0	98
09+12+12	Duct	Duct	Duct	—	6.32	8.84	8.84	—	24.00	10.60 ~ 24.20	2530	900 ~ 2530	12.4	4.4 ~ 12.4	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.45	7.64	10.91	—	24.00	14.50 ~ 26.90	1820	910 ~ 2310	8.9	4.5 ~ 11.3	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	5.45	7.64	10.91	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	9.8	5.1 ~ 11.9	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	9.6	4.7 ~ 11.7	98
09+12+15	Non-Ducted	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	9.6	4.7 ~ 11.7	98
09+12+15	Duct	Non-Ducted	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
09+12+15	Duct	Duct	Non-Ducted	—	5.45	7.64	10.91	—	24.00	13.60 ~ 25.80	2140	1000 ~ 2480	10.5	4.9 ~ 12.2	98
09+12+15	Duct	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.30 ~ 25.20	2320	1120 ~ 2590	11.4	5.5 ~ 12.7	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.00	7.00	12.00	—	24.00	14.60 ~ 27.60	1830	910 ~ 2430	9.0	4.5 ~ 11.9	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	5.00	7.00	12.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	9.8	5.1 ~ 12.5	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	9.6	4.7 ~ 12.3	98
09+12+18	Non-Ducted	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	10.7	5.3 ~ 12.9	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	9.6	4.7 ~ 12.3	98
09+12+18	Duct	Non-Ducted	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	10.7	5.3 ~ 12.9	98
09+12+18	Duct	Duct	Non-Ducted	—	5.00	7.00	12.00	—	24.00	13.60 ~ 26.40	2090	1000 ~ 2590	10.3	4.9 ~ 12.7	98
09+12+18	Duct	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	11.4	5.5 ~ 13.3	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	4.80	9.60	9.60	—	24.00	14.90 ~ 28.00	1730	900 ~ 2390	8.5	4.4 ~ 11.7	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	4.80	9.60	9.60	—	24.00	14.70 ~ 27.50	1910	1030 ~ 2510	9.4	5.1 ~ 12.3	98
09+15+15	Non-Ducted	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.40 ~ 27.10	2080	1170 ~ 2630	10.2	5.7 ~ 12.9	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	4.80	9.60	9.60	—	24.00	14.50 ~ 27.50	1870	950 ~ 2470	9.2	4.7 ~ 12.1	98
09+15+15	Duct	Non-Ducted	Duct	—	4.80	9.60	9.60	—	24.00	14.30 ~ 27.10	2040	1080 ~ 2590	10.0	5.3 ~ 12.7	98
09+15+15	Duct	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.00 ~ 26.70	2220	1210 ~ 2710	10.9	5.9 ~ 13.3	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	8.00	—	24.00	14.00 ~ 26.50	1910	910 ~ 2350	9.4	4.5 ~ 11.5	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	8.00	8.00	8.00	—	24.00	11.50 ~ 25.90	2100	820 ~ 2430	10.3	4.0 ~ 11.9	98
12+12+12	Non-Ducted	Duct	Duct	—	8.00	8.00	8.00	—	24.00	11.00 ~ 25.50	2280	860 ~ 2620	11.2	4.2 ~ 12.9	98
12+12+12	Duct	Duct	Duct	—	8.00	8.00	8.00	—	24.00	10.60 ~ 24.70	2530	900 ~ 2700	12.4	4.4 ~ 13.2	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.00	7.00	10.00	—	24.00	14.50 ~ 27.60	1820	910 ~ 2430	8.9	4.5 ~ 11.9	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	7.00	7.00	10.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	9.8	5.1 ~ 12.5	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	7.00	7.00	10.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	9.6	4.7 ~ 12.3	98
12+12+15	Non-Ducted	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.80 ~ 26.30	2180	1080 ~ 2630	10.7	5.3 ~ 12.9	98
12+12+15	Duct	Duct	Non-Ducted	—	7.00	7.00	10.00	—	24.00	13.60 ~ 26.30	2140	1000 ~ 2590	10.5	4.9 ~ 12.7	98
12+12+15	Duct	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	11.4	5.5 ~ 13.3	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series  
Duct type indoor unit: CDXS-L, FDXS-L series
- 3D078955  
3D078956  
3D078957  
3D078958

Heating [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07	Non-Ducted	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	5.2	3.7 ~ 5.6	98
09	Non-Ducted	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	6.4	3.7 ~ 6.9	98
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.7	4.1 ~ 7.3	98
12	Non-Ducted	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	8.5	3.7 ~ 9.1	98
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	8.7	4.1 ~ 9.3	98
15	Non-Ducted	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	9.7	3.4 ~ 10.7	98
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	10.5	4.2 ~ 11.1	98
18	Non-Ducted	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	11.9	3.3 ~ 13.6	98
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	11.1	4.2 ~ 11.4	98
07+07	Non-Ducted	Non-Ducted	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.00	1580	630 ~ 1720	7.8	3.1 ~ 8.4	98
07+09	Non-Ducted	Non-Ducted	—	—	8.89	11.11	—	—	20.00	4.90 ~ 21.70	1820	630 ~ 2060	8.9	3.1 ~ 10.1	98
07+09	Non-Ducted	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.20	1910	690 ~ 2160	9.4	3.4 ~ 10.6	98
07+12	Non-Ducted	Non-Ducted	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.70	2310	630 ~ 2630	11.3	3.1 ~ 12.9	98
07+12	Non-Ducted	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	11.9	3.4 ~ 13.3	98
07+15	Non-Ducted	Non-Ducted	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	12.8	3.2 ~ 14.9	98
07+15	Non-Ducted	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 29.10	2900	810 ~ 3300	14.2	4.0 ~ 16.2	98
07+18	Non-Ducted	Non-Ducted	—	—	7.50	22.50	—	—	30.00	7.10 ~ 30.40	2990	700 ~ 3100	14.7	3.4 ~ 15.2	98
07+18	Non-Ducted	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 29.70	3360	880 ~ 3420	16.5	4.3 ~ 16.8	98
09+09	Non-Ducted	Non-Ducted	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	10.6	3.1 ~ 11.9	98
09+09	Non-Ducted	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	11.1	3.4 ~ 12.2	98
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	12.0	3.8 ~ 12.8	98
09+12	Non-Ducted	Non-Ducted	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	13.2	3.1 ~ 15.5	98
09+12	Non-Ducted	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98
09+12	Duct	Non-Ducted	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	14.2	3.8 ~ 15.7	98
09+15	Non-Ducted	Non-Ducted	—	—	10.00	20.00	—	—	30.00	7.20 ~ 30.20	3090	710 ~ 3090	15.2	3.5 ~ 15.2	98
09+15	Non-Ducted	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 29.50	3420	880 ~ 3360	16.8	4.3 ~ 16.5	98
09+15	Duct	Non-Ducted	—	—	9.77	19.53	—	—	29.30	7.20 ~ 29.50	3160	780 ~ 3220	15.5	3.8 ~ 15.8	98
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 29.00	3500	960 ~ 3500	17.2	4.7 ~ 17.2	98
09+18	Non-Ducted	Non-Ducted	—	—	8.82	21.18	—	—	30.00	7.10 ~ 30.50	3100	700 ~ 3100	15.2	3.4 ~ 15.2	98
09+18	Non-Ducted	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 30.00	3480	880 ~ 3480	17.1	4.3 ~ 17.1	98
09+18	Duct	Non-Ducted	—	—	8.76	21.04	—	—	29.80	7.20 ~ 30.20	3170	770 ~ 3280	15.6	3.8 ~ 16.1	98
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 29.70	3560	960 ~ 3690	17.5	4.7 ~ 18.1	98
12+12	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.00	3510	700 ~ 3510	17.2	3.4 ~ 17.2	98
12+12	Duct	Non-Ducted	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	16.4	3.8 ~ 16.4	98
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	15.7	4.2 ~ 15.7	98
12+15	Non-Ducted	Non-Ducted	—	—	12.35	17.65	—	—	30.00	7.20 ~ 30.50	3090	710 ~ 3210	15.2	3.5 ~ 15.7	98
12+15	Non-Ducted	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 30.30	3420	880 ~ 3540	16.8	4.3 ~ 17.4	98
12+15	Duct	Non-Ducted	—	—	12.27	17.53	—	—	29.80	7.20 ~ 30.30	3280	780 ~ 3400	16.1	3.8 ~ 16.7	98
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.00	3630	960 ~ 3750	17.8	4.7 ~ 18.4	98
12+18	Non-Ducted	Non-Ducted	—	—	11.05	18.95	—	—	30.00	10.00 ~ 30.90	2990	860 ~ 3210	14.7	4.2 ~ 15.7	98
12+18	Non-Ducted	Duct	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3360	1060 ~ 3540	16.5	5.2 ~ 17.4	98
12+18	Duct	Non-Ducted	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3230	940 ~ 3280	15.8	4.6 ~ 16.1	98
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 29.60	3630	1150 ~ 3690	17.8	5.6 ~ 18.1	98
15+15	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	9.90 ~ 31.10	2760	810 ~ 2970	13.5	4.0 ~ 14.6	98
15+15	Duct	Non-Ducted	—	—	15.00	15.00	—	—	30.00	10.00 ~ 30.60	3040	980 ~ 3200	14.9	4.8 ~ 15.7	98
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 30.20	3340	1160 ~ 3510	16.4	5.7 ~ 17.2	98
15+18	Non-Ducted	Non-Ducted	—	—	13.64	16.36	—	—	30.00	12.10 ~ 31.50	2730	930 ~ 2990	13.4	4.6 ~ 14.7	98
15+18	Non-Ducted	Duct	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	3040	1120 ~ 3260	14.9	5.5 ~ 16.0	98
15+18	Duct	Non-Ducted	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	2990	1110 ~ 3210	14.7	5.4 ~ 15.7	98
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 30.50	3340	1310 ~ 3570	16.4	6.4 ~ 17.5	98
18+18	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	12.10 ~ 31.80	2690	920 ~ 3010	13.2	4.5 ~ 14.8	98
18+18	Duct	Non-Ducted	—	—	15.00	15.00	—	—	30.00	12.20 ~ 31.10	2990	1110 ~ 3270	14.7	5.4 ~ 16.0	98
18+18	Duct	Duct	—	—	15.00	15.00	—	—	30.00	12.30 ~ 30.70	3340	1310 ~ 3630	16.4	6.4 ~ 17.8	98
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	10.6	2.7 ~ 12.1	98
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.86	8.86	11.08	—	28.80	5.80 ~ 29.20	2510	600 ~ 2560	12.3	2.9 ~ 12.6	98
07+07+09	Non-Ducted	Non-Ducted	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 28.50	2590	660 ~ 2590	12.7	3.2 ~ 12.7	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	14.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	13.3	3.2 ~ 13.3	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 30.00	2850	720 ~ 2850	14.0	3.5 ~ 14.0	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.70	2520	760 ~ 2610	12.4	3.7 ~ 12.8	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.20	2740	920 ~ 2790	13.4	4.5 ~ 13.7	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	6.00	18.00	—	30.00	9.70 ~ 31.10	2500	750 ~ 2690	12.3	3.7 ~ 13.2	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	6.00	6.00	18.00	—	30.00	9.80 ~ 30.80	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.58	10.71	10.71	—	30.00	5.80 ~ 30.00	2710	600 ~ 2710	13.3	2.9 ~ 13.3	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 30.00	2850	660 ~ 2850	14.0	3.2 ~ 14.0	98
07+09+09	Non-Ducted	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 29.50	2950	720 ~ 2950	14.5	3.5 ~ 14.5	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.40	2710	650 ~ 2760	13.3	3.2 ~ 13.5	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
07+09+12	Non-Ducted	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 29.80	3010	790 ~ 3010	14.8	3.9 ~ 14.8	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.90	2520	760 ~ 2660	12.4	3.7 ~ 13.0	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2740	920 ~ 2840	13.4	4.5 ~ 13.9	98
07+09+15	Non-Ducted	Duct	Non-Ducted	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2630	820 ~ 2730	12.9	4.0 ~ 13.4	98
07+09+15	Non-Ducted	Duct	Duct	—	6.32	7.89	15.79	—	30.00	9.90 ~ 30.00	2870	980 ~ 2920	14.1	4.8 ~ 14.3	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.71	7.14	17.15	—	30.00	9.70 ~ 31.30	2500	750 ~ 2690	12.3	3.7 ~ 13.2	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2600	820 ~ 2750	12.8	4.0 ~ 13.5	98
07+09+18	Non-Ducted	Duct	Duct	—	5.71	7.14	17.15	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	14.1	4.8 ~ 14.6	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.70	2710	800 ~ 2810	13.3	3.9 ~ 13.8	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.30	2850	870 ~ 2900	14.0	4.3 ~ 14.2	98
07+12+12	Non-Ducted	Duct	Duct	—	6.66	11.67	11.67	—	30.00	10.00 ~ 30.00	3060	950 ~ 3060	15.0	4.7 ~ 15.0	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.71	10.00	14.29	—	30.00	9.80 ~ 31.30	2520	760 ~ 2710	12.4	3.7 ~ 13.3	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2630	820 ~ 2780	12.9	4.0 ~ 13.6	98
07+12+15	Non-Ducted	Duct	Duct	—	5.71	10.00	14.29	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	14.1	4.8 ~ 14.6	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.60	2500	870 ~ 2740	12.3	4.3 ~ 13.4	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 31.30	2740	1040 ~ 2990	13.4	5.1 ~ 14.7	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.30	2600	930 ~ 2850	12.8	4.6 ~ 14.0	98
07+12+18	Non-Ducted	Duct	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 30.90	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.00	12.50	12.50	—	30.00	11.90 ~ 31.80	2440	850 ~ 2680	12.0	4.2 ~ 13.1	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.40	2610	990 ~ 2810	12.8	4.9 ~ 13.8	98
07+15+15	Non-Ducted	Duct	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.00	2820	1150 ~ 3020	13.8	5.6 ~ 14.8	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	13.3	3.2 ~ 13.3	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.00	2850	720 ~ 2850	14.0	3.5 ~ 14.0	98
09+09+09	Non-Ducted	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 29.70	2950	790 ~ 3010	14.5	3.9 ~ 14.8	98
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 29.20	3070	860 ~ 3130	15.1	4.2 ~ 15.4	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.50	2710	650 ~ 2810	13.3	3.2 ~ 13.8	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
09+09+12	Non-Ducted	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	15.0	3.9 ~ 15.0	98
09+09+12	Duct	Duct	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	15.0	3.9 ~ 15.0	98
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 29.70	3180	860 ~ 3240	15.6	4.2 ~ 15.9	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.50	7.50	15.00	—	30.00	9.80 ~ 31.10	2520	760 ~ 2710	12.4	3.7 ~ 13.3	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
09+09+15	Non-Ducted	Duct	Non-Ducted	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2630	820 ~ 2730	12.9	4.0 ~ 13.4	98
09+09+15	Non-Ducted	Duct	Duct	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2870	980 ~ 2970	14.1	4.8 ~ 14.6	98
09+09+15	Duct	Duct	Non-Ducted	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2800	890 ~ 2850	13.7	4.4 ~ 14.0	98
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 30.00	3070	1060 ~ 3120	15.1	5.2 ~ 15.3	98
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.50	2500	870 ~ 2740	12.3	4.3 ~ 13.4	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	13.4	5.1 ~ 14.7	98
09+09+18	Non-Ducted	Duct	Non-Ducted	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.20	2600	930 ~ 2800	12.8	4.6 ~ 13.7	98
09+09+18	Non-Ducted	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98
09+09+18	Duct	Duct	Non-Ducted	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2770	1000 ~ 2870	13.6	4.9 ~ 14.1	98
09+09+18	Duct	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.20 ~ 30.10	3070	1190 ~ 3120	15.1	5.8 ~ 15.3	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.90	2710	800 ~ 2860	13.3	3.9 ~ 14.0	98
09+12+12	Non-Ducted	Non-Ducted	Duct	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	14.0	4.3 ~ 14.8	98
09+12+12	Non-Ducted	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	15.0	4.7 ~ 15.3	98



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
09+12+12	Duct	Non-Ducted	Non-Ducted	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	14.0	4.3 ~ 14.8	98
09+12+12	Duct	Non-Ducted	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	15.0	4.7 ~ 15.3	98
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 30.00	3300	1030 ~ 3300	16.2	5.1 ~ 16.2	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.00 ~ 31.50	2520	880 ~ 2760	12.4	4.3 ~ 13.5	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	13.4	5.1 ~ 14.7	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	12.9	4.6 ~ 13.9	98
09+12+15	Non-Ducted	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	12.9	4.6 ~ 13.9	98
09+12+15	Duct	Non-Ducted	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98
09+12+15	Duct	Duct	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2800	1020 ~ 2960	13.7	5.0 ~ 14.5	98
09+12+15	Duct	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.20 ~ 30.30	3070	1190 ~ 3170	15.1	5.8 ~ 15.6	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.80	2500	870 ~ 2790	12.3	4.3 ~ 13.7	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	13.4	5.1 ~ 14.9	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	12.8	4.6 ~ 14.0	98
09+12+18	Non-Ducted	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	14.1	5.4 ~ 15.4	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	12.8	4.6 ~ 14.0	98
09+12+18	Duct	Non-Ducted	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	14.1	5.4 ~ 15.4	98
09+12+18	Duct	Duct	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2770	1000 ~ 2920	13.6	4.9 ~ 14.3	98
09+12+18	Duct	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	15.1	5.8 ~ 15.8	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	12.00	12.00	—	30.00	11.90 ~ 32.00	2440	850 ~ 2730	12.0	4.2 ~ 13.4	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2610	990 ~ 2860	12.8	4.9 ~ 14.0	98
09+15+15	Non-Ducted	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2820	1150 ~ 3070	13.8	5.6 ~ 15.1	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	6.00	12.00	12.00	—	30.00	11.90 ~ 31.50	2510	900 ~ 2760	12.3	4.4 ~ 13.5	98
09+15+15	Duct	Non-Ducted	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2720	1060 ~ 2960	13.3	5.2 ~ 14.5	98
09+15+15	Duct	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.10 ~ 31.20	2940	1220 ~ 3200	14.4	6.0 ~ 15.7	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.30	2710	800 ~ 2920	13.3	3.9 ~ 14.3	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.00	2850	870 ~ 3060	14.0	4.3 ~ 15.0	98
12+12+12	Non-Ducted	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.00 ~ 30.40	3060	950 ~ 3170	15.0	4.7 ~ 15.6	98
12+12+12	Duct	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.10 ~ 30.20	3300	1030 ~ 3350	16.2	5.1 ~ 16.4	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.75	8.75	12.50	—	30.00	12.00 ~ 31.80	2520	880 ~ 2810	12.4	4.3 ~ 13.8	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	13.4	5.1 ~ 14.9	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2630	940 ~ 2930	12.9	4.6 ~ 14.4	98
12+12+15	Non-Ducted	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	14.1	5.4 ~ 15.4	98
12+12+15	Duct	Duct	Non-Ducted	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2800	1020 ~ 3010	13.7	5.0 ~ 14.8	98
12+12+15	Duct	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	15.1	5.8 ~ 15.8	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series  
Duct type indoor unit: CDXS-L, FDXS-L series
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Cooling [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.0	2.6 ~ 3.0	98
09	Non-Ducted	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	3.6	2.6 ~ 3.6	98
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	3.9	2.8 ~ 3.9	98
12	Non-Ducted	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.0	2.6 ~ 5.0	98
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.1	2.8 ~ 5.1	98
15	Non-Ducted	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	6.3	2.7 ~ 6.3	98
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	6.7	3.2 ~ 6.7	98
18	Non-Ducted	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	8.7	2.8 ~ 8.7	98
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	8.7	3.3 ~ 8.7	98
07+07	Non-Ducted	Non-Ducted	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	5.8	2.8 ~ 5.8	98
07+09	Non-Ducted	Non-Ducted	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	6.6	2.8 ~ 6.6	98
07+09	Non-Ducted	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	6.3	2.9 ~ 6.3	98
07+12	Non-Ducted	Non-Ducted	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	8.4	2.8 ~ 8.4	98
07+12	Non-Ducted	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	8.3	2.9 ~ 8.3	98
07+15	Non-Ducted	Non-Ducted	—	—	6.80	17.00	—	—	23.80	9.30 ~ 23.80	2190	680 ~ 2190	9.7	3.0 ~ 9.7	98
07+15	Non-Ducted	Duct	—	—	6.46	16.14	—	—	22.60	9.10 ~ 22.60	2200	810 ~ 2200	9.8	3.6 ~ 9.8	98
07+18	Non-Ducted	Non-Ducted	—	—	6.00	18.00	—	—	24.00	9.90 ~ 24.70	2240	710 ~ 2360	9.9	3.1 ~ 10.5	98
07+18	Non-Ducted	Duct	—	—	5.85	17.55	—	—	23.40	9.60 ~ 23.40	2360	840 ~ 2360	10.5	3.7 ~ 10.5	98
09+09	Non-Ducted	Non-Ducted	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	7.4	2.8 ~ 7.4	98
09+09	Non-Ducted	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	7.3	2.9 ~ 7.3	98
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	6.8	3.1 ~ 6.8	98
09+12	Non-Ducted	Non-Ducted	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	9.6	2.9 ~ 9.6	98
09+12	Non-Ducted	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98
09+12	Duct	Non-Ducted	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	9.1	3.2 ~ 9.1	98
09+15	Non-Ducted	Non-Ducted	—	—	8.00	16.00	—	—	24.00	9.90 ~ 24.40	2240	710 ~ 2300	9.9	3.1 ~ 10.2	98
09+15	Non-Ducted	Duct	—	—	7.73	15.47	—	—	23.20	9.60 ~ 23.20	2300	840 ~ 2300	10.2	3.7 ~ 10.2	98
09+15	Duct	Non-Ducted	—	—	8.00	16.00	—	—	24.00	9.40 ~ 24.00	2480	750 ~ 2480	11.0	3.3 ~ 11.0	98
09+15	Duct	Duct	—	—	7.63	15.27	—	—	22.90	9.20 ~ 22.90	2490	880 ~ 2490	11.0	3.9 ~ 11.0	98
09+18	Non-Ducted	Non-Ducted	—	—	7.06	16.94	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	9.9	3.1 ~ 11.0	98
09+18	Non-Ducted	Duct	—	—	7.06	16.94	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	11.0	3.7 ~ 11.0	98
09+18	Duct	Non-Ducted	—	—	7.06	16.94	—	—	24.00	9.50 ~ 24.70	2490	750 ~ 2660	11.0	3.3 ~ 11.8	98
09+18	Duct	Duct	—	—	6.91	16.59	—	—	23.50	9.20 ~ 23.50	2650	880 ~ 2650	11.8	3.9 ~ 11.8	98
12+12	Non-Ducted	Non-Ducted	—	—	12.00	12.00	—	—	24.00	8.90 ~ 24.00	2440	670 ~ 2440	10.8	3.0 ~ 10.8	98
12+12	Duct	Non-Ducted	—	—	11.85	11.85	—	—	23.70	8.50 ~ 23.70	2680	710 ~ 2680	11.9	3.1 ~ 11.9	98
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	12.7	3.3 ~ 12.7	98
12+15	Non-Ducted	Non-Ducted	—	—	9.88	14.12	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	9.9	3.1 ~ 11.0	98
12+15	Non-Ducted	Duct	—	—	9.88	14.12	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	11.0	3.7 ~ 11.0	98
12+15	Duct	Non-Ducted	—	—	9.88	14.12	—	—	24.00	9.40 ~ 24.40	2480	750 ~ 2600	11.0	3.3 ~ 11.5	98
12+15	Duct	Duct	—	—	9.59	13.71	—	—	23.30	9.20 ~ 23.30	2600	880 ~ 2600	11.5	3.9 ~ 11.5	98
12+18	Non-Ducted	Non-Ducted	—	—	8.84	15.16	—	—	24.00	12.90 ~ 25.80	2240	900 ~ 2650	9.9	4.0 ~ 11.8	98
12+18	Non-Ducted	Duct	—	—	8.84	15.16	—	—	24.00	12.50 ~ 24.50	2470	1030 ~ 2580	11.0	4.6 ~ 11.4	98
12+18	Duct	Non-Ducted	—	—	8.84	15.16	—	—	24.00	12.40 ~ 25.00	2490	940 ~ 2720	11.0	4.2 ~ 12.1	98
12+18	Duct	Duct	—	—	8.77	15.03	—	—	23.80	11.90 ~ 23.80	2710	1060 ~ 2710	12.0	4.7 ~ 12.0	98
15+15	Non-Ducted	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.40 ~ 26.20	2100	910 ~ 2550	9.3	4.0 ~ 11.3	98
15+15	Duct	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.10 ~ 25.20	2270	1030 ~ 2550	10.1	4.6 ~ 11.3	98
15+15	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 24.60	2550	1160 ~ 2670	11.3	5.1 ~ 11.8	98
15+18	Non-Ducted	Non-Ducted	—	—	10.91	13.09	—	—	24.00	13.50 ~ 26.90	2050	910 ~ 2680	9.1	4.0 ~ 11.9	98
15+18	Non-Ducted	Duct	—	—	10.91	13.09	—	—	24.00	13.10 ~ 25.60	2270	1030 ~ 2670	10.1	4.6 ~ 11.8	98
15+18	Duct	Non-Ducted	—	—	10.91	13.09	—	—	24.00	13.20 ~ 25.60	2280	1030 ~ 2610	10.1	4.6 ~ 11.6	98
15+18	Duct	Duct	—	—	10.91	13.09	—	—	24.00	12.80 ~ 25.00	2550	1160 ~ 2720	11.3	5.1 ~ 12.1	98
18+18	Non-Ducted	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.50 ~ 27.60	2050	910 ~ 2860	9.1	4.0 ~ 12.7	98
18+18	Duct	Non-Ducted	—	—	12.00	12.00	—	—	24.00	13.20 ~ 26.40	2280	1030 ~ 2850	10.1	4.6 ~ 12.6	98
18+18	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 25.80	2550	1160 ~ 2960	11.3	5.1 ~ 13.1	98
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	7.77	7.77	7.77	—	23.30	9.50 ~ 23.30	1810	640 ~ 1810	8.0	2.8 ~ 8.0	98
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	7.26	7.26	9.08	—	23.60	10.10 ~ 23.60	1860	670 ~ 1860	8.3	3.0 ~ 8.3	98
07+07+09	Non-Ducted	Non-Ducted	Duct	—	7.08	7.08	8.84	—	23.00	9.80 ~ 23.00	1940	720 ~ 1940	8.6	3.2 ~ 8.6	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.40	6.40	11.20	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	8.5	3.1 ~ 8.7	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	6.40	6.40	11.20	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	9.3	3.3 ~ 9.3	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.33	5.33	13.34	—	24.00	14.50 ~ 25.50	1820	910 ~ 2030	8.1	4.0 ~ 9.0	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	5.33	5.33	13.34	—	24.00	14.20 ~ 24.40	2000	1040 ~ 2050	8.9	4.6 ~ 9.1	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.80	4.80	14.40	—	24.00	14.60 ~ 26.20	1830	910 ~ 2140	8.1	4.0 ~ 9.5	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	4.80	4.80	14.40	—	24.00	14.20 ~ 25.10	2000	1040 ~ 2160	8.9	4.6 ~ 9.6	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	6.86	8.57	8.57	—	24.00	10.10 ~ 24.00	1910	670 ~ 1910	8.5	3.0 ~ 8.5	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	6.78	8.46	8.46	—	23.70	9.80 ~ 23.70	2050	720 ~ 2050	9.1	3.2 ~ 9.1	98
07+09+09	Non-Ducted	Duct	Duct	—	6.68	8.36	8.36	—	23.40	9.50 ~ 23.40	2180	770 ~ 2180	9.7	3.4 ~ 9.7	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	7.50	10.50	—	24.00	10.70 ~ 24.70	1910	700 ~ 2020	8.5	3.1 ~ 9.0	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	9.3	3.3 ~ 9.5	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	9.3	3.3 ~ 9.5	98
07+09+12	Non-Ducted	Duct	Duct	—	6.00	7.50	10.50	—	24.00	10.00 ~ 24.00	2280	800 ~ 2280	10.1	3.5 ~ 10.1	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.05	6.32	12.63	—	24.00	14.50 ~ 25.80	1820	910 ~ 2090	8.1	4.0 ~ 9.3	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	5.05	6.32	12.63	—	24.00	14.20 ~ 24.80	2000	1040 ~ 2100	8.9	4.6 ~ 9.3	98
07+09+15	Non-Ducted	Duct	Non-Ducted	—	5.05	6.32	12.63	—	24.00	14.10 ~ 25.40	1960	950 ~ 2170	8.7	4.2 ~ 9.6	98
07+09+15	Non-Ducted	Duct	Duct	—	5.05	6.32	12.63	—	24.00	13.80 ~ 24.40	2180	1080 ~ 2240	9.7	4.8 ~ 9.9	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.57	5.71	13.72	—	24.00	14.60 ~ 26.50	1830	910 ~ 2200	8.1	4.0 ~ 9.8	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	4.57	5.71	13.72	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	8.9	4.6 ~ 9.8	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	4.57	5.71	13.72	—	24.00	14.10 ~ 26.10	1960	950 ~ 2280	8.7	4.2 ~ 10.1	98
07+09+18	Non-Ducted	Duct	Duct	—	4.57	5.71	13.72	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	9.7	4.8 ~ 10.2	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	5.34	9.33	9.33	—	24.00	14.00 ~ 25.50	1910	910 ~ 2180	8.5	4.0 ~ 9.7	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	5.34	9.33	9.33	—	24.00	13.60 ~ 25.00	2100	950 ~ 2260	9.3	4.2 ~ 10.0	98
07+12+12	Non-Ducted	Duct	Duct	—	5.34	9.33	9.33	—	24.00	13.00 ~ 24.50	2280	990 ~ 2400	10.1	4.4 ~ 10.6	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	4.57	8.00	11.43	—	24.00	14.50 ~ 26.50	1820	910 ~ 2200	8.1	4.0 ~ 9.8	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	4.57	8.00	11.43	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	8.9	4.6 ~ 9.8	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	4.57	8.00	11.43	—	24.00	14.10 ~ 26.10	1960	950 ~ 2340	8.7	4.2 ~ 10.4	98
07+12+15	Non-Ducted	Duct	Duct	—	4.57	8.00	11.43	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	9.7	4.8 ~ 10.2	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.17	7.30	12.53	—	24.00	14.60 ~ 27.30	1830	910 ~ 2370	8.1	4.0 ~ 10.5	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	4.17	7.30	12.53	—	24.00	14.20 ~ 26.80	2000	1040 ~ 2490	8.9	4.6 ~ 11.0	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	4.17	7.30	12.53	—	24.00	14.10 ~ 26.80	1960	950 ~ 2450	8.7	4.2 ~ 10.9	98
07+12+18	Non-Ducted	Duct	Duct	—	4.17	7.30	12.53	—	24.00	13.80 ~ 26.00	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	4.00	10.00	10.00	—	24.00	14.90 ~ 27.60	1730	900 ~ 2330	7.7	4.0 ~ 10.3	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	4.00	10.00	10.00	—	24.00	14.70 ~ 27.20	1910	1030 ~ 2450	8.5	4.6 ~ 10.9	98
07+15+15	Non-Ducted	Duct	Duct	—	4.00	10.00	10.00	—	24.00	14.40 ~ 26.80	2080	1170 ~ 2570	9.2	5.2 ~ 11.4	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	8.00	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	8.5	3.1 ~ 8.7	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	8.00	8.00	8.00	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	9.3	3.3 ~ 9.3	98
09+09+09	Non-Ducted	Duct	Duct	—	7.90	7.90	7.90	—	23.70	10.00 ~ 23.70	2230	800 ~ 2230	9.9	3.5 ~ 9.9	98
09+09+09	Duct	Duct	Duct	—	7.83	7.83	7.83	—	23.50	9.60 ~ 23.50	2410	840 ~ 2410	10.7	3.7 ~ 10.7	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.06	7.06	9.88	—	24.00	10.70 ~ 25.00	1910	700 ~ 2070	8.5	3.1 ~ 9.2	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	9.3	3.3 ~ 9.8	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	9.3	3.3 ~ 9.8	98
09+09+12	Non-Ducted	Duct	Duct	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	10.1	3.5 ~ 10.4	98
09+09+12	Duct	Duct	Non-Ducted	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	10.1	3.5 ~ 10.4	98
09+09+12	Duct	Duct	Duct	—	7.06	7.06	9.88	—	24.00	9.60 ~ 24.00	2530	840 ~ 2530	11.2	3.7 ~ 11.2	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	6.00	12.00	—	24.00	14.50 ~ 26.20	1820	910 ~ 2140	8.1	4.0 ~ 9.5	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	6.00	6.00	12.00	—	24.00	14.20 ~ 25.70	2000	1040 ~ 2260	8.9	4.6 ~ 10.0	98
09+09+15	Non-Ducted	Duct	Non-Ducted	—	6.00	6.00	12.00	—	24.00	14.10 ~ 25.80	1960	950 ~ 2280	8.7	4.2 ~ 10.1	98
09+09+15	Non-Ducted	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.80 ~ 25.40	2180	1080 ~ 2400	9.7	4.8 ~ 10.6	98
09+09+15	Duct	Duct	Non-Ducted	—	6.00	6.00	12.00	—	24.00	13.60 ~ 25.40	2140	1000 ~ 2360	9.5	4.4 ~ 10.5	98
09+09+15	Duct	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.30 ~ 24.80	2320	1120 ~ 2480	10.3	5.0 ~ 11.0	98
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.45	5.45	13.10	—	24.00	14.60 ~ 26.90	1830	910 ~ 2310	8.1	4.0 ~ 10.2	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	5.45	5.45	13.10	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	8.9	4.6 ~ 10.8	98
09+09+18	Non-Ducted	Duct	Non-Ducted	—	5.45	5.45	13.10	—	24.00	14.10 ~ 26.50	1960	950 ~ 2400	8.7	4.2 ~ 10.6	98
09+09+18	Non-Ducted	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.80 ~ 25.90	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98
09+09+18	Duct	Duct	Non-Ducted	—	5.45	5.45	13.10	—	24.00	13.60 ~ 25.90	2090	1000 ~ 2480	9.3	4.4 ~ 11.0	98
09+09+18	Duct	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.30 ~ 25.30	2320	1120 ~ 2590	10.3	5.0 ~ 11.5	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.32	8.84	8.84	—	24.00	14.00 ~ 25.80	1910	910 ~ 2240	8.5	4.0 ~ 9.9	98
09+12+12	Non-Ducted	Non-Ducted	Duct	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	9.3	3.6 ~ 10.3	98
09+12+12	Non-Ducted	Duct	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	10.1	3.8 ~ 10.9	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+12+12	Duct	Non-Ducted	Non-Ducted	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	9.3	3.6 ~ 10.3	98
09+12+12	Duct	Non-Ducted	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	10.1	3.8 ~ 10.9	98
09+12+12	Duct	Duct	Duct	—	6.32	8.84	8.84	—	24.00	10.60 ~ 24.20	2530	900 ~ 2530	11.2	4.0 ~ 11.2	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.45	7.64	10.91	—	24.00	14.50 ~ 26.90	1820	910 ~ 2310	8.1	4.0 ~ 10.2	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	5.45	7.64	10.91	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	8.9	4.6 ~ 10.8	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	8.7	4.2 ~ 10.6	98
09+12+15	Non-Ducted	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	8.7	4.2 ~ 10.6	98
09+12+15	Duct	Non-Ducted	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98
09+12+15	Duct	Duct	Non-Ducted	—	5.45	7.64	10.91	—	24.00	13.60 ~ 25.80	2140	1000 ~ 2480	9.5	4.4 ~ 11.0	98
09+12+15	Duct	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.30 ~ 25.20	2320	1120 ~ 2590	10.3	5.0 ~ 11.5	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.00	7.00	12.00	—	24.00	14.60 ~ 27.60	1830	910 ~ 2430	8.1	4.0 ~ 10.8	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	5.00	7.00	12.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	8.9	4.6 ~ 11.3	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	8.7	4.2 ~ 11.1	98
09+12+18	Non-Ducted	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	9.7	4.8 ~ 11.7	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	8.7	4.2 ~ 11.1	98
09+12+18	Duct	Non-Ducted	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	9.7	4.8 ~ 11.7	98
09+12+18	Duct	Duct	Non-Ducted	—	5.00	7.00	12.00	—	24.00	13.60 ~ 26.40	2090	1000 ~ 2590	9.3	4.4 ~ 11.5	98
09+12+18	Duct	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	10.3	5.0 ~ 12.0	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	4.80	9.60	9.60	—	24.00	14.90 ~ 28.00	1730	900 ~ 2390	7.7	4.0 ~ 10.6	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	4.80	9.60	9.60	—	24.00	14.70 ~ 27.50	1910	1030 ~ 2510	8.5	4.6 ~ 11.1	98
09+15+15	Non-Ducted	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.40 ~ 27.10	2080	1170 ~ 2630	9.2	5.2 ~ 11.7	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	4.80	9.60	9.60	—	24.00	14.50 ~ 27.50	1870	950 ~ 2470	8.3	4.2 ~ 11.0	98
09+15+15	Duct	Non-Ducted	Duct	—	4.80	9.60	9.60	—	24.00	14.30 ~ 27.10	2040	1080 ~ 2590	9.1	4.8 ~ 11.5	98
09+15+15	Duct	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.00 ~ 26.70	2220	1210 ~ 2710	9.8	5.4 ~ 12.0	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	8.00	—	24.00	14.00 ~ 26.50	1910	910 ~ 2350	8.5	4.0 ~ 10.4	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	8.00	8.00	8.00	—	24.00	11.50 ~ 25.90	2100	820 ~ 2430	9.3	3.6 ~ 10.8	98
12+12+12	Non-Ducted	Duct	Duct	—	8.00	8.00	8.00	—	24.00	11.00 ~ 25.50	2280	860 ~ 2620	10.1	3.8 ~ 11.6	98
12+12+12	Duct	Duct	Duct	—	8.00	8.00	8.00	—	24.00	10.60 ~ 24.70	2530	900 ~ 2700	11.2	4.0 ~ 12.0	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.00	7.00	10.00	—	24.00	14.50 ~ 27.60	1820	910 ~ 2430	8.1	4.0 ~ 10.8	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	7.00	7.00	10.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	8.9	4.6 ~ 11.3	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	7.00	7.00	10.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	8.7	4.2 ~ 11.1	98
12+12+15	Non-Ducted	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.80 ~ 26.30	2180	1080 ~ 2630	9.7	4.8 ~ 11.7	98
12+12+15	Duct	Duct	Non-Ducted	—	7.00	7.00	10.00	—	24.00	13.60 ~ 26.30	2140	1000 ~ 2590	9.5	4.4 ~ 11.5	98
12+12+15	Duct	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	10.3	5.0 ~ 12.0	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).  
3D078959  
3D078960
  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series  
Duct type indoor unit: CDXS-L, FDXS-L series  
3D078961  
3D078962

Heating [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07	Non-Ducted	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	4.7	3.3 ~ 5.1	98
09	Non-Ducted	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	5.8	3.3 ~ 6.3	98
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.1	3.7 ~ 6.6	98
12	Non-Ducted	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	7.7	3.3 ~ 8.2	98
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	7.9	3.7 ~ 8.4	98
15	Non-Ducted	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	8.7	3.1 ~ 9.7	98
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	9.5	3.8 ~ 10.0	98
18	Non-Ducted	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	10.7	3.0 ~ 12.3	98
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	10.0	3.8 ~ 10.3	98
07+07	Non-Ducted	Non-Ducted	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.00	1580	630 ~ 1720	7.0	2.8 ~ 7.6	98
07+09	Non-Ducted	Non-Ducted	—	—	8.89	11.11	—	—	20.00	4.90 ~ 21.70	1820	630 ~ 2060	8.1	2.8 ~ 9.1	98
07+09	Non-Ducted	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.20	1910	690 ~ 2160	8.5	3.1 ~ 9.6	98
07+12	Non-Ducted	Non-Ducted	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.70	2310	630 ~ 2630	10.2	2.8 ~ 11.7	98
07+12	Non-Ducted	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	10.8	3.1 ~ 12.0	98
07+15	Non-Ducted	Non-Ducted	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	11.6	2.9 ~ 13.5	98
07+15	Non-Ducted	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 29.10	2900	810 ~ 3300	12.9	3.6 ~ 14.6	98
07+18	Non-Ducted	Non-Ducted	—	—	7.50	22.50	—	—	30.00	7.10 ~ 30.40	2990	700 ~ 3100	13.3	3.1 ~ 13.8	98
07+18	Non-Ducted	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 29.70	3360	880 ~ 3420	14.9	3.9 ~ 15.2	98
09+09	Non-Ducted	Non-Ducted	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	9.6	2.8 ~ 10.7	98
09+09	Non-Ducted	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	10.1	3.1 ~ 11.0	98
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	10.8	3.4 ~ 11.6	98
09+12	Non-Ducted	Non-Ducted	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	11.9	2.8 ~ 14.0	98
09+12	Non-Ducted	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98
09+12	Duct	Non-Ducted	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	12.9	3.4 ~ 14.2	98
09+15	Non-Ducted	Non-Ducted	—	—	10.00	20.00	—	—	30.00	7.20 ~ 30.20	3090	710 ~ 3090	13.7	3.1 ~ 13.7	98
09+15	Non-Ducted	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 29.50	3420	880 ~ 3360	15.2	3.9 ~ 14.9	98
09+15	Duct	Non-Ducted	—	—	9.77	19.53	—	—	29.30	7.20 ~ 29.50	3160	780 ~ 3220	14.0	3.5 ~ 14.3	98
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 29.00	3500	960 ~ 3500	15.5	4.3 ~ 15.5	98
09+18	Non-Ducted	Non-Ducted	—	—	8.82	21.18	—	—	30.00	7.10 ~ 30.50	3100	700 ~ 3100	13.8	3.1 ~ 13.8	98
09+18	Non-Ducted	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 30.00	3480	880 ~ 3480	15.4	3.9 ~ 15.4	98
09+18	Duct	Non-Ducted	—	—	8.76	21.04	—	—	29.80	7.20 ~ 30.20	3170	770 ~ 3280	14.1	3.4 ~ 14.6	98
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 29.70	3560	960 ~ 3690	15.8	4.3 ~ 16.4	98
12+12	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.00	3510	700 ~ 3510	15.6	3.1 ~ 15.6	98
12+12	Duct	Non-Ducted	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	14.9	3.4 ~ 14.9	98
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	14.2	3.8 ~ 14.2	98
12+15	Non-Ducted	Non-Ducted	—	—	12.35	17.65	—	—	30.00	7.20 ~ 30.50	3090	710 ~ 3210	13.7	3.1 ~ 14.2	98
12+15	Non-Ducted	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 30.30	3420	880 ~ 3540	15.2	3.9 ~ 15.7	98
12+15	Duct	Non-Ducted	—	—	12.27	17.53	—	—	29.80	7.20 ~ 30.30	3280	780 ~ 3400	14.6	3.5 ~ 15.1	98
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.00	3630	960 ~ 3750	16.1	4.3 ~ 16.6	98
12+18	Non-Ducted	Non-Ducted	—	—	11.05	18.95	—	—	30.00	10.00 ~ 30.90	2990	860 ~ 3210	13.3	3.8 ~ 14.2	98
12+18	Non-Ducted	Duct	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3360	1060 ~ 3540	14.9	4.7 ~ 15.7	98
12+18	Duct	Non-Ducted	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3230	940 ~ 3280	14.3	4.2 ~ 14.6	98
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 29.60	3630	1150 ~ 3690	16.1	5.1 ~ 16.4	98
15+15	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	9.90 ~ 31.10	2760	810 ~ 2970	12.2	3.6 ~ 13.2	98
15+15	Duct	Non-Ducted	—	—	15.00	15.00	—	—	30.00	10.00 ~ 30.60	3040	980 ~ 3200	13.5	4.3 ~ 14.2	98
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 30.20	3340	1160 ~ 3510	14.8	5.1 ~ 15.6	98
15+18	Non-Ducted	Non-Ducted	—	—	13.64	16.36	—	—	30.00	12.10 ~ 31.50	2730	930 ~ 2990	12.1	4.1 ~ 13.3	98
15+18	Non-Ducted	Duct	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	3040	1120 ~ 3260	13.5	5.0 ~ 14.5	98
15+18	Duct	Non-Ducted	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	2990	1110 ~ 3210	13.3	4.9 ~ 14.2	98
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 30.50	3340	1310 ~ 3570	14.8	5.8 ~ 15.8	98
18+18	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	12.10 ~ 31.80	2690	920 ~ 3010	11.9	4.1 ~ 13.4	98
18+18	Duct	Non-Ducted	—	—	15.00	15.00	—	—	30.00	12.20 ~ 31.10	2990	1110 ~ 3270	13.3	4.9 ~ 14.5	98
18+18	Duct	Duct	—	—	15.00	15.00	—	—	30.00	12.30 ~ 30.70	3340	1310 ~ 3630	14.8	5.8 ~ 16.1	98
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	9.6	2.4 ~ 10.9	98
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.86	8.86	11.08	—	28.80	5.80 ~ 29.20	2510	600 ~ 2560	11.1	2.7 ~ 11.4	98
07+07+09	Non-Ducted	Non-Ducted	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 28.50	2590	660 ~ 2590	11.5	2.9 ~ 11.5	98



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	14.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	12.0	2.9 ~ 12.0	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 30.00	2850	720 ~ 2850	12.6	3.2 ~ 12.6	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.70	2520	760 ~ 2610	11.2	3.4 ~ 11.6	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.20	2740	920 ~ 2790	12.2	4.1 ~ 12.4	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	6.00	18.00	—	30.00	9.70 ~ 31.10	2500	750 ~ 2690	11.1	3.3 ~ 11.9	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	6.00	6.00	18.00	—	30.00	9.80 ~ 30.80	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.58	10.71	10.71	—	30.00	5.80 ~ 30.00	2710	600 ~ 2710	12.0	2.7 ~ 12.0	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 30.00	2850	660 ~ 2850	12.6	2.9 ~ 12.6	98
07+09+09	Non-Ducted	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 29.50	2950	720 ~ 2950	13.1	3.2 ~ 13.1	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.40	2710	650 ~ 2760	12.0	2.9 ~ 12.2	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
07+09+12	Non-Ducted	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 29.80	3010	790 ~ 3010	13.4	3.5 ~ 13.4	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.90	2520	760 ~ 2660	11.2	3.4 ~ 11.8	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2740	920 ~ 2840	12.2	4.1 ~ 12.6	98
07+09+15	Non-Ducted	Duct	Non-Ducted	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2630	820 ~ 2730	11.7	3.6 ~ 12.1	98
07+09+15	Non-Ducted	Duct	Duct	—	6.32	7.89	15.79	—	30.00	9.90 ~ 30.00	2870	980 ~ 2920	12.7	4.3 ~ 13.0	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.71	7.14	17.15	—	30.00	9.70 ~ 31.30	2500	750 ~ 2690	11.1	3.3 ~ 11.9	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2600	820 ~ 2750	11.5	3.6 ~ 12.2	98
07+09+18	Non-Ducted	Duct	Duct	—	5.71	7.14	17.15	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	12.7	4.3 ~ 13.2	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.70	2710	800 ~ 2810	12.0	3.5 ~ 12.5	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.30	2850	870 ~ 2900	12.6	3.9 ~ 12.9	98
07+12+12	Non-Ducted	Duct	Duct	—	6.66	11.67	11.67	—	30.00	10.00 ~ 30.00	3060	950 ~ 3060	13.6	4.2 ~ 13.6	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.71	10.00	14.29	—	30.00	9.80 ~ 31.30	2520	760 ~ 2710	11.2	3.4 ~ 12.0	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2630	820 ~ 2780	11.7	3.6 ~ 12.3	98
07+12+15	Non-Ducted	Duct	Duct	—	5.71	10.00	14.29	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	12.7	4.3 ~ 13.2	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.60	2500	870 ~ 2740	11.1	3.9 ~ 12.2	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 31.30	2740	1040 ~ 2990	12.2	4.6 ~ 13.3	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.30	2600	930 ~ 2850	11.5	4.1 ~ 12.6	98
07+12+18	Non-Ducted	Duct	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 30.90	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.00	12.50	12.50	—	30.00	11.90 ~ 31.80	2440	850 ~ 2680	10.8	3.8 ~ 11.9	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.40	2610	990 ~ 2810	11.6	4.4 ~ 12.5	98
07+15+15	Non-Ducted	Duct	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.00	2820	1150 ~ 3020	12.5	5.1 ~ 13.4	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	12.0	2.9 ~ 12.0	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.00	2850	720 ~ 2850	12.6	3.2 ~ 12.6	98
09+09+09	Non-Ducted	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 29.70	2950	790 ~ 3010	13.1	3.5 ~ 13.4	98
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 29.20	3070	860 ~ 3130	13.6	3.8 ~ 13.9	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.50	2710	650 ~ 2810	12.0	2.9 ~ 12.5	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
09+09+12	Non-Ducted	Duct	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
09+09+12	Non-Ducted	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	13.6	3.5 ~ 13.6	98
09+09+12	Duct	Duct	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	13.6	3.5 ~ 13.6	98
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 29.70	3180	860 ~ 3240	14.1	3.8 ~ 14.4	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.50	7.50	15.00	—	30.00	9.80 ~ 31.10	2520	760 ~ 2710	11.2	3.4 ~ 12.0	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
09+09+15	Non-Ducted	Duct	Non-Ducted	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2630	820 ~ 2730	11.7	3.6 ~ 12.1	98
09+09+15	Non-Ducted	Duct	Duct	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2870	980 ~ 2970	12.7	4.3 ~ 13.2	98
09+09+15	Duct	Duct	Non-Ducted	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2800	890 ~ 2850	12.4	3.9 ~ 12.6	98
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 30.00	3070	1060 ~ 3120	13.6	4.7 ~ 13.8	98
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.50	2500	870 ~ 2740	11.1	3.9 ~ 12.2	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	12.2	4.6 ~ 13.3	98
09+09+18	Non-Ducted	Duct	Non-Ducted	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.20	2600	930 ~ 2800	11.5	4.1 ~ 12.4	98
09+09+18	Non-Ducted	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98
09+09+18	Duct	Duct	Non-Ducted	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2770	1000 ~ 2870	12.3	4.4 ~ 12.7	98
09+09+18	Duct	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.20 ~ 30.10	3070	1190 ~ 3120	13.6	5.3 ~ 13.8	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.90	2710	800 ~ 2860	12.0	3.5 ~ 12.7	98
09+12+12	Non-Ducted	Non-Ducted	Duct	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	12.6	3.9 ~ 13.4	98
09+12+12	Non-Ducted	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	13.6	4.2 ~ 13.8	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
09+12+12	Duct	Non-Ducted	Non-Ducted	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	12.6	3.9 ~ 13.4	98
09+12+12	Duct	Non-Ducted	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	13.6	4.2 ~ 13.8	98
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 30.00	3300	1030 ~ 3300	14.6	4.6 ~ 14.6	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.00 ~ 31.50	2520	880 ~ 2760	11.2	3.9 ~ 12.2	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	12.2	4.6 ~ 13.3	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	11.7	4.2 ~ 12.6	98
09+12+15	Non-Ducted	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	11.7	4.2 ~ 12.6	98
09+12+15	Duct	Non-Ducted	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98
09+12+15	Duct	Duct	Non-Ducted	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2800	1020 ~ 2960	12.4	4.5 ~ 13.1	98
09+12+15	Duct	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.20 ~ 30.30	3070	1190 ~ 3170	13.6	5.3 ~ 14.1	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.80	2500	870 ~ 2790	11.1	3.9 ~ 12.4	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	12.2	4.6 ~ 13.5	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	11.5	4.1 ~ 12.6	98
09+12+18	Non-Ducted	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	12.7	4.9 ~ 13.9	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	11.5	4.1 ~ 12.6	98
09+12+18	Duct	Non-Ducted	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	12.7	4.9 ~ 13.9	98
09+12+18	Duct	Duct	Non-Ducted	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2770	1000 ~ 2920	12.3	4.4 ~ 13.0	98
09+12+18	Duct	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	13.6	5.3 ~ 14.3	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.00	12.00	12.00	—	30.00	11.90 ~ 32.00	2440	850 ~ 2730	10.8	3.8 ~ 12.1	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2610	990 ~ 2860	11.6	4.4 ~ 12.7	98
09+15+15	Non-Ducted	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2820	1150 ~ 3070	12.5	5.1 ~ 13.6	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	6.00	12.00	12.00	—	30.00	11.90 ~ 31.50	2510	900 ~ 2760	11.1	4.0 ~ 12.2	98
09+15+15	Duct	Non-Ducted	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2720	1060 ~ 2960	12.1	4.7 ~ 13.1	98
09+15+15	Duct	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.10 ~ 31.20	2940	1220 ~ 3200	13.0	5.4 ~ 14.2	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.30	2710	800 ~ 2920	12.0	3.5 ~ 13.0	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.00	2850	870 ~ 3060	12.6	3.9 ~ 13.6	98
12+12+12	Non-Ducted	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.00 ~ 30.40	3060	950 ~ 3170	13.6	4.2 ~ 14.1	98
12+12+12	Duct	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.10 ~ 30.20	3300	1030 ~ 3350	14.6	4.6 ~ 14.9	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.75	8.75	12.50	—	30.00	12.00 ~ 31.80	2520	880 ~ 2810	11.2	3.9 ~ 12.5	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	12.2	4.6 ~ 13.5	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2630	940 ~ 2930	11.7	4.2 ~ 13.0	98
12+12+15	Non-Ducted	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	12.7	4.9 ~ 13.9	98
12+12+15	Duct	Duct	Non-Ducted	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2800	1020 ~ 3010	12.4	4.5 ~ 13.4	98
12+12+15	Duct	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	13.6	5.3 ~ 14.3	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series  
Duct type indoor unit: CDXS-L, FDXS-L series
- 3D078967  
3D078968  
3D078969  
3D078970

### 3.5 Combination Capacity: 4MXS32GVJU Non-Ducted

Cooling [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.3	2.9 ~ 3.3	98
09	Non-Ducted	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	4.0	2.9 ~ 4.0	98
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	4.3	3.0 ~ 4.3	98
12	Non-Ducted	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.5	2.9 ~ 5.5	98
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.7	3.0 ~ 5.7	98
15	Non-Ducted	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	7.0	2.9 ~ 7.0	98
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	7.4	3.6 ~ 7.4	98
18	Non-Ducted	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	9.6	3.1 ~ 9.6	98
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	9.6	3.7 ~ 9.6	98
07+07	Non-Ducted	Non-Ducted	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	6.4	3.0 ~ 6.4	98
07+09	Non-Ducted	Non-Ducted	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	7.3	3.0 ~ 7.3	98
07+09	Non-Ducted	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	7.0	3.2 ~ 7.0	98
07+12	Non-Ducted	Non-Ducted	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	9.3	3.0 ~ 9.3	98
07+12	Non-Ducted	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	9.2	3.2 ~ 9.2	98
07+15	Non-Ducted	Non-Ducted	—	—	7.46	18.64	—	—	26.10	9.30 ~ 26.10	2760	680 ~ 2760	13.5	3.3 ~ 13.5	98
07+15	Non-Ducted	Duct	—	—	6.69	16.71	—	—	23.40	9.10 ~ 23.40	2360	810 ~ 2360	11.6	4.0 ~ 11.6	98
07+18	Non-Ducted	Non-Ducted	—	—	6.65	19.95	—	—	26.60	9.90 ~ 26.60	2830	710 ~ 2830	13.9	3.5 ~ 13.9	98
07+18	Non-Ducted	Duct	—	—	5.93	17.78	—	—	23.70	9.60 ~ 23.70	2410	840 ~ 2410	11.8	4.1 ~ 11.8	98
09+09	Non-Ducted	Non-Ducted	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	8.1	3.0 ~ 8.1	98
09+09	Non-Ducted	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	8.0	3.2 ~ 8.0	98
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	7.5	3.4 ~ 7.5	98
09+12	Non-Ducted	Non-Ducted	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	10.6	3.2 ~ 10.6	98
09+12	Non-Ducted	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Non-Ducted	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	10.0	3.5 ~ 10.0	98
09+15	Non-Ducted	Non-Ducted	—	—	8.67	17.33	—	—	26.00	9.90 ~ 26.00	2700	710 ~ 2700	13.2	3.5 ~ 13.2	98
09+15	Non-Ducted	Duct	—	—	8.47	16.93	—	—	25.40	9.60 ~ 25.40	2820	840 ~ 2820	13.8	4.1 ~ 13.8	98
09+15	Duct	Non-Ducted	—	—	8.17	16.33	—	—	24.50	9.40 ~ 24.50	2600	750 ~ 2600	12.8	3.7 ~ 12.8	98
09+15	Duct	Duct	—	—	7.97	15.93	—	—	23.90	9.20 ~ 23.90	2770	880 ~ 2770	13.6	4.3 ~ 13.6	98
09+18	Non-Ducted	Non-Ducted	—	—	7.97	19.13	—	—	27.10	9.90 ~ 27.10	3020	710 ~ 3020	14.8	3.5 ~ 14.8	98
09+18	Non-Ducted	Duct	—	—	7.76	18.64	—	—	26.40	9.60 ~ 26.40	3120	840 ~ 3120	15.3	4.1 ~ 15.3	98
09+18	Duct	Non-Ducted	—	—	7.85	18.85	—	—	26.70	9.50 ~ 26.70	3290	750 ~ 3290	16.1	3.7 ~ 16.1	98
09+18	Duct	Duct	—	—	7.65	18.35	—	—	26.00	9.20 ~ 26.00	3460	880 ~ 3460	17.0	4.3 ~ 17.0	98
12+12	Non-Ducted	Non-Ducted	—	—	13.05	13.05	—	—	26.10	8.90 ~ 26.10	3040	670 ~ 3040	14.9	3.3 ~ 14.9	98
12+12	Duct	Non-Ducted	—	—	12.30	12.30	—	—	24.60	8.50 ~ 24.60	2990	710 ~ 2990	14.7	3.5 ~ 14.7	98
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	14.1	3.7 ~ 14.1	98
12+15	Non-Ducted	Non-Ducted	—	—	11.20	16.00	—	—	27.20	9.90 ~ 27.20	3080	710 ~ 3080	15.1	3.5 ~ 15.1	98
12+15	Non-Ducted	Duct	—	—	10.91	15.59	—	—	26.50	9.60 ~ 26.50	3190	840 ~ 3190	15.6	4.1 ~ 15.6	98
12+15	Duct	Non-Ducted	—	—	10.87	15.53	—	—	26.40	9.40 ~ 26.40	3220	750 ~ 3220	15.8	3.7 ~ 15.8	98
12+15	Duct	Duct	—	—	10.58	15.12	—	—	25.70	9.20 ~ 25.70	3320	880 ~ 3320	16.3	4.3 ~ 16.3	98
12+18	Non-Ducted	Non-Ducted	—	—	10.43	17.87	—	—	28.30	12.90 ~ 28.30	3550	900 ~ 3550	17.4	4.4 ~ 17.4	98
12+18	Non-Ducted	Duct	—	—	10.17	17.43	—	—	27.60	12.50 ~ 27.60	3650	1030 ~ 3650	17.9	5.1 ~ 17.9	98
12+18	Duct	Non-Ducted	—	—	10.09	17.31	—	—	27.40	12.40 ~ 27.40	3630	940 ~ 3630	17.8	4.6 ~ 17.8	98
12+18	Duct	Duct	—	—	9.73	16.67	—	—	26.40	11.90 ~ 26.40	3660	1060 ~ 3660	18.0	5.2 ~ 18.0	98
15+15	Non-Ducted	Non-Ducted	—	—	14.20	14.20	—	—	28.40	13.40 ~ 28.40	3180	910 ~ 3180	15.6	4.5 ~ 15.6	98
15+15	Duct	Non-Ducted	—	—	13.85	13.85	—	—	27.70	13.10 ~ 27.70	3490	1030 ~ 3490	17.1	5.1 ~ 17.1	98
15+15	Duct	Duct	—	—	13.50	13.50	—	—	27.00	12.80 ~ 27.00	3400	1160 ~ 3400	16.7	5.7 ~ 16.7	98
15+18	Non-Ducted	Non-Ducted	—	—	13.36	16.04	—	—	29.40	13.50 ~ 29.40	3660	910 ~ 3660	18.0	4.5 ~ 18.0	98
15+18	Non-Ducted	Duct	—	—	12.95	15.55	—	—	28.50	13.10 ~ 28.50	3630	1030 ~ 3630	17.8	5.1 ~ 17.8	98
15+18	Duct	Non-Ducted	—	—	13.00	15.60	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	17.8	5.1 ~ 17.8	98
15+18	Duct	Duct	—	—	12.64	15.16	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	18.0	5.7 ~ 18.0	98
18+18	Non-Ducted	Non-Ducted	—	—	14.70	14.70	—	—	29.40	13.50 ~ 29.40	3600	910 ~ 3600	17.7	4.5 ~ 17.7	98
18+18	Duct	Non-Ducted	—	—	14.30	14.30	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	17.8	5.1 ~ 17.8	98
18+18	Duct	Duct	—	—	13.90	13.90	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	18.0	5.7 ~ 18.0	98
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	8.00	—	24.00	9.50 ~ 24.00	1910	640 ~ 1910	9.4	3.1 ~ 9.4	98



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	7.82	7.82	9.76	—	25.40	10.10 ~ 25.40	2130	670 ~ 2130	10.4	3.3 ~ 10.4	98
07+07+09	Non-Ducted	Non-Ducted	Duct	—	7.60	7.60	9.50	—	24.70	9.80 ~ 24.70	2210	720 ~ 2210	10.8	3.5 ~ 10.8	98
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.28	7.28	12.74	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	12.4	3.4 ~ 12.4	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	7.09	7.09	12.42	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	12.8	3.7 ~ 12.8	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.44	6.44	16.12	—	29.00	14.50 ~ 29.00	2790	910 ~ 2790	13.7	4.5 ~ 13.7	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	6.00	6.00	15.00	—	27.00	14.20 ~ 27.00	2550	1040 ~ 2550	12.5	5.1 ~ 12.5	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.88	5.88	17.64	—	29.40	14.60 ~ 29.40	2920	910 ~ 2920	14.3	4.5 ~ 14.3	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	5.50	5.50	16.50	—	27.50	14.20 ~ 27.50	2660	1040 ~ 2660	13.0	5.1 ~ 13.0	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	7.66	9.57	9.57	—	26.80	10.10 ~ 26.80	2410	670 ~ 2410	11.8	3.3 ~ 11.8	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	7.46	9.32	9.32	—	26.10	9.80 ~ 26.10	2490	720 ~ 2490	12.2	3.5 ~ 12.2	98
07+09+09	Non-Ducted	Duct	Duct	—	7.40	9.25	9.25	—	25.90	9.50 ~ 25.90	2680	770 ~ 2680	13.1	3.8 ~ 13.1	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.98	8.72	12.20	—	27.90	10.70 ~ 27.90	2700	700 ~ 2700	13.2	3.4 ~ 13.2	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	13.7	3.7 ~ 13.7	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	13.7	3.7 ~ 13.7	98
07+09+12	Non-Ducted	Duct	Duct	—	6.75	8.44	11.81	—	27.00	10.00 ~ 27.00	2990	800 ~ 2990	14.7	3.9 ~ 14.7	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.21	7.76	15.53	—	29.50	14.50 ~ 29.50	2980	910 ~ 2980	14.6	4.5 ~ 14.6	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	5.81	7.26	14.53	—	27.60	14.20 ~ 27.60	2660	1040 ~ 2660	13.0	5.1 ~ 13.0	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	6.08	7.61	15.21	—	28.90	14.10 ~ 28.90	3070	950 ~ 3070	15.1	4.7 ~ 15.1	98
07+09+15	Non-Ducted	Duct	Duct	—	5.66	7.08	14.16	—	26.90	13.80 ~ 26.90	2750	1080 ~ 2750	13.5	5.3 ~ 13.5	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.75	7.19	17.26	—	30.20	14.60 ~ 30.20	3250	910 ~ 3250	15.9	4.5 ~ 15.9	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	5.39	6.74	16.17	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	13.9	5.1 ~ 13.9	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	5.62	7.02	16.86	—	29.50	14.10 ~ 29.50	3270	950 ~ 3270	16.0	4.7 ~ 16.0	98
07+09+18	Non-Ducted	Duct	Duct	—	5.26	6.57	15.77	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	14.4	5.3 ~ 14.4	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.44	11.28	11.28	—	29.00	14.00 ~ 29.00	3090	910 ~ 3090	15.2	4.5 ~ 15.2	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	6.32	11.04	11.04	—	28.40	13.60 ~ 28.40	3170	950 ~ 3170	15.6	4.7 ~ 15.6	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	6.22	10.89	10.89	—	28.00	13.00 ~ 28.00	3380	990 ~ 3380	16.6	4.9 ~ 16.6	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.75	10.07	14.38	—	30.20	14.50 ~ 30.20	3250	910 ~ 3250	15.9	4.5 ~ 15.9	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	5.39	9.43	13.48	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	13.9	5.1 ~ 13.9	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	5.62	9.83	14.05	—	29.50	14.10 ~ 29.50	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
07+12+15	Non-Ducted	Duct	Duct	—	5.26	9.20	13.14	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	14.4	5.3 ~ 14.4	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.34	9.34	16.02	—	30.70	14.60 ~ 30.70	3520	910 ~ 3520	17.3	4.5 ~ 17.3	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	5.03	8.80	15.07	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	14.9	5.1 ~ 14.9	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	5.23	9.16	15.71	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	17.4	4.7 ~ 17.4	98
07+12+18	Non-Ducted	Duct	Duct	—	4.90	8.58	14.72	—	28.20	13.80 ~ 28.20	3120	1080 ~ 3120	15.3	5.3 ~ 15.3	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.13	12.83	12.84	—	30.80	14.90 ~ 30.80	3340	900 ~ 3340	16.4	4.4 ~ 16.4	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	4.84	12.08	12.08	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	14.1	5.1 ~ 14.1	98
07+15+15	Non-Ducted	Duct	Duct	—	4.54	11.33	11.33	—	27.20	14.40 ~ 27.20	2630	1170 ~ 2630	12.9	5.7 ~ 12.9	98
07+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.74	11.85	14.21	—	30.80	15.00 ~ 30.80	3270	900 ~ 3270	16.0	4.4 ~ 16.0	98
07+15+18	Non-Ducted	Non-Ducted	Duct	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	14.1	5.1 ~ 14.1	98
07+15+18	Non-Ducted	Duct	Non-Ducted	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	14.1	5.1 ~ 14.1	98
07+15+18	Non-Ducted	Duct	Duct	—	4.20	10.50	12.60	—	27.30	14.40 ~ 27.30	2680	1170 ~ 2680	13.1	5.7 ~ 13.1	98
07+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.46	13.37	13.37	—	31.20	15.00 ~ 31.20	3480	900 ~ 3480	17.1	4.4 ~ 17.1	98
07+18+18	Non-Ducted	Non-Ducted	Duct	—	4.38	13.16	13.16	—	30.70	14.70 ~ 30.70	3530	1030 ~ 3530	17.3	5.1 ~ 17.3	98
07+18+18	Non-Ducted	Duct	Duct	—	4.32	12.94	12.94	—	30.20	14.40 ~ 30.20	3570	1170 ~ 3570	17.5	5.7 ~ 17.5	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	9.10	9.10	9.10	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	12.4	3.4 ~ 12.4	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	8.87	8.87	8.87	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	12.8	3.7 ~ 12.8	98
09+09+09	Non-Ducted	Duct	Duct	—	8.80	8.80	8.80	—	26.40	10.00 ~ 26.40	2800	800 ~ 2800	13.7	3.9 ~ 13.7	98
09+09+09	Duct	Duct	Duct	—	8.57	8.57	8.57	—	25.70	9.60 ~ 25.70	2940	840 ~ 2940	14.4	4.1 ~ 14.4	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.35	8.35	11.70	—	28.40	10.70 ~ 28.40	2830	700 ~ 2830	13.9	3.4 ~ 13.9	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	14.6	3.7 ~ 14.6	98
09+09+12	Non-Ducted	Duct	Non-Ducted	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	14.6	3.7 ~ 14.6	98
09+09+12	Non-Ducted	Duct	Duct	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	15.6	3.9 ~ 15.6	98
09+09+12	Duct	Duct	Non-Ducted	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	15.6	3.9 ~ 15.6	98
09+09+12	Duct	Duct	Duct	—	7.91	7.91	11.08	—	26.90	9.60 ~ 26.90	3390	840 ~ 3390	16.6	4.1 ~ 16.6	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.35	7.35	14.70	—	29.40	14.50 ~ 29.40	2920	910 ~ 2920	14.3	4.5 ~ 14.3	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	7.23	7.23	14.44	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	14.9	5.1 ~ 14.9	98
09+09+15	Non-Ducted	Duct	Non-Ducted	—	7.25	7.25	14.50	—	29.00	14.10 ~ 29.00	3070	950 ~ 3070	15.1	4.7 ~ 15.1	98
09+09+15	Non-Ducted	Duct	Duct	—	7.13	7.13	14.24	—	28.50	13.80 ~ 28.50	3180	1080 ~ 3180	15.6	5.3 ~ 15.6	98
09+09+15	Duct	Duct	Non-Ducted	—	7.13	7.13	14.24	—	28.50	13.60 ~ 28.50	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
09+09+15	Duct	Duct	Duct	—	7.00	7.00	14.00	—	28.00	13.30 ~ 28.00	3320	1120 ~ 3320	16.3	5.5 ~ 16.3	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.95	6.95	16.70	—	30.60	14.60 ~ 30.60	3450	910 ~ 3450	16.9	4.5 ~ 16.9	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	6.84	6.84	16.42	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	17.2	5.1 ~ 17.2	98
09+09+18	Non-Ducted	Duct	Non-Ducted	—	6.84	6.84	16.42	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	17.4	4.7 ~ 17.4	98
09+09+18	Non-Ducted	Duct	Duct	—	6.73	6.73	16.14	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+09+18	Duct	Duct	Non-Ducted	—	6.70	6.70	16.10	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
09+09+18	Duct	Duct	Duct	—	6.52	6.52	15.66	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.76	10.87	10.87	—	29.50	14.00 ~ 29.50	3220	910 ~ 3220	15.8	4.5 ~ 15.8	98
09+12+12	Non-Ducted	Non-Ducted	Duct	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	16.5	4.0 ~ 16.5	98
09+12+12	Non-Ducted	Duct	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	17.6	4.2 ~ 17.6	98
09+12+12	Duct	Non-Ducted	Non-Ducted	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	16.5	4.0 ~ 16.5	98
09+12+12	Duct	Non-Ducted	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	17.6	4.2 ~ 17.6	98
09+12+12	Duct	Duct	Duct	—	7.24	10.13	10.13	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	18.0	4.4 ~ 18.0	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.95	9.74	13.91	—	30.60	14.50 ~ 30.60	3520	910 ~ 3520	17.3	4.5 ~ 17.3	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	6.84	9.58	13.68	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	17.2	5.1 ~ 17.2	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	6.84	9.58	13.68	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
09+12+15	Non-Ducted	Duct	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	6.84	9.58	13.68	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	17.2	5.1 ~ 17.2	98
09+12+15	Duct	Non-Ducted	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+15	Duct	Duct	Non-Ducted	—	6.69	9.35	13.36	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
09+12+15	Duct	Duct	Duct	—	6.52	9.13	13.05	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.42	8.98	15.40	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	17.7	4.5 ~ 17.7	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	6.31	8.84	15.15	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	17.8	5.1 ~ 17.8	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
09+12+18	Non-Ducted	Duct	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
09+12+18	Duct	Non-Ducted	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+18	Duct	Duct	Non-Ducted	—	6.15	8.60	14.75	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
09+12+18	Duct	Duct	Duct	—	5.98	8.37	14.35	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.18	12.36	12.36	—	30.90	14.90 ~ 30.90	3340	900 ~ 3340	16.4	4.4 ~ 16.4	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	6.08	12.16	12.16	—	30.40	14.70 ~ 30.40	3390	1030 ~ 3390	16.6	5.1 ~ 16.6	98
09+15+15	Non-Ducted	Duct	Duct	—	5.98	11.96	11.96	—	29.90	14.40 ~ 29.90	3430	1170 ~ 3430	16.8	5.7 ~ 16.8	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	6.08	12.16	12.16	—	30.40	14.50 ~ 30.40	3430	950 ~ 3430	16.8	4.7 ~ 16.8	98
09+15+15	Duct	Non-Ducted	Duct	—	5.98	11.96	11.96	—	29.90	14.30 ~ 29.90	3470	1080 ~ 3470	17.0	5.3 ~ 17.0	98
09+15+15	Duct	Duct	Duct	—	5.88	11.76	11.76	—	29.40	14.00 ~ 29.40	3520	1210 ~ 3520	17.3	5.9 ~ 17.3	98
09+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.76	11.52	13.82	—	31.10	15.00 ~ 31.10	3480	900 ~ 3480	17.1	4.4 ~ 17.1	98
09+15+18	Non-Ducted	Non-Ducted	Duct	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	17.0	5.1 ~ 17.0	98
09+15+18	Non-Ducted	Duct	Non-Ducted	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	17.0	5.1 ~ 17.0	98
09+15+18	Non-Ducted	Duct	Duct	—	5.57	11.15	13.38	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	17.2	5.7 ~ 17.2	98
09+15+18	Duct	Non-Ducted	Non-Ducted	—	5.67	11.33	13.60	—	30.60	14.60 ~ 30.60	3500	950 ~ 3500	17.2	4.7 ~ 17.2	98
09+15+18	Duct	Non-Ducted	Duct	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	17.4	5.3 ~ 17.4	98
09+15+18	Duct	Duct	Non-Ducted	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	17.4	5.3 ~ 17.4	98
09+15+18	Duct	Duct	Duct	—	5.46	10.93	13.11	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	17.6	5.9 ~ 17.6	98
09+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.40	12.95	12.95	—	31.30	15.00 ~ 31.30	3560	900 ~ 3560	17.5	4.4 ~ 17.5	98
09+18+18	Non-Ducted	Non-Ducted	Duct	—	5.32	12.74	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	17.7	5.1 ~ 17.7	98
09+18+18	Non-Ducted	Duct	Duct	—	5.22	12.54	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	17.9	5.7 ~ 17.9	98
09+18+18	Duct	Non-Ducted	Non-Ducted	—	5.32	12.79	12.79	—	30.90	14.60 ~ 30.90	3640	950 ~ 3640	17.9	4.7 ~ 17.9	98
09+18+18	Duct	Non-Ducted	Duct	—	5.22	12.54	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	17.7	5.3 ~ 17.7	98
09+18+18	Duct	Duct	Duct	—	5.10	12.25	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	17.9	5.9 ~ 17.9	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	10.07	10.07	10.07	—	30.20	14.00 ~ 30.20	3630	910 ~ 3630	17.8	4.5 ~ 17.8	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	9.83	9.83	9.83	—	29.50	11.50 ~ 29.50	3640	820 ~ 3640	17.9	4.0 ~ 17.9	98
12+12+12	Non-Ducted	Duct	Duct	—	9.50	9.50	9.50	—	28.50	11.00 ~ 28.50	3650	860 ~ 3650	17.9	4.2 ~ 17.9	98
12+12+12	Duct	Duct	Duct	—	9.17	9.17	9.17	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	18.0	4.4 ~ 18.0	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.98	8.98	12.84	—	30.80	14.50 ~ 30.80	3660	910 ~ 3660	18.0	4.5 ~ 18.0	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	8.84	8.84	12.62	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	17.8	5.1 ~ 17.8	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	8.78	8.78	12.54	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
12+12+15	Non-Ducted	Duct	Duct	—	8.63	8.63	12.34	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
12+12+15	Duct	Duct	Non-Ducted	—	8.58	8.58	12.24	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
12+12+15	Duct	Duct	Duct	—	8.37	8.37	11.96	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
12+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	8.29	8.29	14.22	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	17.7	4.5 ~ 17.7	98
12+12+18	Non-Ducted	Non-Ducted	Duct	—	8.16	8.16	13.98	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	17.8	5.1 ~ 17.8	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
12+12+18	Non-Ducted	Duct	Non-Ducted	—	8.13	8.13	13.94	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
12+12+18	Non-Ducted	Duct	Duct	—	7.97	7.97	13.66	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
12+12+18	Duct	Duct	Non-Ducted	—	7.94	7.94	13.62	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
12+12+18	Duct	Duct	Duct	—	7.73	7.73	13.24	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
12+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.06	11.52	11.52	—	31.10	14.90 ~ 31.10	3480	900 ~ 3480	17.1	4.4 ~ 17.1	98
12+15+15	Non-Ducted	Non-Ducted	Duct	—	7.94	11.33	11.33	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	17.0	5.1 ~ 17.0	98
12+15+15	Non-Ducted	Duct	Duct	—	7.80	11.15	11.15	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	17.2	5.7 ~ 17.2	98
12+15+15	Duct	Non-Ducted	Non-Ducted	—	7.94	11.33	11.33	—	30.60	14.50 ~ 30.60	3500	950 ~ 3500	17.2	4.7 ~ 17.2	98
12+15+15	Duct	Non-Ducted	Duct	—	7.80	11.15	11.15	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	17.4	5.3 ~ 17.4	98
12+15+15	Duct	Duct	Duct	—	7.64	10.93	10.93	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	17.6	5.9 ~ 17.6	98
12+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	7.53	10.76	12.91	—	31.20	15.00 ~ 31.20	3550	900 ~ 3550	17.4	4.4 ~ 17.4	98
12+15+18	Non-Ducted	Non-Ducted	Duct	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3590	1030 ~ 3590	17.6	5.1 ~ 17.6	98
12+15+18	Non-Ducted	Duct	Non-Ducted	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	17.7	5.1 ~ 17.7	98
12+15+18	Non-Ducted	Duct	Duct	—	7.31	10.45	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	17.9	5.7 ~ 17.9	98
12+15+18	Duct	Non-Ducted	Non-Ducted	—	7.44	10.62	12.74	—	30.80	14.60 ~ 30.80	3640	950 ~ 3640	17.9	4.7 ~ 17.9	98
12+15+18	Duct	Non-Ducted	Duct	—	7.29	10.41	12.50	—	30.20	14.30 ~ 30.20	3610	1080 ~ 3610	17.7	5.3 ~ 17.7	98
12+15+18	Duct	Duct	Non-Ducted	—	7.31	10.45	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	17.7	5.3 ~ 17.7	98
12+15+18	Duct	Duct	Duct	—	7.14	10.21	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	17.9	5.9 ~ 17.9	98
07+07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.25	7.25	7.25	7.25	29.00	11.60 ~ 29.00	2460	680 ~ 2460	12.1	3.3 ~ 12.1	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.94	6.94	6.94	8.68	29.50	11.60 ~ 29.50	2590	680 ~ 2590	12.7	3.3 ~ 12.7	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.82	6.82	6.82	8.54	29.00	11.40 ~ 29.00	2610	730 ~ 2610	12.8	3.6 ~ 12.8	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.44	6.44	6.44	11.28	30.60	15.40 ~ 30.60	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.34	6.34	6.34	11.08	30.10	15.10 ~ 30.10	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.64	5.64	5.64	14.08	31.00	15.80 ~ 31.00	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.38	5.38	5.38	13.45	29.60	15.60 ~ 29.60	2720	1020 ~ 2720	13.3	5.0 ~ 13.3	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.18	5.18	5.18	15.56	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.97	4.97	4.97	14.90	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	13.6	5.0 ~ 13.6	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.67	6.67	8.33	8.33	30.00	15.40 ~ 30.00	2710	890 ~ 2710	13.3	4.4 ~ 13.3	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.58	6.58	8.22	8.22	29.60	15.10 ~ 29.60	2800	950 ~ 2800	13.7	4.7 ~ 13.7	98
07+07+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.51	6.51	8.14	8.14	29.30	14.70 ~ 29.30	2950	1000 ~ 2950	14.5	4.9 ~ 14.5	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.14	6.14	7.68	10.74	30.70	15.40 ~ 30.70	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Duct	5.98	5.98	7.48	10.46	29.90	14.70 ~ 29.90	3140	1000 ~ 3140	15.4	4.9 ~ 15.4	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.39	5.39	6.74	13.48	31.00	15.80 ~ 31.00	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.17	5.17	6.45	12.91	29.70	15.60 ~ 29.70	2720	1020 ~ 2720	13.3	5.0 ~ 13.3	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.34	5.34	6.67	13.35	30.70	15.40 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Duct	5.10	5.10	6.36	12.74	29.30	15.20 ~ 29.30	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.98	4.98	6.22	14.92	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.77	4.77	5.96	14.30	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	13.6	5.0 ~ 13.6	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.91	4.91	6.14	14.74	30.70	15.50 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Duct	4.70	4.70	5.89	14.11	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.64	5.64	9.86	9.86	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.55	5.55	9.70	9.70	30.50	15.10 ~ 30.50	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98
07+07+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.47	5.47	9.58	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.98	4.98	8.71	12.43	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.77	4.77	8.34	11.92	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	13.6	5.0 ~ 13.6	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.91	4.91	8.60	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Duct	4.70	4.70	8.24	11.76	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.65	4.65	8.14	13.96	31.40	15.80 ~ 31.40	3120	880 ~ 3120	15.3	4.3 ~ 15.3	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.47	4.47	7.84	13.42	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	14.0	5.0 ~ 14.0	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.59	4.59	8.04	13.78	31.00	15.50 ~ 31.00	3280	940 ~ 3280	16.1	4.6 ~ 16.1	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Duct	4.40	4.40	7.70	13.20	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.45	8.05	8.05	8.05	30.60	15.40 ~ 30.60	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.34	7.92	7.92	7.92	30.10	15.10 ~ 30.10	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98
07+09+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.28	7.84	7.84	7.84	29.80	14.70 ~ 29.80	3140	1000 ~ 3140	15.4	4.9 ~ 15.4	98
07+09+09+09	Non-Ducted	Duct	Duct	Duct	6.23	7.79	7.79	7.79	29.60	14.20 ~ 29.60	3300	1040 ~ 3300	16.2	5.1 ~ 16.2	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.90	7.38	7.38	10.34	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
07+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
07+09+09+12	Non-Ducted	Duct	Duct	Duct	5.66	7.07	7.07	9.90	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	16.5	5.1 ~ 16.5	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.18	6.48	6.48	12.96	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.96	6.21	6.21	12.42	29.80	15.60 ~ 29.80	2720	1020 ~ 2720	13.3	5.0 ~ 13.3	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.13	6.42	6.42	12.83	30.80	15.40 ~ 30.80	3080	940 ~ 3080	15.1	4.6 ~ 15.1	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	4.91	6.15	6.15	12.29	29.50	15.20 ~ 29.50	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98
07+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	5.07	6.33	6.33	12.67	30.40	15.10 ~ 30.40	3170	990 ~ 3170	15.6	4.9 ~ 15.6	98
07+09+09+15	Non-Ducted	Duct	Duct	Duct	4.82	6.02	6.02	12.04	28.90	14.80 ~ 28.90	2840	1120 ~ 2840	13.9	5.5 ~ 13.9	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.83	6.04	6.04	14.49	31.40	15.80 ~ 31.40	3120	880 ~ 3120	15.3	4.3 ~ 15.3	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.64	5.81	5.81	13.94	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	14.0	5.0 ~ 14.0	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.77	5.96	5.96	14.31	31.00	15.50 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	4.57	5.71	5.71	13.71	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98
07+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	4.71	5.88	5.88	14.13	30.60	15.10 ~ 30.60	3170	990 ~ 3170	15.6	4.9 ~ 15.6	98
07+09+09+18	Non-Ducted	Duct	Duct	Duct	4.48	5.62	5.62	13.48	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	14.5	5.5 ~ 14.5	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.39	6.74	9.43	9.44	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
07+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	16.1	4.9 ~ 16.1	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	16.1	4.9 ~ 16.1	98
07+09+12+12	Non-Ducted	Duct	Duct	Duct	5.18	6.48	9.07	9.07	29.80	14.20 ~ 29.80	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.83	6.04	8.45	12.08	31.40	15.80 ~ 31.40	3180	880 ~ 3180	15.6	4.3 ~ 15.6	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.65	5.81	8.12	11.62	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	14.0	5.0 ~ 14.0	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98
07+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	4.71	5.88	8.24	11.77	30.60	15.10 ~ 30.60	3230	990 ~ 3230	15.8	4.9 ~ 15.8	98
07+09+12+15	Non-Ducted	Duct	Duct	Duct	4.49	5.62	7.86	11.23	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	14.5	5.5 ~ 14.5	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.97	8.71	8.71	8.71	31.10	15.40 ~ 31.10	3160	890 ~ 3160	15.5	4.4 ~ 15.5	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.90	8.60	8.60	8.60	30.70	15.10 ~ 30.70	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
07+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	4.86	8.48	8.48	8.48	30.30	14.70 ~ 30.30	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98
07+12+12+12	Non-Ducted	Duct	Duct	Duct	4.79	8.37	8.37	8.37	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.68	7.68	7.68	7.68	30.70	15.40 ~ 30.70	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.55	7.55	7.55	7.55	30.20	12.60 ~ 30.20	2990	800 ~ 2990	14.7	3.9 ~ 14.7	98
09+09+09+09	Non-Ducted	Non-Ducted	Duct	Duct	7.48	7.48	7.48	7.48	29.90	12.30 ~ 29.90	3140	850 ~ 3140	15.4	4.2 ~ 15.4	98
09+09+09+09	Non-Ducted	Duct	Duct	Duct	7.40	7.40	7.40	7.40	29.60	12.00 ~ 29.60	3300	900 ~ 3300	16.2	4.4 ~ 16.2	98
09+09+09+09	Duct	Duct	Duct	Duct	7.28	7.28	7.28	7.28	29.10	11.60 ~ 29.10	3450	950 ~ 3450	16.9	4.7 ~ 16.9	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.05	7.05	7.05	9.85	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
09+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
09+09+09+12	Non-Ducted	Duct	Duct	Duct	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	16.5	5.1 ~ 16.5	98
09+09+09+12	Duct	Duct	Duct	Non-Ducted	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	16.5	5.1 ~ 16.5	98
09+09+09+12	Duct	Duct	Duct	Duct	6.68	6.68	6.68	9.36	29.40	13.70 ~ 29.40	3580	1090 ~ 3580	17.6	5.3 ~ 17.6	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.22	6.22	6.22	12.44	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.14	6.14	6.14	12.28	30.70	15.60 ~ 30.70	3040	1020 ~ 3040	14.9	5.0 ~ 14.9	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.14	6.14	6.14	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	6.06	6.06	6.06	12.12	30.30	15.20 ~ 30.30	3130	1070 ~ 3130	15.4	5.2 ~ 15.4	98
09+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	6.06	6.06	6.06	12.12	30.30	15.10 ~ 30.30	3100	990 ~ 3100	15.2	4.9 ~ 15.2	98
09+09+09+15	Non-Ducted	Duct	Duct	Duct	5.98	5.98	5.98	11.96	29.90	14.80 ~ 29.90	3150	1120 ~ 3150	15.5	5.5 ~ 15.5	98
09+09+09+15	Duct	Duct	Duct	Non-Ducted	5.98	5.98	5.98	11.96	29.90	14.70 ~ 29.90	3190	1040 ~ 3190	15.6	5.1 ~ 15.6	98
09+09+09+15	Duct	Duct	Duct	Duct	5.90	5.90	5.90	11.80	29.50	14.40 ~ 29.50	3310	1170 ~ 3310	16.2	5.7 ~ 16.2	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.81	5.81	5.81	13.97	31.40	15.80 ~ 31.40	3120	880 ~ 3120	15.3	4.3 ~ 15.3	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.74	5.74	5.74	13.78	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	15.6	5.0 ~ 15.6	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.74	5.74	5.74	13.78	31.00	15.50 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	5.67	5.67	5.67	13.59	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	15.6	5.2 ~ 15.6	98
09+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	5.67	5.67	5.67	13.59	30.60	15.10 ~ 30.60	3170	990 ~ 3170	15.6	4.9 ~ 15.6	98
09+09+09+18	Non-Ducted	Duct	Duct	Duct	5.59	5.59	5.59	13.43	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	16.1	5.5 ~ 16.1	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+09+09+18	Duct	Duct	Duct	Non-Ducted	5.59	5.59	5.59	13.43	30.20	14.70 ~ 30.20	3260	1040 ~ 3260	16.0	5.1 ~ 16.0	98
09+09+09+18	Duct	Duct	Duct	Duct	5.52	5.52	5.52	13.24	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	16.9	5.7 ~ 16.9	98
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.48	6.48	9.07	9.07	31.10	15.40 ~ 31.10	3160	890 ~ 3160	15.5	4.4 ~ 15.5	98
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
09+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98
09+09+12+12	Non-Ducted	Duct	Duct	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98
09+09+12+12	Duct	Duct	Non-Ducted	Non-Ducted	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98
09+09+12+12	Duct	Duct	Non-Ducted	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98
09+09+12+12	Duct	Duct	Duct	Duct	6.15	6.15	8.60	8.60	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	17.9	5.3 ~ 17.9	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.81	5.81	8.15	11.63	31.40	15.80 ~ 31.40	3180	880 ~ 3180	15.6	4.3 ~ 15.6	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.74	5.74	8.04	11.48	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	15.6	5.0 ~ 15.6	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.74	5.74	8.04	11.48	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	15.6	5.2 ~ 15.6	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.74	5.74	8.04	11.48	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	15.6	5.2 ~ 15.6	98
09+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	15.8	4.9 ~ 15.8	98
09+09+12+15	Non-Ducted	Duct	Duct	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	16.1	5.5 ~ 16.1	98
09+09+12+15	Duct	Duct	Non-Ducted	Non-Ducted	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	15.8	4.9 ~ 15.8	98
09+09+12+15	Duct	Duct	Non-Ducted	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	16.1	5.5 ~ 16.1	98
09+09+12+15	Duct	Duct	Duct	Non-Ducted	5.59	5.59	7.83	11.19	30.20	14.70 ~ 30.20	3320	1040 ~ 3320	16.3	5.1 ~ 16.3	98
09+09+12+15	Duct	Duct	Duct	Duct	5.52	5.52	7.72	11.04	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	16.9	5.7 ~ 16.9	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.05	8.45	8.45	8.45	31.40	15.40 ~ 31.40	3370	890 ~ 3370	16.5	4.4 ~ 16.5	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	16.6	4.7 ~ 16.6	98
09+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	17.1	4.9 ~ 17.1	98
09+12+12+12	Non-Ducted	Duct	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	17.9	5.1 ~ 17.9	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Non-Ducted	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	16.6	4.7 ~ 16.6	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	17.1	4.9 ~ 17.1	98
09+12+12+12	Duct	Non-Ducted	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	17.9	5.1 ~ 17.9	98
09+12+12+12	Duct	Duct	Duct	Duct	5.68	7.94	7.94	7.94	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	17.9	5.3 ~ 17.9	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).  
3D078846  
3D078847  
3D078848  
3D078849
  - The total ability of connected indoor units is up to 45.0 kBtu/h.  
3D078850
  - It is impossible to connect only one indoor unit.  
3D078851
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series  
3D078852  
Duct type indoor unit: CDXS-L, FDXS-L series  
3D078853

Heating [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07	Non-Ducted	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	5.2	3.7 ~ 5.6	98
09	Non-Ducted	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	6.4	3.7 ~ 6.9	98
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.7	4.1 ~ 7.3	98
12	Non-Ducted	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	8.5	3.7 ~ 9.1	98
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	8.7	4.1 ~ 9.3	98
15	Non-Ducted	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	9.7	3.4 ~ 10.7	98
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	10.5	4.2 ~ 11.1	98
18	Non-Ducted	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	11.9	3.3 ~ 13.6	98
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	11.1	4.2 ~ 11.4	98
07+07	Non-Ducted	Non-Ducted	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.10	1580	630 ~ 1720	7.8	3.1 ~ 8.4	98
07+09	Non-Ducted	Non-Ducted	—	—	8.89	11.11	—	—	20.00	4.90 ~ 22.00	1820	630 ~ 2060	8.9	3.1 ~ 10.1	98
07+09	Non-Ducted	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.50	1910	690 ~ 2160	9.4	3.4 ~ 10.6	98
07+12	Non-Ducted	Non-Ducted	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.30	2310	630 ~ 2530	11.3	3.1 ~ 12.4	98
07+12	Non-Ducted	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	11.9	3.4 ~ 13.3	98
07+15	Non-Ducted	Non-Ducted	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	12.8	3.2 ~ 14.9	98
07+15	Non-Ducted	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 28.80	2850	810 ~ 3180	14.0	4.0 ~ 15.6	98
07+18	Non-Ducted	Non-Ducted	—	—	7.55	22.65	—	—	30.20	7.10 ~ 32.60	3050	700 ~ 3620	15.0	3.4 ~ 17.8	98
07+18	Non-Ducted	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 31.40	3360	880 ~ 3840	16.5	4.3 ~ 18.8	98
09+09	Non-Ducted	Non-Ducted	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	10.6	3.1 ~ 11.9	98
09+09	Non-Ducted	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	11.1	3.4 ~ 12.2	98
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	12.0	3.8 ~ 12.8	98
09+12	Non-Ducted	Non-Ducted	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	13.2	3.1 ~ 15.5	98
09+12	Non-Ducted	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98
09+12	Duct	Non-Ducted	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	14.2	3.8 ~ 15.7	98
09+15	Non-Ducted	Non-Ducted	—	—	10.00	20.00	—	—	30.00	7.20 ~ 32.30	3090	710 ~ 3620	15.2	3.5 ~ 17.8	98
09+15	Non-Ducted	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 31.60	3300	880 ~ 3900	16.2	4.3 ~ 19.1	98
09+15	Duct	Non-Ducted	—	—	9.77	19.53	—	—	29.30	7.20 ~ 31.30	3160	780 ~ 3640	15.5	3.8 ~ 17.9	98
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 30.60	3380	960 ~ 3940	16.6	4.7 ~ 19.3	98
09+18	Non-Ducted	Non-Ducted	—	—	8.97	21.53	—	—	30.50	7.10 ~ 32.60	3100	700 ~ 3620	15.2	3.4 ~ 17.8	98
09+18	Non-Ducted	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 31.80	3420	880 ~ 3970	16.8	4.3 ~ 19.5	98
09+18	Duct	Non-Ducted	—	—	8.76	21.04	—	—	29.80	7.20 ~ 31.70	3170	770 ~ 3640	15.6	3.8 ~ 17.9	98
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 30.80	3500	960 ~ 3970	17.2	4.7 ~ 19.6	98
12+12	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.50	3510	700 ~ 3630	17.2	3.4 ~ 17.8	98
12+12	Duct	Non-Ducted	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	16.4	3.8 ~ 16.4	98
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	15.7	4.2 ~ 15.7	98
12+15	Non-Ducted	Non-Ducted	—	—	12.56	17.94	—	—	30.50	7.20 ~ 32.30	3210	710 ~ 3620	15.7	3.5 ~ 17.8	98
12+15	Non-Ducted	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 31.60	3420	880 ~ 3900	16.8	4.3 ~ 19.1	98
12+15	Duct	Non-Ducted	—	—	12.27	17.53	—	—	29.80	7.20 ~ 31.30	3280	780 ~ 3640	16.1	3.8 ~ 17.9	98
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.60	3500	960 ~ 3940	17.2	4.7 ~ 19.3	98
12+18	Non-Ducted	Non-Ducted	—	—	11.42	19.58	—	—	31.00	10.00 ~ 32.60	3210	860 ~ 3620	15.7	4.2 ~ 17.8	98
12+18	Non-Ducted	Duct	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.80	3540	1060 ~ 3970	17.4	5.2 ~ 19.5	98
12+18	Duct	Non-Ducted	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.70	3280	940 ~ 3640	16.1	4.6 ~ 17.9	98
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 30.80	3630	1150 ~ 3970	17.8	5.6 ~ 19.6	98
15+15	Non-Ducted	Non-Ducted	—	—	15.50	15.50	—	—	31.00	9.90 ~ 33.50	2970	810 ~ 3530	14.6	4.0 ~ 17.3	98
15+15	Duct	Non-Ducted	—	—	15.15	15.15	—	—	30.30	10.00 ~ 32.70	3140	980 ~ 3720	15.4	4.8 ~ 18.2	98
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 31.80	3340	1160 ~ 3930	16.4	5.7 ~ 19.3	98
15+18	Non-Ducted	Non-Ducted	—	—	14.32	17.18	—	—	31.50	12.10 ~ 33.70	2990	930 ~ 3490	14.7	4.6 ~ 17.1	98
15+18	Non-Ducted	Duct	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.70	3260	1120 ~ 3720	16.0	5.5 ~ 18.2	98
15+18	Duct	Non-Ducted	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.80	3210	1110 ~ 3670	15.7	5.4 ~ 18.0	98
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 31.80	3450	1310 ~ 3930	16.9	6.4 ~ 19.3	98
18+18	Non-Ducted	Non-Ducted	—	—	16.05	16.05	—	—	32.10	12.10 ~ 33.80	3060	920 ~ 3450	15.0	4.5 ~ 16.9	98
18+18	Duct	Non-Ducted	—	—	15.65	15.65	—	—	31.30	12.20 ~ 32.80	3320	1110 ~ 3670	16.3	5.4 ~ 18.0	98
18+18	Duct	Duct	—	—	15.20	15.20	—	—	30.40	12.30 ~ 31.80	3570	1310 ~ 3930	17.5	6.4 ~ 19.3	98
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	10.6	2.7 ~ 12.1	98
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.86	8.86	11.08	—	28.80	5.80 ~ 31.10	2510	600 ~ 2920	12.3	2.9 ~ 14.3	98
07+07+09	Non-Ducted	Non-Ducted	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 30.60	2590	660 ~ 3010	12.7	3.2 ~ 14.8	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.08	8.08	14.14	—	30.30	7.00 ~ 32.80	2760	650 ~ 3240	13.5	3.2 ~ 15.9	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 32.30	2850	720 ~ 3400	14.0	3.5 ~ 16.7	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.87	6.87	17.16	—	30.90	9.80 ~ 33.30	2660	760 ~ 3130	13.0	3.7 ~ 15.4	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	6.76	6.76	16.88	—	30.40	9.80 ~ 32.80	2840	920 ~ 3310	13.9	4.5 ~ 16.2	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.28	6.28	18.84	—	31.40	9.70 ~ 33.80	2740	750 ~ 3160	13.4	3.7 ~ 15.5	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	6.18	6.18	18.54	—	30.90	9.80 ~ 33.30	2940	920 ~ 3370	14.4	4.5 ~ 16.5	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.62	10.79	10.79	—	30.20	5.80 ~ 31.80	2710	600 ~ 3020	13.3	2.9 ~ 14.8	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 31.60	2800	660 ~ 3170	13.7	3.2 ~ 15.6	98
07+09+09	Non-Ducted	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 31.30	2900	720 ~ 3340	14.2	3.5 ~ 16.4	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.68	9.59	13.43	—	30.70	7.00 ~ 33.20	2810	650 ~ 3350	13.8	3.2 ~ 16.4	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2960	720 ~ 3450	14.5	3.5 ~ 16.9	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2900	720 ~ 3450	14.2	3.5 ~ 16.9	98
07+09+12	Non-Ducted	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 32.10	3010	790 ~ 3630	14.8	3.9 ~ 17.8	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.57	8.21	16.42	—	31.20	9.80 ~ 33.70	2710	760 ~ 3180	13.3	3.7 ~ 15.6	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2890	920 ~ 3370	14.2	4.5 ~ 16.5	98
07+09+15	Non-Ducted	Duct	Non-Ducted	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2780	820 ~ 3250	13.6	4.0 ~ 15.9	98
07+09+15	Non-Ducted	Duct	Duct	—	6.34	7.92	15.84	—	30.10	9.90 ~ 32.60	2920	980 ~ 3460	14.3	4.8 ~ 17.0	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.04	7.55	18.11	—	31.70	9.70 ~ 34.20	2790	750 ~ 3270	13.7	3.7 ~ 16.0	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	14.7	4.5 ~ 17.1	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2800	820 ~ 3270	13.7	4.0 ~ 16.0	98
07+09+18	Non-Ducted	Duct	Duct	—	5.83	7.29	17.48	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	14.8	4.8 ~ 17.5	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.94	12.13	12.13	—	31.20	9.90 ~ 33.70	2920	800 ~ 3460	14.3	3.9 ~ 17.0	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	6.82	11.94	11.94	—	30.70	9.90 ~ 33.10	3010	870 ~ 3570	14.8	4.3 ~ 17.5	98
07+12+12	Non-Ducted	Duct	Duct	—	6.68	11.71	11.71	—	30.10	10.00 ~ 32.50	3120	950 ~ 3630	15.3	4.7 ~ 17.8	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.04	10.57	15.09	—	31.70	9.80 ~ 34.20	2810	760 ~ 3290	13.8	3.7 ~ 16.1	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	14.7	4.5 ~ 17.1	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2830	820 ~ 3360	13.9	4.0 ~ 16.5	98
07+12+15	Non-Ducted	Duct	Duct	—	5.83	10.20	14.57	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	14.8	4.8 ~ 17.5	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.60	9.80	16.80	—	32.20	12.00 ~ 34.20	2840	870 ~ 3270	13.9	4.3 ~ 16.0	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	5.51	9.65	16.54	—	31.70	12.10 ~ 33.90	3040	1040 ~ 3530	14.9	5.1 ~ 17.3	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	5.51	9.65	16.54	—	31.70	12.00 ~ 33.90	2900	930 ~ 3380	14.2	4.6 ~ 16.6	98
07+12+18	Non-Ducted	Duct	Duct	—	5.41	9.47	16.22	—	31.10	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.36	13.42	13.42	—	32.20	11.90 ~ 34.50	2780	850 ~ 3190	13.6	4.2 ~ 15.6	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	5.28	13.21	13.21	—	31.70	12.00 ~ 33.90	2860	990 ~ 3330	14.0	4.9 ~ 16.3	98
07+15+15	Non-Ducted	Duct	Duct	—	5.18	12.96	12.96	—	31.10	12.00 ~ 33.40	3020	1150 ~ 3500	14.8	5.6 ~ 17.2	98
07+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.03	12.58	15.09	—	32.70	11.90 ~ 34.50	2820	850 ~ 3180	13.8	4.2 ~ 15.6	98
07+15+18	Non-Ducted	Non-Ducted	Duct	—	4.95	12.38	14.87	—	32.20	12.00 ~ 33.90	2960	990 ~ 3330	14.5	4.9 ~ 16.3	98
07+15+18	Non-Ducted	Duct	Non-Ducted	—	4.95	12.38	14.87	—	32.20	11.90 ~ 33.90	2940	990 ~ 3310	14.4	4.9 ~ 16.2	98
07+15+18	Non-Ducted	Duct	Duct	—	4.86	12.15	14.59	—	31.60	12.00 ~ 33.40	3120	1150 ~ 3500	15.3	5.6 ~ 17.2	98
07+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.76	14.27	14.27	—	33.30	11.80 ~ 34.50	2970	840 ~ 3180	14.6	4.1 ~ 15.6	98
07+18+18	Non-Ducted	Non-Ducted	Duct	—	4.68	14.01	14.01	—	32.70	11.90 ~ 33.90	3050	990 ~ 3310	15.0	4.9 ~ 16.2	98
07+18+18	Non-Ducted	Non-Ducted	Duct	—	4.60	13.80	13.80	—	32.20	12.00 ~ 33.40	3230	1150 ~ 3500	15.8	5.6 ~ 17.2	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	10.17	10.17	10.17	—	30.50	7.00 ~ 33.00	2810	650 ~ 3300	13.8	3.2 ~ 16.2	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 32.50	2850	720 ~ 3400	14.0	3.5 ~ 16.7	98
09+09+09	Non-Ducted	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 31.90	2950	790 ~ 3510	14.5	3.9 ~ 17.2	98
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 31.40	3070	860 ~ 3650	15.1	4.2 ~ 17.9	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	9.12	9.12	12.76	—	31.00	7.00 ~ 33.50	2860	650 ~ 3410	14.0	3.2 ~ 16.7	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	14.5	3.5 ~ 17.2	98
09+09+12	Non-Ducted	Duct	Non-Ducted	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	14.5	3.5 ~ 17.2	98
09+09+12	Non-Ducted	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	15.0	3.9 ~ 17.8	98
09+09+12	Duct	Duct	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	15.0	3.9 ~ 17.8	98
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 31.50	3180	860 ~ 3650	15.6	4.2 ~ 17.9	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.88	7.88	15.74	—	31.50	9.80 ~ 34.00	2760	760 ~ 3290	13.5	3.7 ~ 16.1	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2940	920 ~ 3420	14.4	4.5 ~ 16.8	98
09+09+15	Non-Ducted	Duct	Non-Ducted	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2830	820 ~ 3300	13.9	4.0 ~ 16.2	98
09+09+15	Non-Ducted	Duct	Duct	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	3020	980 ~ 3510	14.8	4.8 ~ 17.2	98
09+09+15	Duct	Duct	Non-Ducted	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	2910	890 ~ 3390	14.3	4.4 ~ 16.6	98
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 32.30	3120	1060 ~ 3620	15.3	5.2 ~ 17.8	98
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	7.30	7.30	17.50	—	32.10	12.00 ~ 34.20	2840	870 ~ 3270	13.9	4.3 ~ 16.0	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	7.16	7.16	17.18	—	31.50	12.10 ~ 33.60	3040	1040 ~ 3480	14.9	5.1 ~ 17.1	98

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Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+09+18	Non-Ducted	Duct	Non-Ducted	—	7.16	7.16	17.18	—	31.50	12.00 ~ 33.90	2850	930 ~ 3380	14.0	4.6 ~ 16.6	98
09+09+18	Non-Ducted	Duct	Duct	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98
09+09+18	Duct	Duct	Non-Ducted	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	2920	1000 ~ 3470	14.3	4.9 ~ 17.0	98
09+09+18	Duct	Duct	Duct	—	6.91	6.91	16.58	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	15.6	5.8 ~ 18.3	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.28	11.61	11.61	—	31.50	9.90 ~ 33.70	2970	800 ~ 3460	14.6	3.9 ~ 17.0	98
09+12+12	Non-Ducted	Non-Ducted	Duct	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	15.0	4.3 ~ 17.8	98
09+12+12	Non-Ducted	Duct	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	15.6	4.7 ~ 17.8	98
09+12+12	Duct	Non-Ducted	Non-Ducted	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	15.0	4.3 ~ 17.8	98
09+12+12	Duct	Non-Ducted	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	15.6	4.7 ~ 17.8	98
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 31.50	3300	1030 ~ 3650	16.2	5.1 ~ 17.9	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.30	10.21	14.59	—	32.10	12.00 ~ 34.20	2870	880 ~ 3290	14.1	4.3 ~ 16.1	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	3040	1040 ~ 3530	14.9	5.1 ~ 17.3	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	14.4	4.6 ~ 16.8	98
09+12+15	Non-Ducted	Duct	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	14.4	4.6 ~ 16.8	98
09+12+15	Duct	Non-Ducted	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98
09+12+15	Duct	Duct	Non-Ducted	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	2960	1020 ~ 3500	14.5	5.0 ~ 17.2	98
09+12+15	Duct	Duct	Duct	—	6.91	9.67	13.82	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	15.6	5.8 ~ 18.3	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.79	9.51	16.30	—	32.60	12.00 ~ 34.20	2950	870 ~ 3270	14.5	4.3 ~ 16.0	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	6.67	9.33	16.00	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	15.5	5.1 ~ 17.3	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	14.5	4.6 ~ 16.6	98
09+12+18	Non-Ducted	Duct	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	15.6	5.4 ~ 17.8	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	14.5	4.6 ~ 16.6	98
09+12+18	Duct	Non-Ducted	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	15.6	5.4 ~ 17.8	98
09+12+18	Duct	Duct	Non-Ducted	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3030	1000 ~ 3470	14.9	4.9 ~ 17.0	98
09+12+18	Duct	Duct	Duct	—	6.44	9.01	15.45	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	16.1	5.8 ~ 18.3	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.52	13.04	13.04	—	32.60	11.90 ~ 34.50	2830	850 ~ 3190	13.9	4.2 ~ 15.6	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	6.40	12.80	12.80	—	32.00	12.00 ~ 33.90	2960	990 ~ 3330	14.5	4.9 ~ 16.3	98
09+15+15	Non-Ducted	Duct	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	3070	1150 ~ 3500	15.1	5.6 ~ 17.2	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	6.40	12.80	12.80	—	32.00	11.90 ~ 33.90	2810	900 ~ 3230	13.8	4.4 ~ 15.8	98
09+15+15	Duct	Non-Ducted	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	2960	1060 ~ 3390	14.5	5.2 ~ 16.6	98
09+15+15	Duct	Duct	Duct	—	6.18	12.36	12.36	—	30.90	12.10 ~ 32.80	3150	1220 ~ 3520	15.5	6.0 ~ 17.3	98
09+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.13	12.26	14.71	—	33.10	11.90 ~ 34.50	2920	850 ~ 3180	14.3	4.2 ~ 15.6	98
09+15+18	Non-Ducted	Non-Ducted	Duct	—	6.02	12.04	14.44	—	32.50	12.00 ~ 34.00	3010	990 ~ 3330	14.8	4.9 ~ 16.3	98
09+15+18	Non-Ducted	Duct	Non-Ducted	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2990	990 ~ 3310	14.7	4.9 ~ 16.2	98
09+15+18	Non-Ducted	Duct	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	15.6	5.6 ~ 17.2	98
09+15+18	Duct	Non-Ducted	Non-Ducted	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2890	900 ~ 3210	14.2	4.4 ~ 15.7	98
09+15+18	Duct	Non-Ducted	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	15.1	5.2 ~ 16.6	98
09+15+18	Duct	Duct	Non-Ducted	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3040	1050 ~ 3360	14.9	5.2 ~ 16.5	98
09+15+18	Duct	Duct	Duct	—	5.81	11.63	13.96	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	15.9	6.0 ~ 17.6	98
09+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.80	13.90	13.90	—	33.60	11.80 ~ 34.50	3020	840 ~ 3180	14.8	4.1 ~ 15.6	98
09+18+18	Non-Ducted	Non-Ducted	Duct	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	15.2	4.9 ~ 16.2	98
09+18+18	Non-Ducted	Duct	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	16.1	5.6 ~ 17.2	98
09+18+18	Duct	Non-Ducted	Non-Ducted	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	2980	900 ~ 3190	14.6	4.4 ~ 15.6	98
09+18+18	Duct	Non-Ducted	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	15.5	5.2 ~ 16.5	98
09+18+18	Duct	Duct	Duct	—	5.50	13.20	13.20	—	31.90	12.10 ~ 32.90	3310	1220 ~ 3580	16.2	6.0 ~ 17.6	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	10.70	10.70	10.70	—	32.10	9.90 ~ 33.70	3080	800 ~ 3460	15.1	3.9 ~ 17.0	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	10.50	10.50	10.50	—	31.50	9.90 ~ 33.40	3170	870 ~ 3630	15.6	4.3 ~ 17.8	98
12+12+12	Non-Ducted	Duct	Duct	—	10.33	10.33	10.33	—	31.00	10.00 ~ 32.50	3280	950 ~ 3630	16.1	4.7 ~ 17.8	98
12+12+12	Duct	Duct	Duct	—	10.13	10.13	10.13	—	30.40	10.10 ~ 31.50	3410	1030 ~ 3650	16.7	5.1 ~ 17.9	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	9.51	9.51	13.58	—	32.60	12.00 ~ 34.20	2970	880 ~ 3290	14.6	4.3 ~ 16.1	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	15.5	5.1 ~ 17.3	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	2980	940 ~ 3420	14.6	4.6 ~ 16.8	98
12+12+15	Non-Ducted	Duct	Duct	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	15.6	5.4 ~ 17.8	98
12+12+15	Duct	Duct	Non-Ducted	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3060	1020 ~ 3500	15.0	5.0 ~ 17.2	98
12+12+15	Duct	Duct	Duct	—	9.01	9.01	12.88	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	16.1	5.8 ~ 18.3	98
12+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	8.91	8.91	15.28	—	33.10	12.00 ~ 34.20	3050	870 ~ 3270	15.0	4.3 ~ 16.0	98
12+12+18	Non-Ducted	Non-Ducted	Duct	—	8.75	8.75	15.00	—	32.50	12.10 ~ 33.90	3200	1040 ~ 3530	15.7	5.1 ~ 17.3	98
12+12+18	Non-Ducted	Duct	Non-Ducted	—	8.75	8.75	15.00	—	32.50	12.00 ~ 34.00	3060	930 ~ 3380	15.0	4.6 ~ 16.6	98
12+12+18	Non-Ducted	Duct	Duct	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3290	1110 ~ 3680	16.1	5.4 ~ 18.1	98



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
12+12+18	Duct	Duct	Non-Ducted	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3140	1000 ~ 3470	15.4	4.9 ~ 17.0	98
12+12+18	Duct	Duct	Duct	—	8.45	8.45	14.50	—	31.40	12.20 ~ 32.90	3390	1190 ~ 3740	16.6	5.8 ~ 18.3	98
12+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.58	12.26	12.26	—	33.10	11.90 ~ 34.50	2930	850 ~ 3190	14.4	4.2 ~ 15.6	98
12+15+15	Non-Ducted	Non-Ducted	Duct	—	8.42	12.04	12.04	—	32.50	12.00 ~ 34.00	3010	990 ~ 3380	14.8	4.9 ~ 16.6	98
12+15+15	Non-Ducted	Duct	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	15.6	5.6 ~ 17.2	98
12+15+15	Duct	Non-Ducted	Non-Ducted	—	8.42	12.04	12.04	—	32.50	11.90 ~ 34.00	2910	900 ~ 3230	14.3	4.4 ~ 15.8	98
12+15+15	Duct	Non-Ducted	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	15.1	5.2 ~ 16.6	98
12+15+15	Duct	Duct	Duct	—	8.14	11.63	11.63	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	15.9	6.0 ~ 17.6	98
12+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	8.11	11.59	13.90	—	33.60	11.90 ~ 34.50	3020	850 ~ 3180	14.8	4.2 ~ 15.6	98
12+15+18	Non-Ducted	Non-Ducted	Duct	—	7.96	11.38	13.66	—	33.00	12.00 ~ 34.00	3120	990 ~ 3330	15.3	4.9 ~ 16.3	98
12+15+18	Non-Ducted	Duct	Non-Ducted	—	7.96	11.38	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	15.2	4.9 ~ 16.2	98
12+15+18	Non-Ducted	Duct	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	16.1	5.6 ~ 17.2	98
12+15+18	Duct	Non-Ducted	Non-Ducted	—	7.97	11.38	13.67	—	33.00	11.90 ~ 34.00	3000	900 ~ 3210	14.7	4.4 ~ 15.7	98
12+15+18	Duct	Non-Ducted	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3170	1060 ~ 3390	15.6	5.2 ~ 16.6	98
12+15+18	Duct	Duct	Non-Ducted	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	15.5	5.2 ~ 16.5	98
12+15+18	Duct	Duct	Duct	—	7.70	11.00	13.20	—	31.90	12.10 ~ 32.90	3360	1220 ~ 3580	16.5	6.0 ~ 17.6	98
07+07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.68	7.68	7.68	7.68	30.70	6.70 ~ 33.20	2520	610 ~ 2970	12.4	3.0 ~ 14.6	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.29	7.29	7.29	9.13	31.00	6.70 ~ 33.50	2570	610 ~ 2970	12.6	3.0 ~ 14.6	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.20	7.20	7.20	9.00	30.60	6.80 ~ 33.10	2590	660 ~ 2990	12.7	3.2 ~ 14.7	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.63	6.63	6.63	11.61	31.50	9.60 ~ 34.00	2620	730 ~ 3070	12.9	3.6 ~ 15.1	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.55	6.55	6.55	11.45	31.10	9.70 ~ 33.60	2640	790 ~ 3090	13.0	3.9 ~ 15.2	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.84	5.84	5.84	14.58	32.10	11.70 ~ 34.50	2710	840 ~ 3180	13.3	4.1 ~ 15.6	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.76	5.76	5.76	14.42	31.70	11.80 ~ 34.10	2790	970 ~ 3250	13.7	4.8 ~ 15.9	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.43	5.43	5.43	16.31	32.60	11.70 ~ 34.50	2820	850 ~ 3190	13.8	4.2 ~ 15.6	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.37	5.37	5.37	16.09	32.20	11.80 ~ 34.10	2890	970 ~ 3250	14.2	4.8 ~ 15.9	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.98	6.98	8.72	8.72	31.40	9.60 ~ 33.80	2620	730 ~ 3020	12.9	3.6 ~ 14.8	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.89	6.89	8.61	8.61	31.00	9.70 ~ 33.40	2640	790 ~ 3040	13.0	3.9 ~ 14.9	98
07+07+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.80	6.80	8.50	8.50	30.60	9.70 ~ 33.00	2680	840 ~ 3130	13.1	4.1 ~ 15.4	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.38	6.38	7.98	11.16	31.90	9.60 ~ 34.30	2710	730 ~ 3130	13.3	3.6 ~ 15.4	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	13.4	3.9 ~ 15.5	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	13.4	3.9 ~ 15.5	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Duct	6.22	6.22	7.78	10.88	31.10	9.70 ~ 33.50	2730	840 ~ 3190	13.4	4.1 ~ 15.6	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.63	5.63	7.04	14.10	32.40	11.70 ~ 34.50	2760	840 ~ 3180	13.5	4.1 ~ 15.6	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2840	970 ~ 3250	13.9	4.8 ~ 15.9	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2750	890 ~ 3160	13.5	4.4 ~ 15.5	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Duct	5.50	5.50	6.87	13.73	31.60	11.90 ~ 33.70	2850	1020 ~ 3260	14.0	5.0 ~ 16.0	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.26	5.26	6.58	15.80	32.90	11.70 ~ 34.60	2870	850 ~ 3190	14.1	4.2 ~ 15.6	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2940	970 ~ 3250	14.4	4.8 ~ 15.9	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2850	890 ~ 3210	14.0	4.4 ~ 15.7	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Duct	5.14	5.14	6.42	15.40	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	14.2	5.0 ~ 16.0	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.89	5.89	10.31	10.31	32.40	11.90 ~ 34.50	2760	840 ~ 3180	13.5	4.1 ~ 15.6	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.82	5.82	10.18	10.18	32.00	11.90 ~ 34.10	2790	900 ~ 3250	13.7	4.4 ~ 15.9	98
07+07+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.75	5.75	10.05	10.05	31.60	12.00 ~ 33.70	2830	960 ~ 3240	13.9	4.7 ~ 15.9	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.26	5.26	9.21	13.17	32.90	11.70 ~ 34.60	2860	840 ~ 3180	14.0	4.1 ~ 15.6	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2940	970 ~ 3250	14.4	4.8 ~ 15.9	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2850	890 ~ 3210	14.0	4.4 ~ 15.7	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Duct	5.14	5.14	8.99	12.83	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	14.2	5.0 ~ 16.0	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.95	4.95	8.66	14.84	33.40	11.70 ~ 34.60	2970	850 ~ 3190	14.6	4.2 ~ 15.6	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2990	970 ~ 3250	14.7	4.8 ~ 15.9	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2900	890 ~ 3210	14.2	4.4 ~ 15.7	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Duct	4.83	4.83	8.45	14.49	32.60	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.68	8.34	8.34	8.34	31.70	9.60 ~ 34.20	2660	730 ~ 3130	13.0	3.6 ~ 15.4	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.58	8.24	8.24	8.24	31.30	9.70 ~ 33.80	2690	790 ~ 3150	13.2	3.9 ~ 15.5	98
07+09+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.51	8.13	8.13	8.13	30.90	9.70 ~ 33.40	2730	840 ~ 3190	13.4	4.1 ~ 15.6	98
07+09+09+09	Non-Ducted	Duct	Duct	Duct	6.41	8.03	8.03	8.03	30.50	9.80 ~ 32.90	2780	900 ~ 3250	13.6	4.4 ~ 15.9	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.13	7.67	7.67	10.73	32.20	9.60 ~ 34.50	2760	730 ~ 3180	13.5	3.6 ~ 15.6	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	13.7	3.9 ~ 15.7	98
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	13.7	3.9 ~ 15.7	98
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	13.6	4.1 ~ 15.9	98
07+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	13.6	4.1 ~ 15.9	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07+09+09+12	Non-Ducted	Duct	Duct	Duct	5.90	7.38	7.38	10.34	31.00	9.80 ~ 33.20	2880	900 ~ 3300	14.1	4.4 ~ 16.2	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.45	6.81	6.81	13.63	32.70	11.70 ~ 34.50	2810	840 ~ 3180	13.8	4.1 ~ 15.6	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2890	970 ~ 3250	14.2	4.8 ~ 15.9	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2800	890 ~ 3160	13.7	4.4 ~ 15.5	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2900	1020 ~ 3200	14.2	5.0 ~ 15.7	98
07+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2810	930 ~ 3110	13.8	4.6 ~ 15.3	98
07+09+09+15	Non-Ducted	Duct	Duct	Duct	5.25	6.56	6.56	13.13	31.50	11.90 ~ 33.20	2930	1080 ~ 3230	14.4	5.3 ~ 15.8	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.12	6.40	6.40	15.38	33.30	11.70 ~ 34.60	2920	850 ~ 3190	14.3	4.2 ~ 15.6	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2990	970 ~ 3250	14.7	4.8 ~ 15.9	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2900	890 ~ 3160	14.2	4.4 ~ 15.5	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	5.00	6.25	6.25	15.00	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98
07+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	5.00	6.25	6.25	15.00	32.50	11.80 ~ 33.80	2900	930 ~ 3110	14.2	4.6 ~ 15.3	98
07+09+09+18	Non-Ducted	Duct	Duct	Duct	4.92	6.15	6.15	14.78	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	14.6	5.3 ~ 15.8	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.69	7.11	9.95	9.95	32.70	11.90 ~ 34.50	2810	840 ~ 3180	13.8	4.1 ~ 15.6	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	13.9	4.4 ~ 15.9	98
07+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	13.9	4.4 ~ 15.9	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
07+09+12+12	Non-Ducted	Duct	Duct	Duct	5.48	6.84	9.59	9.59	31.50	12.00 ~ 33.20	2930	1020 ~ 3300	14.4	5.0 ~ 16.2	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.12	6.40	8.97	12.81	33.30	11.70 ~ 34.60	2910	840 ~ 3180	14.3	4.1 ~ 15.6	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2990	970 ~ 3250	14.7	4.8 ~ 15.9	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	14.2	4.4 ~ 15.5	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	14.2	4.4 ~ 15.5	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98
07+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	2910	930 ~ 3110	14.3	4.6 ~ 15.3	98
07+09+12+15	Non-Ducted	Duct	Duct	Duct	4.92	6.15	8.62	12.31	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	14.6	5.3 ~ 15.8	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.34	9.32	9.32	9.32	33.30	11.90 ~ 34.50	2970	840 ~ 3180	14.6	4.1 ~ 15.6	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.27	9.21	9.21	9.21	32.90	11.90 ~ 34.20	2940	900 ~ 3250	14.4	4.4 ~ 15.9	98
07+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.20	9.10	9.10	9.10	32.50	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98
07+12+12+12	Non-Ducted	Duct	Duct	Duct	5.12	8.96	8.96	8.96	32.00	12.00 ~ 33.30	3030	1020 ~ 3300	14.9	5.0 ~ 16.2	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	8.03	8.03	8.03	8.03	32.10	9.60 ~ 34.50	2710	730 ~ 3180	13.3	3.6 ~ 15.6	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.93	7.93	7.93	7.93	31.70	9.70 ~ 34.10	2740	790 ~ 3200	13.4	3.9 ~ 15.7	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.83	7.83	7.83	7.83	31.30	9.70 ~ 33.70	2780	840 ~ 3240	13.6	4.1 ~ 15.9	98
09+09+09+09	Non-Ducted	Duct	Duct	Duct	7.70	7.70	7.70	7.70	30.80	9.80 ~ 33.20	2830	900 ~ 3300	13.9	4.4 ~ 16.2	98
09+09+09+09	Duct	Duct	Duct	Duct	7.60	7.60	7.60	7.60	30.40	9.90 ~ 32.80	2900	970 ~ 3380	14.2	4.8 ~ 16.6	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.41	7.41	7.41	10.37	32.60	11.90 ~ 34.50	2810	840 ~ 3180	13.8	4.1 ~ 15.6	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	13.9	4.4 ~ 15.7	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	13.9	4.4 ~ 15.7	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
09+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
09+09+09+12	Non-Ducted	Duct	Duct	Duct	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	14.4	5.0 ~ 16.2	98
09+09+09+12	Duct	Duct	Duct	Non-Ducted	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	14.4	5.0 ~ 16.2	98
09+09+09+12	Duct	Duct	Duct	Duct	7.02	7.02	7.02	9.84	30.90	12.10 ~ 32.80	3000	1090 ~ 3380	14.7	5.3 ~ 16.6	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.62	6.62	6.62	13.24	33.10	11.70 ~ 34.60	2910	840 ~ 3180	14.3	4.1 ~ 15.6	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2940	970 ~ 3250	14.4	4.8 ~ 15.9	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2850	890 ~ 3160	14.0	4.4 ~ 15.5	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2950	1020 ~ 3260	14.5	5.0 ~ 16.0	98
09+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2860	930 ~ 3110	14.0	4.6 ~ 15.3	98
09+09+09+15	Non-Ducted	Duct	Duct	Duct	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2980	1080 ~ 3230	14.6	5.3 ~ 15.8	98
09+09+09+15	Duct	Duct	Duct	Non-Ducted	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2880	990 ~ 3130	14.1	4.9 ~ 15.4	98
09+09+09+15	Duct	Duct	Duct	Duct	6.28	6.28	6.28	12.56	31.40	12.00 ~ 32.90	3020	1140 ~ 3280	14.8	5.6 ~ 16.1	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.22	6.22	6.22	14.94	33.60	11.70 ~ 34.60	3030	850 ~ 3190	14.9	4.2 ~ 15.6	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	3040	970 ~ 3250	14.9	4.8 ~ 15.9	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	2950	890 ~ 3160	14.5	4.4 ~ 15.5	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	6.07	6.07	6.07	14.59	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	15.0	5.0 ~ 16.0	98
09+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	6.07	6.07	6.07	14.59	32.80	11.80 ~ 33.80	2950	930 ~ 3110	14.5	4.6 ~ 15.3	98
09+09+09+18	Non-Ducted	Duct	Duct	Duct	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	14.9	5.3 ~ 15.8	98
09+09+09+18	Duct	Duct	Duct	Non-Ducted	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	2920	980 ~ 3120	14.3	4.8 ~ 15.3	98
09+09+09+18	Duct	Duct	Duct	Duct	5.91	5.91	5.91	14.17	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	15.1	5.6 ~ 16.1	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.90	6.90	9.65	9.65	33.10	11.90 ~ 34.50	2920	840 ~ 3180	14.3	4.1 ~ 15.6	98
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	14.4	4.4 ~ 15.7	98
09+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	14.4	4.4 ~ 15.7	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98
09+09+12+12	Non-Ducted	Duct	Duct	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	14.6	5.0 ~ 16.2	98
09+09+12+12	Duct	Duct	Non-Ducted	Non-Ducted	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98
09+09+12+12	Duct	Duct	Non-Ducted	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	14.6	5.0 ~ 16.2	98
09+09+12+12	Duct	Duct	Duct	Duct	6.54	6.54	9.16	9.16	31.40	12.10 ~ 32.90	3050	1090 ~ 3380	15.0	5.3 ~ 16.6	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.22	6.22	8.72	12.44	33.60	11.70 ~ 34.60	3020	840 ~ 3180	14.8	4.1 ~ 15.6	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	3040	970 ~ 3250	14.9	4.8 ~ 15.9	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	2950	890 ~ 3160	14.5	4.4 ~ 15.5	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	15.0	5.0 ~ 16.0	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	2950	890 ~ 3160	14.5	4.4 ~ 15.5	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	15.0	5.0 ~ 16.0	98
09+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	14.5	4.6 ~ 15.3	98
09+09+12+15	Non-Ducted	Duct	Duct	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	14.9	5.3 ~ 15.8	98
09+09+12+15	Duct	Duct	Non-Ducted	Non-Ducted	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	14.5	4.6 ~ 15.3	98
09+09+12+15	Duct	Duct	Non-Ducted	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	14.9	5.3 ~ 15.8	98
09+09+12+15	Duct	Duct	Duct	Non-Ducted	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	2930	990 ~ 3130	14.4	4.9 ~ 15.4	98
09+09+12+15	Duct	Duct	Duct	Duct	5.91	5.91	8.27	11.81	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	15.1	5.6 ~ 16.1	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.45	9.05	9.05	9.05	33.60	11.90 ~ 34.50	3020	840 ~ 3180	14.8	4.1 ~ 15.6	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	14.9	4.4 ~ 15.7	98
09+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	14.9	4.7 ~ 15.9	98
09+12+12+12	Non-Ducted	Duct	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	15.2	5.0 ~ 16.2	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Non-Ducted	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	14.9	4.4 ~ 15.7	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	14.9	4.7 ~ 15.9	98
09+12+12+12	Duct	Non-Ducted	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	15.2	5.0 ~ 16.2	98
09+12+12+12	Duct	Duct	Duct	Duct	6.13	8.59	8.59	8.59	31.90	12.10 ~ 32.90	3160	1090 ~ 3380	15.5	5.3 ~ 16.6	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature). Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature). 3D078864  
3D078865  
3D078866  
3D078867
  - The total ability of connected indoor units is up to 45.0 kBtu/h. 3D078868
  - It is impossible to connect only one indoor unit. 3D078869
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series 3D078870  
Duct type indoor unit: CDXS-L, FDXS-L series 3D078871

Cooling [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Non-Ducted	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.0	2.6 ~ 3.0	98
09	Non-Ducted	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	3.6	2.6 ~ 3.6	98
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	3.9	2.8 ~ 3.9	98
12	Non-Ducted	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.0	2.6 ~ 5.0	98
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.1	2.8 ~ 5.1	98
15	Non-Ducted	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	6.3	2.7 ~ 6.3	98
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	6.7	3.2 ~ 6.7	98
18	Non-Ducted	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	8.7	2.8 ~ 8.7	98
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	8.7	3.3 ~ 8.7	98
07+07	Non-Ducted	Non-Ducted	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	5.8	2.8 ~ 5.8	98
07+09	Non-Ducted	Non-Ducted	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	6.6	2.8 ~ 6.6	98
07+09	Non-Ducted	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	6.3	2.9 ~ 6.3	98
07+12	Non-Ducted	Non-Ducted	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	8.4	2.8 ~ 8.4	98
07+12	Non-Ducted	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	8.3	2.9 ~ 8.3	98
07+15	Non-Ducted	Non-Ducted	—	—	7.46	18.64	—	—	26.10	9.30 ~ 26.10	2760	680 ~ 2760	12.2	3.0 ~ 12.2	98
07+15	Non-Ducted	Duct	—	—	6.69	16.71	—	—	23.40	9.10 ~ 23.40	2360	810 ~ 2360	10.5	3.6 ~ 10.5	98
07+18	Non-Ducted	Non-Ducted	—	—	6.65	19.95	—	—	26.60	9.90 ~ 26.60	2830	710 ~ 2830	12.6	3.1 ~ 12.6	98
07+18	Non-Ducted	Duct	—	—	5.93	17.78	—	—	23.70	9.60 ~ 23.70	2410	840 ~ 2410	10.7	3.7 ~ 10.7	98
09+09	Non-Ducted	Non-Ducted	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	7.4	2.8 ~ 7.4	98
09+09	Non-Ducted	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	7.3	2.9 ~ 7.3	98
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	6.8	3.1 ~ 6.8	98
09+12	Non-Ducted	Non-Ducted	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	9.6	2.9 ~ 9.6	98
09+12	Non-Ducted	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98
09+12	Duct	Non-Ducted	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	9.1	3.2 ~ 9.1	98
09+15	Non-Ducted	Non-Ducted	—	—	8.67	17.33	—	—	26.00	9.90 ~ 26.00	2700	710 ~ 2700	12.0	3.1 ~ 12.0	98
09+15	Non-Ducted	Duct	—	—	8.47	16.93	—	—	25.40	9.60 ~ 25.40	2820	840 ~ 2820	12.5	3.7 ~ 12.5	98
09+15	Duct	Non-Ducted	—	—	8.17	16.33	—	—	24.50	9.40 ~ 24.50	2600	750 ~ 2600	11.5	3.3 ~ 11.5	98
09+15	Duct	Duct	—	—	7.97	15.93	—	—	23.90	9.20 ~ 23.90	2770	880 ~ 2770	12.3	3.9 ~ 12.3	98
09+18	Non-Ducted	Non-Ducted	—	—	7.97	19.13	—	—	27.10	9.90 ~ 27.10	3020	710 ~ 3020	13.4	3.1 ~ 13.4	98
09+18	Non-Ducted	Duct	—	—	7.76	18.64	—	—	26.40	9.60 ~ 26.40	3120	840 ~ 3120	13.8	3.7 ~ 13.8	98
09+18	Duct	Non-Ducted	—	—	7.85	18.85	—	—	26.70	9.50 ~ 26.70	3290	750 ~ 3290	14.6	3.3 ~ 14.6	98
09+18	Duct	Duct	—	—	7.65	18.35	—	—	26.00	9.20 ~ 26.00	3460	880 ~ 3460	15.4	3.9 ~ 15.4	98
12+12	Non-Ducted	Non-Ducted	—	—	13.05	13.05	—	—	26.10	8.90 ~ 26.10	3040	670 ~ 3040	13.5	3.0 ~ 13.5	98
12+12	Duct	Non-Ducted	—	—	12.30	12.30	—	—	24.60	8.50 ~ 24.60	2990	710 ~ 2990	13.3	3.1 ~ 13.3	98
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	12.7	3.3 ~ 12.7	98
12+15	Non-Ducted	Non-Ducted	—	—	11.20	16.00	—	—	27.20	9.90 ~ 27.20	3080	710 ~ 3080	13.7	3.1 ~ 13.7	98
12+15	Non-Ducted	Duct	—	—	10.91	15.59	—	—	26.50	9.60 ~ 26.50	3190	840 ~ 3190	14.2	3.7 ~ 14.2	98
12+15	Duct	Non-Ducted	—	—	10.87	15.53	—	—	26.40	9.40 ~ 26.40	3220	750 ~ 3220	14.3	3.3 ~ 14.3	98
12+15	Duct	Duct	—	—	10.58	15.12	—	—	25.70	9.20 ~ 25.70	3320	880 ~ 3320	14.7	3.9 ~ 14.7	98
12+18	Non-Ducted	Non-Ducted	—	—	10.43	17.87	—	—	28.30	12.90 ~ 28.30	3550	900 ~ 3550	15.7	4.0 ~ 15.7	98
12+18	Non-Ducted	Duct	—	—	10.17	17.43	—	—	27.60	12.50 ~ 27.60	3650	1030 ~ 3650	16.2	4.6 ~ 16.2	98
12+18	Duct	Non-Ducted	—	—	10.09	17.31	—	—	27.40	12.40 ~ 27.40	3630	940 ~ 3630	16.1	4.2 ~ 16.1	98
12+18	Duct	Duct	—	—	9.73	16.67	—	—	26.40	11.90 ~ 26.40	3660	1060 ~ 3660	16.2	4.7 ~ 16.2	98
15+15	Non-Ducted	Non-Ducted	—	—	14.20	14.20	—	—	28.40	13.40 ~ 28.40	3180	910 ~ 3180	14.1	4.0 ~ 14.1	98
15+15	Duct	Non-Ducted	—	—	13.85	13.85	—	—	27.70	13.10 ~ 27.70	3490	1030 ~ 3490	15.5	4.6 ~ 15.5	98
15+15	Duct	Duct	—	—	13.50	13.50	—	—	27.00	12.80 ~ 27.00	3400	1160 ~ 3400	15.1	5.1 ~ 15.1	98
15+18	Non-Ducted	Non-Ducted	—	—	13.36	16.04	—	—	29.40	13.50 ~ 29.40	3660	910 ~ 3660	16.2	4.0 ~ 16.2	98
15+18	Non-Ducted	Duct	—	—	12.95	15.55	—	—	28.50	13.10 ~ 28.50	3630	1030 ~ 3630	16.1	4.6 ~ 16.1	98
15+18	Duct	Non-Ducted	—	—	13.00	15.60	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	16.1	4.6 ~ 16.1	98
15+18	Duct	Duct	—	—	12.64	15.16	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	16.2	5.1 ~ 16.2	98
18+18	Non-Ducted	Non-Ducted	—	—	14.70	14.70	—	—	29.40	13.50 ~ 29.40	3600	910 ~ 3600	16.0	4.0 ~ 16.0	98
18+18	Duct	Non-Ducted	—	—	14.30	14.30	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	16.1	4.6 ~ 16.1	98
18+18	Duct	Duct	—	—	13.90	13.90	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	16.2	5.1 ~ 16.2	98
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	8.00	8.00	8.00	—	24.00	9.50 ~ 24.00	1910	640 ~ 1910	8.5	2.8 ~ 8.5	98
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	7.82	7.82	9.76	—	25.40	10.10 ~ 25.40	2130	670 ~ 2130	9.4	3.0 ~ 9.4	98
07+07+09	Non-Ducted	Non-Ducted	Duct	—	7.60	7.60	9.50	—	24.70	9.80 ~ 24.70	2210	720 ~ 2210	9.8	3.2 ~ 9.8	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.28	7.28	12.74	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	11.2	3.1 ~ 11.2	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	7.09	7.09	12.42	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	11.5	3.3 ~ 11.5	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.44	6.44	16.12	—	29.00	14.50 ~ 29.00	2790	910 ~ 2790	12.4	4.0 ~ 12.4	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	6.00	6.00	15.00	—	27.00	14.20 ~ 27.00	2550	1040 ~ 2550	11.3	4.6 ~ 11.3	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.88	5.88	17.64	—	29.40	14.60 ~ 29.40	2920	910 ~ 2920	13.0	4.0 ~ 13.0	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	5.50	5.50	16.50	—	27.50	14.20 ~ 27.50	2660	1040 ~ 2660	11.8	4.6 ~ 11.8	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	7.66	9.57	9.57	—	26.80	10.10 ~ 26.80	2410	670 ~ 2410	10.7	3.0 ~ 10.7	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	7.46	9.32	9.32	—	26.10	9.80 ~ 26.10	2490	720 ~ 2490	11.0	3.2 ~ 11.0	98
07+09+09	Non-Ducted	Duct	Duct	—	7.40	9.25	9.25	—	25.90	9.50 ~ 25.90	2680	770 ~ 2680	11.9	3.4 ~ 11.9	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.98	8.72	12.20	—	27.90	10.70 ~ 27.90	2700	700 ~ 2700	12.0	3.1 ~ 12.0	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	12.4	3.3 ~ 12.4	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	12.4	3.3 ~ 12.4	98
07+09+12	Non-Ducted	Duct	Duct	—	6.75	8.44	11.81	—	27.00	10.00 ~ 27.00	2990	800 ~ 2990	13.3	3.5 ~ 13.3	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.21	7.76	15.53	—	29.50	14.50 ~ 29.50	2980	910 ~ 2980	13.2	4.0 ~ 13.2	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	5.81	7.26	14.53	—	27.60	14.20 ~ 27.60	2660	1040 ~ 2660	11.8	4.6 ~ 11.8	98
07+09+15	Non-Ducted	Duct	Non-Ducted	—	6.08	7.61	15.21	—	28.90	14.10 ~ 28.90	3070	950 ~ 3070	13.6	4.2 ~ 13.6	98
07+09+15	Non-Ducted	Duct	Duct	—	5.66	7.08	14.16	—	26.90	13.80 ~ 26.90	2750	1080 ~ 2750	12.2	4.8 ~ 12.2	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.75	7.19	17.26	—	30.20	14.60 ~ 30.20	3250	910 ~ 3250	14.4	4.0 ~ 14.4	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	5.39	6.74	16.17	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	12.6	4.6 ~ 12.6	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	5.62	7.02	16.86	—	29.50	14.10 ~ 29.50	3270	950 ~ 3270	14.5	4.2 ~ 14.5	98
07+09+18	Non-Ducted	Duct	Duct	—	5.26	6.57	15.77	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	13.0	4.8 ~ 13.0	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.44	11.28	11.28	—	29.00	14.00 ~ 29.00	3090	910 ~ 3090	13.7	4.0 ~ 13.7	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	6.32	11.04	11.04	—	28.40	13.60 ~ 28.40	3170	950 ~ 3170	14.1	4.2 ~ 14.1	98
07+12+12	Non-Ducted	Duct	Duct	—	6.22	10.89	10.89	—	28.00	13.00 ~ 28.00	3380	990 ~ 3380	15.0	4.4 ~ 15.0	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.75	10.07	14.38	—	30.20	14.50 ~ 30.20	3250	910 ~ 3250	14.4	4.0 ~ 14.4	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	5.39	9.43	13.48	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	12.6	4.6 ~ 12.6	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	5.62	9.83	14.05	—	29.50	14.10 ~ 29.50	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
07+12+15	Non-Ducted	Duct	Duct	—	5.26	9.20	13.14	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	13.0	4.8 ~ 13.0	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.34	9.34	16.02	—	30.70	14.60 ~ 30.70	3520	910 ~ 3520	15.6	4.0 ~ 15.6	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	5.03	8.80	15.07	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	13.4	4.6 ~ 13.4	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	5.23	9.16	15.71	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	15.7	4.2 ~ 15.7	98
07+12+18	Non-Ducted	Duct	Duct	—	4.90	8.58	14.72	—	28.20	13.80 ~ 28.20	3120	1080 ~ 3120	13.8	4.8 ~ 13.8	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.13	12.83	12.84	—	30.80	14.90 ~ 30.80	3340	900 ~ 3340	14.8	4.0 ~ 14.8	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	4.84	12.08	12.08	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	12.7	4.6 ~ 12.7	98
07+15+15	Non-Ducted	Duct	Duct	—	4.54	11.33	11.33	—	27.20	14.40 ~ 27.20	2630	1170 ~ 2630	11.7	5.2 ~ 11.7	98
07+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.74	11.85	14.21	—	30.80	15.00 ~ 30.80	3270	900 ~ 3270	14.5	4.0 ~ 14.5	98
07+15+18	Non-Ducted	Non-Ducted	Duct	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	12.7	4.6 ~ 12.7	98
07+15+18	Non-Ducted	Duct	Non-Ducted	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	12.7	4.6 ~ 12.7	98
07+15+18	Non-Ducted	Duct	Duct	—	4.20	10.50	12.60	—	27.30	14.40 ~ 27.30	2680	1170 ~ 2680	11.9	5.2 ~ 11.9	98
07+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.46	13.37	13.37	—	31.20	15.00 ~ 31.20	3480	900 ~ 3480	15.4	4.0 ~ 15.4	98
07+18+18	Non-Ducted	Non-Ducted	Duct	—	4.38	13.16	13.16	—	30.70	14.70 ~ 30.70	3530	1030 ~ 3530	15.7	4.6 ~ 15.7	98
07+18+18	Non-Ducted	Non-Ducted	Duct	—	4.32	12.94	12.94	—	30.20	14.40 ~ 30.20	3570	1170 ~ 3570	15.8	5.2 ~ 15.8	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	9.10	9.10	9.10	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	11.2	3.1 ~ 11.2	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	8.87	8.87	8.87	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	11.5	3.3 ~ 11.5	98
09+09+09	Non-Ducted	Duct	Duct	—	8.80	8.80	8.80	—	26.40	10.00 ~ 26.40	2800	800 ~ 2800	12.4	3.5 ~ 12.4	98
09+09+09	Duct	Duct	Duct	—	8.57	8.57	8.57	—	25.70	9.60 ~ 25.70	2940	840 ~ 2940	13.0	3.7 ~ 13.0	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.35	8.35	11.70	—	28.40	10.70 ~ 28.40	2830	700 ~ 2830	12.6	3.1 ~ 12.6	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	13.2	3.3 ~ 13.2	98
09+09+12	Non-Ducted	Duct	Non-Ducted	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	13.2	3.3 ~ 13.2	98
09+09+12	Non-Ducted	Duct	Duct	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	14.1	3.5 ~ 14.1	98
09+09+12	Duct	Duct	Non-Ducted	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	14.1	3.5 ~ 14.1	98
09+09+12	Duct	Duct	Duct	—	7.91	7.91	11.08	—	26.90	9.60 ~ 26.90	3390	840 ~ 3390	15.0	3.7 ~ 15.0	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.35	7.35	14.70	—	29.40	14.50 ~ 29.40	2920	910 ~ 2920	13.0	4.0 ~ 13.0	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	7.23	7.23	14.44	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	13.4	4.6 ~ 13.4	98
09+09+15	Non-Ducted	Duct	Non-Ducted	—	7.25	7.25	14.50	—	29.00	14.10 ~ 29.00	3070	950 ~ 3070	13.6	4.2 ~ 13.6	98
09+09+15	Non-Ducted	Duct	Duct	—	7.13	7.13	14.24	—	28.50	13.80 ~ 28.50	3180	1080 ~ 3180	14.1	4.8 ~ 14.1	98
09+09+15	Duct	Duct	Non-Ducted	—	7.13	7.13	14.24	—	28.50	13.60 ~ 28.50	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
09+09+15	Duct	Duct	Duct	—	7.00	7.00	14.00	—	28.00	13.30 ~ 28.00	3320	1120 ~ 3320	14.7	5.0 ~ 14.7	98
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.95	6.95	16.70	—	30.60	14.60 ~ 30.60	3450	910 ~ 3450	15.3	4.0 ~ 15.3	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	6.84	6.84	16.42	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	15.5	4.6 ~ 15.5	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTU/h)				Total capacity (kBTU/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+09+18	Non-Ducted	Duct	Non-Ducted	—	6.84	6.84	16.42	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	15.7	4.2 ~ 15.7	98
09+09+18	Non-Ducted	Duct	Duct	—	6.73	6.73	16.14	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98
09+09+18	Duct	Duct	Non-Ducted	—	6.70	6.70	16.10	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98
09+09+18	Duct	Duct	Duct	—	6.52	6.52	15.66	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.76	10.87	10.87	—	29.50	14.00 ~ 29.50	3220	910 ~ 3220	14.3	4.0 ~ 14.3	98
09+12+12	Non-Ducted	Non-Ducted	Duct	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	15.0	3.6 ~ 15.0	98
09+12+12	Non-Ducted	Duct	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	15.9	3.8 ~ 15.9	98
09+12+12	Duct	Non-Ducted	Non-Ducted	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	15.0	3.6 ~ 15.0	98
09+12+12	Duct	Non-Ducted	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	15.9	3.8 ~ 15.9	98
09+12+12	Duct	Duct	Duct	—	7.24	10.13	10.13	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	16.2	4.0 ~ 16.2	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.95	9.74	13.91	—	30.60	14.50 ~ 30.60	3520	910 ~ 3520	15.6	4.0 ~ 15.6	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	6.84	9.58	13.68	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	15.5	4.6 ~ 15.5	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	6.84	9.58	13.68	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98
09+12+15	Non-Ducted	Duct	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	6.84	9.58	13.68	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98
09+12+15	Duct	Non-Ducted	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98
09+12+15	Duct	Duct	Non-Ducted	—	6.69	9.35	13.36	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98
09+12+15	Duct	Duct	Duct	—	6.52	9.13	13.05	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.42	8.98	15.40	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	16.0	4.0 ~ 16.0	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	6.31	8.84	15.15	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	16.1	4.6 ~ 16.1	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98
09+12+18	Non-Ducted	Duct	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98
09+12+18	Duct	Non-Ducted	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98
09+12+18	Duct	Duct	Non-Ducted	—	6.15	8.60	14.75	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98
09+12+18	Duct	Duct	Duct	—	5.98	8.37	14.35	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.18	12.36	12.36	—	30.90	14.90 ~ 30.90	3340	900 ~ 3340	14.8	4.0 ~ 14.8	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	6.08	12.16	12.16	—	30.40	14.70 ~ 30.40	3390	1030 ~ 3390	15.0	4.6 ~ 15.0	98
09+15+15	Non-Ducted	Duct	Duct	—	5.98	11.96	11.96	—	29.90	14.40 ~ 29.90	3430	1170 ~ 3430	15.2	5.2 ~ 15.2	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	6.08	12.16	12.16	—	30.40	14.50 ~ 30.40	3430	950 ~ 3430	15.2	4.2 ~ 15.2	98
09+15+15	Duct	Non-Ducted	Duct	—	5.98	11.96	11.96	—	29.90	14.30 ~ 29.90	3470	1080 ~ 3470	15.4	4.8 ~ 15.4	98
09+15+15	Duct	Duct	Duct	—	5.88	11.76	11.76	—	29.40	14.00 ~ 29.40	3520	1210 ~ 3520	15.6	5.4 ~ 15.6	98
09+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.76	11.52	13.82	—	31.10	15.00 ~ 31.10	3480	900 ~ 3480	15.4	4.0 ~ 15.4	98
09+15+18	Non-Ducted	Non-Ducted	Duct	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	15.4	4.6 ~ 15.4	98
09+15+18	Non-Ducted	Duct	Non-Ducted	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	15.4	4.6 ~ 15.4	98
09+15+18	Non-Ducted	Duct	Duct	—	5.57	11.15	13.38	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	15.5	5.2 ~ 15.5	98
09+15+18	Duct	Non-Ducted	Non-Ducted	—	5.67	11.33	13.60	—	30.60	14.60 ~ 30.60	3500	950 ~ 3500	15.5	4.2 ~ 15.5	98
09+15+18	Duct	Non-Ducted	Duct	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	15.7	4.8 ~ 15.7	98
09+15+18	Duct	Duct	Non-Ducted	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	15.7	4.8 ~ 15.7	98
09+15+18	Duct	Duct	Duct	—	5.46	10.93	13.11	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	15.9	5.4 ~ 15.9	98
09+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.40	12.95	12.95	—	31.30	15.00 ~ 31.30	3560	900 ~ 3560	15.8	4.0 ~ 15.8	98
09+18+18	Non-Ducted	Non-Ducted	Duct	—	5.32	12.74	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	16.0	4.6 ~ 16.0	98
09+18+18	Non-Ducted	Duct	Duct	—	5.22	12.54	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	16.1	5.2 ~ 16.1	98
09+18+18	Duct	Non-Ducted	Non-Ducted	—	5.32	12.79	12.79	—	30.90	14.60 ~ 30.90	3640	950 ~ 3640	16.1	4.2 ~ 16.1	98
09+18+18	Duct	Non-Ducted	Duct	—	5.22	12.54	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	16.0	4.8 ~ 16.0	98
09+18+18	Duct	Duct	Duct	—	5.10	12.25	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	16.2	5.4 ~ 16.2	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	10.07	10.07	10.07	—	30.20	14.00 ~ 30.20	3630	910 ~ 3630	16.1	4.0 ~ 16.1	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	9.83	9.83	9.83	—	29.50	11.50 ~ 29.50	3640	820 ~ 3640	16.1	3.6 ~ 16.1	98
12+12+12	Non-Ducted	Duct	Duct	—	9.50	9.50	9.50	—	28.50	11.00 ~ 28.50	3650	860 ~ 3650	16.2	3.8 ~ 16.2	98
12+12+12	Duct	Duct	Duct	—	9.17	9.17	9.17	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	16.2	4.0 ~ 16.2	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.98	8.98	12.84	—	30.80	14.50 ~ 30.80	3660	910 ~ 3660	16.2	4.0 ~ 16.2	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	8.84	8.84	12.62	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	16.1	4.6 ~ 16.1	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	8.78	8.78	12.54	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98
12+12+15	Non-Ducted	Duct	Duct	—	8.63	8.63	12.34	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98
12+12+15	Duct	Duct	Non-Ducted	—	8.58	8.58	12.24	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98
12+12+15	Duct	Duct	Duct	—	8.37	8.37	11.96	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98
12+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	8.29	8.29	14.22	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	16.0	4.0 ~ 16.0	98
12+12+18	Non-Ducted	Non-Ducted	Duct	—	8.16	8.16	13.98	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	16.1	4.6 ~ 16.1	98
12+12+18	Non-Ducted	Duct	Non-Ducted	—	8.13	8.13	13.94	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98
12+12+18	Non-Ducted	Duct	Duct	—	7.97	7.97	13.66	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
12+12+18	Duct	Duct	Non-Ducted	—	7.94	7.94	13.62	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98
12+12+18	Duct	Duct	Duct	—	7.73	7.73	13.24	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98
12+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.06	11.52	11.52	—	31.10	14.90 ~ 31.10	3480	900 ~ 3480	15.4	4.0 ~ 15.4	98
12+15+15	Non-Ducted	Non-Ducted	Duct	—	7.94	11.33	11.33	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	15.4	4.6 ~ 15.4	98
12+15+15	Non-Ducted	Duct	Duct	—	7.80	11.15	11.15	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	15.5	5.2 ~ 15.5	98
12+15+15	Duct	Non-Ducted	Non-Ducted	—	7.94	11.33	11.33	—	30.60	14.50 ~ 30.60	3500	950 ~ 3500	15.5	4.2 ~ 15.5	98
12+15+15	Duct	Non-Ducted	Duct	—	7.80	11.15	11.15	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	15.7	4.8 ~ 15.7	98
12+15+15	Duct	Duct	Duct	—	7.64	10.93	10.93	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	15.9	5.4 ~ 15.9	98
12+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	7.53	10.76	12.91	—	31.20	15.00 ~ 31.20	3550	900 ~ 3550	15.7	4.0 ~ 15.7	98
12+15+18	Non-Ducted	Non-Ducted	Duct	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3590	1030 ~ 3590	15.9	4.6 ~ 15.9	98
12+15+18	Non-Ducted	Duct	Non-Ducted	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	16.0	4.6 ~ 16.0	98
12+15+18	Non-Ducted	Duct	Duct	—	7.31	10.45	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	16.1	5.2 ~ 16.1	98
12+15+18	Duct	Non-Ducted	Non-Ducted	—	7.44	10.62	12.74	—	30.80	14.60 ~ 30.80	3640	950 ~ 3640	16.1	4.2 ~ 16.1	98
12+15+18	Duct	Non-Ducted	Duct	—	7.29	10.41	12.50	—	30.20	14.30 ~ 30.20	3610	1080 ~ 3610	16.0	4.8 ~ 16.0	98
12+15+18	Duct	Duct	Non-Ducted	—	7.31	10.45	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	16.0	4.8 ~ 16.0	98
12+15+18	Duct	Duct	Duct	—	7.14	10.21	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	16.2	5.4 ~ 16.2	98
07+07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.25	7.25	7.25	7.25	29.00	11.60 ~ 29.00	2460	680 ~ 2460	10.9	3.0 ~ 10.9	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.94	6.94	6.94	8.68	29.50	11.60 ~ 29.50	2590	680 ~ 2590	11.5	3.0 ~ 11.5	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.82	6.82	6.82	8.54	29.00	11.40 ~ 29.00	2610	730 ~ 2610	11.6	3.2 ~ 11.6	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.44	6.44	6.44	11.28	30.60	15.40 ~ 30.60	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.34	6.34	6.34	11.08	30.10	15.10 ~ 30.10	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.64	5.64	5.64	14.08	31.00	15.80 ~ 31.00	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.38	5.38	5.38	13.45	29.60	15.60 ~ 29.60	2720	1020 ~ 2720	12.1	4.5 ~ 12.1	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.18	5.18	5.18	15.56	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.97	4.97	4.97	14.90	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	12.3	4.5 ~ 12.3	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.67	6.67	8.33	8.33	30.00	15.40 ~ 30.00	2710	890 ~ 2710	12.0	3.9 ~ 12.0	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.58	6.58	8.22	8.22	29.60	15.10 ~ 29.60	2800	950 ~ 2800	12.4	4.2 ~ 12.4	98
07+07+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.51	6.51	8.14	8.14	29.30	14.70 ~ 29.30	2950	1000 ~ 2950	13.1	4.4 ~ 13.1	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.14	6.14	7.68	10.74	30.70	15.40 ~ 30.70	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Duct	5.98	5.98	7.48	10.46	29.90	14.70 ~ 29.90	3140	1000 ~ 3140	13.9	4.4 ~ 13.9	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.39	5.39	6.74	13.48	31.00	15.80 ~ 31.00	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.17	5.17	6.45	12.91	29.70	15.60 ~ 29.70	2720	1020 ~ 2720	12.1	4.5 ~ 12.1	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.34	5.34	6.67	13.35	30.70	15.40 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Duct	5.10	5.10	6.36	12.74	29.30	15.20 ~ 29.30	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.98	4.98	6.22	14.92	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.77	4.77	5.96	14.30	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	12.3	4.5 ~ 12.3	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.91	4.91	6.14	14.74	30.70	15.50 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Duct	4.70	4.70	5.89	14.11	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.64	5.64	9.86	9.86	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.55	5.55	9.70	9.70	30.50	15.10 ~ 30.50	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
07+07+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.47	5.47	9.58	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.98	4.98	8.71	12.43	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.77	4.77	8.34	11.92	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	12.3	4.5 ~ 12.3	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.91	4.91	8.60	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Duct	4.70	4.70	8.24	11.76	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.65	4.65	8.14	13.96	31.40	15.80 ~ 31.40	3120	880 ~ 3120	13.8	3.9 ~ 13.8	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.47	4.47	7.84	13.42	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	12.6	4.5 ~ 12.6	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.59	4.59	8.04	13.78	31.00	15.50 ~ 31.00	3280	940 ~ 3280	14.6	4.2 ~ 14.6	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Duct	4.40	4.40	7.70	13.20	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.45	8.05	8.05	8.05	30.60	15.40 ~ 30.60	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.34	7.92	7.92	7.92	30.10	15.10 ~ 30.10	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+09+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.28	7.84	7.84	7.84	29.80	14.70 ~ 29.80	3140	1000 ~ 3140	13.9	4.4 ~ 13.9	98
07+09+09+09	Non-Ducted	Duct	Duct	Duct	6.23	7.79	7.79	7.79	29.60	14.20 ~ 29.60	3300	1040 ~ 3300	14.6	4.6 ~ 14.6	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.90	7.38	7.38	10.34	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
07+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98

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Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTU/h)				Total capacity (kBTU/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+09+09+12	Non-Ducted	Duct	Duct	Duct	5.66	7.07	7.07	9.90	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	14.9	4.6 ~ 14.9	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.18	6.48	6.48	12.96	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.96	6.21	6.21	12.42	29.80	15.60 ~ 29.80	2720	1020 ~ 2720	12.1	4.5 ~ 12.1	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.13	6.42	6.42	12.83	30.80	15.40 ~ 30.80	3080	940 ~ 3080	13.7	4.2 ~ 13.7	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	4.91	6.15	6.15	12.29	29.50	15.20 ~ 29.50	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	5.07	6.33	6.33	12.67	30.40	15.10 ~ 30.40	3170	990 ~ 3170	14.1	4.4 ~ 14.1	98
07+09+09+15	Non-Ducted	Duct	Duct	Duct	4.82	6.02	6.02	12.04	28.90	14.80 ~ 28.90	2840	1120 ~ 2840	12.6	5.0 ~ 12.6	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.83	6.04	6.04	14.49	31.40	15.80 ~ 31.40	3120	880 ~ 3120	13.8	3.9 ~ 13.8	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.64	5.81	5.81	13.94	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	12.6	4.5 ~ 12.6	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.77	5.96	5.96	14.31	31.00	15.50 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	4.57	5.71	5.71	13.71	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	4.71	5.88	5.88	14.13	30.60	15.10 ~ 30.60	3170	990 ~ 3170	14.1	4.4 ~ 14.1	98
07+09+09+18	Non-Ducted	Duct	Duct	Duct	4.48	5.62	5.62	13.48	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	13.1	5.0 ~ 13.1	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.39	6.74	9.43	9.44	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
07+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	14.6	4.4 ~ 14.6	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	14.6	4.4 ~ 14.6	98
07+09+12+12	Non-Ducted	Duct	Duct	Duct	5.18	6.48	9.07	9.07	29.80	14.20 ~ 29.80	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.83	6.04	8.45	12.08	31.40	15.80 ~ 31.40	3180	880 ~ 3180	14.1	3.9 ~ 14.1	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.65	5.81	8.12	11.62	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	12.6	4.5 ~ 12.6	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	4.71	5.88	8.24	11.77	30.60	15.10 ~ 30.60	3230	990 ~ 3230	14.3	4.4 ~ 14.3	98
07+09+12+15	Non-Ducted	Duct	Duct	Duct	4.49	5.62	7.86	11.23	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	13.1	5.0 ~ 13.1	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.97	8.71	8.71	8.71	31.10	15.40 ~ 31.10	3160	890 ~ 3160	14.0	3.9 ~ 14.0	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.90	8.60	8.60	8.60	30.70	15.10 ~ 30.70	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
07+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	4.86	8.48	8.48	8.48	30.30	14.70 ~ 30.30	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98
07+12+12+12	Non-Ducted	Duct	Duct	Duct	4.79	8.37	8.37	8.37	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.68	7.68	7.68	7.68	30.70	15.40 ~ 30.70	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.55	7.55	7.55	7.55	30.20	12.60 ~ 30.20	2990	800 ~ 2990	13.3	3.5 ~ 13.3	98
09+09+09+09	Non-Ducted	Non-Ducted	Duct	Duct	7.48	7.48	7.48	7.48	29.90	12.30 ~ 29.90	3140	850 ~ 3140	13.9	3.8 ~ 13.9	98
09+09+09+09	Non-Ducted	Duct	Duct	Duct	7.40	7.40	7.40	7.40	29.60	12.00 ~ 29.60	3300	900 ~ 3300	14.6	4.0 ~ 14.6	98
09+09+09+09	Duct	Duct	Duct	Duct	7.28	7.28	7.28	7.28	29.10	11.60 ~ 29.10	3450	950 ~ 3450	15.3	4.2 ~ 15.3	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.05	7.05	7.05	9.85	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
09+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
09+09+09+12	Non-Ducted	Duct	Duct	Duct	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	14.9	4.6 ~ 14.9	98
09+09+09+12	Duct	Duct	Duct	Non-Ducted	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	14.9	4.6 ~ 14.9	98
09+09+09+12	Duct	Duct	Duct	Duct	6.68	6.68	6.68	9.36	29.40	13.70 ~ 29.40	3580	1090 ~ 3580	15.9	4.8 ~ 15.9	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.22	6.22	6.22	12.44	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.14	6.14	6.14	12.28	30.70	15.60 ~ 30.70	3040	1020 ~ 3040	13.5	4.5 ~ 13.5	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.14	6.14	6.14	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	6.06	6.06	6.06	12.12	30.30	15.20 ~ 30.30	3130	1070 ~ 3130	13.9	4.7 ~ 13.9	98
09+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	6.06	6.06	6.06	12.12	30.30	15.10 ~ 30.30	3100	990 ~ 3100	13.8	4.4 ~ 13.8	98
09+09+09+15	Non-Ducted	Duct	Duct	Duct	5.98	5.98	5.98	11.96	29.90	14.80 ~ 29.90	3150	1120 ~ 3150	14.0	5.0 ~ 14.0	98
09+09+09+15	Duct	Duct	Duct	Non-Ducted	5.98	5.98	5.98	11.96	29.90	14.70 ~ 29.90	3190	1040 ~ 3190	14.2	4.6 ~ 14.2	98
09+09+09+15	Duct	Duct	Duct	Duct	5.90	5.90	5.90	11.80	29.50	14.40 ~ 29.50	3310	1170 ~ 3310	14.7	5.2 ~ 14.7	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.81	5.81	5.81	13.97	31.40	15.80 ~ 31.40	3120	880 ~ 3120	13.8	3.9 ~ 13.8	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.74	5.74	5.74	13.78	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	14.1	4.5 ~ 14.1	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.74	5.74	5.74	13.78	31.00	15.50 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	5.67	5.67	5.67	13.59	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	14.2	4.7 ~ 14.2	98
09+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	5.67	5.67	5.67	13.59	30.60	15.10 ~ 30.60	3170	990 ~ 3170	14.1	4.4 ~ 14.1	98
09+09+09+18	Non-Ducted	Duct	Duct	Duct	5.59	5.59	5.59	13.43	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	14.6	5.0 ~ 14.6	98
09+09+09+18	Duct	Duct	Duct	Non-Ducted	5.59	5.59	5.59	13.43	30.20	14.70 ~ 30.20	3260	1040 ~ 3260	14.5	4.6 ~ 14.5	98
09+09+09+18	Duct	Duct	Duct	Duct	5.52	5.52	5.52	13.24	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	15.3	5.2 ~ 15.3	98



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.48	6.48	9.07	9.07	31.10	15.40 ~ 31.10	3160	890 ~ 3160	14.0	3.9 ~ 14.0	98
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
09+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98
09+09+12+12	Non-Ducted	Duct	Duct	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98
09+09+12+12	Duct	Duct	Non-Ducted	Non-Ducted	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98
09+09+12+12	Duct	Duct	Non-Ducted	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98
09+09+12+12	Duct	Duct	Duct	Duct	6.15	6.15	8.60	8.60	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	16.2	4.8 ~ 16.2	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.81	5.81	8.15	11.63	31.40	15.80 ~ 31.40	3180	880 ~ 3180	14.1	3.9 ~ 14.1	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.74	5.74	8.04	11.48	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	14.1	4.5 ~ 14.1	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.74	5.74	8.04	11.48	31.00	15.40 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	14.2	4.7 ~ 14.2	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.74	5.74	8.04	11.48	31.00	15.40 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	14.2	4.7 ~ 14.2	98
09+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	14.3	4.4 ~ 14.3	98
09+09+12+15	Non-Ducted	Duct	Duct	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	14.6	5.0 ~ 14.6	98
09+09+12+15	Duct	Duct	Non-Ducted	Non-Ducted	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	14.3	4.4 ~ 14.3	98
09+09+12+15	Duct	Duct	Non-Ducted	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	14.6	5.0 ~ 14.6	98
09+09+12+15	Duct	Duct	Duct	Non-Ducted	5.59	5.59	7.83	11.19	30.20	14.70 ~ 30.20	3320	1040 ~ 3320	14.7	4.6 ~ 14.7	98
09+09+12+15	Duct	Duct	Duct	Duct	5.52	5.52	7.72	11.04	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	15.3	5.2 ~ 15.3	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.05	8.45	8.45	8.45	31.40	15.40 ~ 31.40	3370	890 ~ 3370	15.0	3.9 ~ 15.0	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	15.0	4.2 ~ 15.0	98
09+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	15.4	4.4 ~ 15.4	98
09+12+12+12	Non-Ducted	Duct	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	16.1	4.6 ~ 16.1	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Non-Ducted	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	15.0	4.2 ~ 15.0	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	15.4	4.4 ~ 15.4	98
09+12+12+12	Duct	Non-Ducted	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	16.1	4.6 ~ 16.1	98
09+12+12+12	Duct	Duct	Duct	Duct	5.68	7.94	7.94	7.94	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	16.2	4.8 ~ 16.2	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature). Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 45.0 kBTu/h.
  - It is impossible to connect only one indoor unit.
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series  
Duct type indoor unit: CDXS-L, FDXS-L series
- 3D078854  
3D078855  
3D078856  
3D078857  
3D078858  
3D078859  
3D078860  
3D078861

Heating [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
07	Non-Ducted	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	4.7	3.3 ~ 5.1	98	
09	Non-Ducted	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	5.8	3.3 ~ 6.3	98	
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.1	3.7 ~ 6.6	98	
12	Non-Ducted	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	7.7	3.3 ~ 8.2	98	
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	7.9	3.7 ~ 8.4	98	
15	Non-Ducted	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	8.7	3.1 ~ 9.7	98	
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	9.5	3.8 ~ 10.0	98	
18	Non-Ducted	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	10.7	3.0 ~ 12.3	98	
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	10.0	3.8 ~ 10.3	98	
07+07	Non-Ducted	Non-Ducted	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.10	1580	630 ~ 1720	7.0	2.8 ~ 7.6	98	
07+09	Non-Ducted	Non-Ducted	—	—	8.89	11.11	—	—	20.00	4.90 ~ 22.00	1820	630 ~ 2060	8.1	2.8 ~ 9.1	98	
07+09	Non-Ducted	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.50	1910	690 ~ 2160	8.5	3.1 ~ 9.6	98	
07+12	Non-Ducted	Non-Ducted	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.30	2310	630 ~ 2530	10.2	2.8 ~ 11.2	98	
07+12	Non-Ducted	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	10.8	3.1 ~ 12.0	98	
07+15	Non-Ducted	Non-Ducted	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	11.6	2.9 ~ 13.5	98	
07+15	Non-Ducted	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 28.80	2850	810 ~ 3180	12.6	3.6 ~ 14.1	98	
07+18	Non-Ducted	Non-Ducted	—	—	7.55	22.65	—	—	30.20	7.10 ~ 32.60	3050	700 ~ 3620	13.5	3.1 ~ 16.1	98	
07+18	Non-Ducted	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 31.40	3360	880 ~ 3840	14.9	3.9 ~ 17.0	98	
09+09	Non-Ducted	Non-Ducted	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	9.6	2.8 ~ 10.7	98	
09+09	Non-Ducted	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	10.1	3.1 ~ 11.0	98	
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	10.8	3.4 ~ 11.6	98	
09+12	Non-Ducted	Non-Ducted	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	11.9	2.8 ~ 14.0	98	
09+12	Non-Ducted	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98	
09+12	Duct	Non-Ducted	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98	
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	12.9	3.4 ~ 14.2	98	
09+15	Non-Ducted	Non-Ducted	—	—	10.00	20.00	—	—	30.00	7.20 ~ 32.30	3090	710 ~ 3620	13.7	3.1 ~ 16.1	98	
09+15	Non-Ducted	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 31.60	3300	880 ~ 3900	14.6	3.9 ~ 17.3	98	
09+15	Duct	Non-Ducted	—	—	9.77	19.53	—	—	29.30	7.20 ~ 31.30	3160	780 ~ 3640	14.0	3.5 ~ 16.1	98	
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 30.60	3380	960 ~ 3940	15.0	4.3 ~ 17.5	98	
09+18	Non-Ducted	Non-Ducted	—	—	8.97	21.53	—	—	30.50	7.10 ~ 32.60	3100	700 ~ 3620	13.8	3.1 ~ 16.1	98	
09+18	Non-Ducted	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 31.80	3420	880 ~ 3970	15.2	3.9 ~ 17.6	98	
09+18	Duct	Non-Ducted	—	—	8.76	21.04	—	—	29.80	7.20 ~ 31.70	3170	770 ~ 3640	14.1	3.4 ~ 16.1	98	
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 30.80	3500	960 ~ 3970	15.5	4.3 ~ 17.7	98	
12+12	Non-Ducted	Non-Ducted	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.50	3510	700 ~ 3630	15.6	3.1 ~ 16.1	98	
12+12	Duct	Non-Ducted	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	14.9	3.4 ~ 14.9	98	
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	14.2	3.8 ~ 14.2	98	
12+15	Non-Ducted	Non-Ducted	—	—	12.56	17.94	—	—	30.50	7.20 ~ 32.30	3210	710 ~ 3620	14.2	3.1 ~ 16.1	98	
12+15	Non-Ducted	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 31.60	3420	880 ~ 3900	15.2	3.9 ~ 17.3	98	
12+15	Duct	Non-Ducted	—	—	12.27	17.53	—	—	29.80	7.20 ~ 31.30	3280	780 ~ 3640	14.6	3.5 ~ 16.1	98	
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.60	3500	960 ~ 3940	15.5	4.3 ~ 17.5	98	
12+18	Non-Ducted	Non-Ducted	—	—	11.42	19.58	—	—	31.00	10.00 ~ 32.60	3210	860 ~ 3620	14.2	3.8 ~ 16.1	98	
12+18	Non-Ducted	Duct	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.80	3540	1060 ~ 3970	15.7	4.7 ~ 17.6	98	
12+18	Duct	Non-Ducted	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.70	3280	940 ~ 3640	14.6	4.2 ~ 16.1	98	
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 30.80	3630	1150 ~ 3970	16.1	5.1 ~ 17.7	98	
15+15	Non-Ducted	Non-Ducted	—	—	15.50	15.50	—	—	31.00	9.90 ~ 33.50	2970	810 ~ 3530	13.2	3.6 ~ 15.7	98	
15+15	Duct	Non-Ducted	—	—	15.15	15.15	—	—	30.30	10.00 ~ 32.70	3140	980 ~ 3720	13.9	4.3 ~ 16.5	98	
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 31.80	3340	1160 ~ 3930	14.8	5.1 ~ 17.4	98	
15+18	Non-Ducted	Non-Ducted	—	—	14.32	17.18	—	—	31.50	12.10 ~ 33.70	2990	930 ~ 3490	13.3	4.1 ~ 15.5	98	
15+18	Non-Ducted	Duct	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.70	3260	1120 ~ 3720	14.5	5.0 ~ 16.5	98	
15+18	Duct	Non-Ducted	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.80	3210	1110 ~ 3670	14.2	4.9 ~ 16.3	98	
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 31.80	3450	1310 ~ 3930	15.3	5.8 ~ 17.4	98	
18+18	Non-Ducted	Non-Ducted	—	—	16.05	16.05	—	—	32.10	12.10 ~ 33.80	3060	920 ~ 3450	13.6	4.1 ~ 15.3	98	
18+18	Duct	Non-Ducted	—	—	15.65	15.65	—	—	31.30	12.20 ~ 32.80	3320	1110 ~ 3670	14.7	4.9 ~ 16.3	98	
18+18	Duct	Duct	—	—	15.20	15.20	—	—	30.40	12.30 ~ 31.80	3570	1310 ~ 3930	15.8	5.8 ~ 17.4	98	
07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	9.6	2.4 ~ 10.9	98	
07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.86	8.86	11.08	—	28.80	5.80 ~ 31.10	2510	600 ~ 2920	11.1	2.7 ~ 13.0	98	
07+07+09	Non-Ducted	Non-Ducted	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 30.60	2590	660 ~ 3010	11.5	2.9 ~ 13.4	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.08	8.08	14.14	—	30.30	7.00 ~ 32.80	2760	650 ~ 3240	12.2	2.9 ~ 14.4	98
07+07+12	Non-Ducted	Non-Ducted	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 32.30	2850	720 ~ 3400	12.6	3.2 ~ 15.1	98
07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.87	6.87	17.16	—	30.90	9.80 ~ 33.30	2660	760 ~ 3130	11.8	3.4 ~ 13.9	98
07+07+15	Non-Ducted	Non-Ducted	Duct	—	6.76	6.76	16.88	—	30.40	9.80 ~ 32.80	2840	920 ~ 3310	12.6	4.1 ~ 14.7	98
07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.28	6.28	18.84	—	31.40	9.70 ~ 33.80	2740	750 ~ 3160	12.2	3.3 ~ 14.0	98
07+07+18	Non-Ducted	Non-Ducted	Duct	—	6.18	6.18	18.54	—	30.90	9.80 ~ 33.30	2940	920 ~ 3370	13.0	4.1 ~ 15.0	98
07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	8.62	10.79	10.79	—	30.20	5.80 ~ 31.80	2710	600 ~ 3020	12.0	2.7 ~ 13.4	98
07+09+09	Non-Ducted	Non-Ducted	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 31.60	2800	660 ~ 3170	12.4	2.9 ~ 14.1	98
07+09+09	Non-Ducted	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 31.30	2900	720 ~ 3340	12.9	3.2 ~ 14.8	98
07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	7.68	9.59	13.43	—	30.70	7.00 ~ 33.20	2810	650 ~ 3350	12.5	2.9 ~ 14.9	98
07+09+12	Non-Ducted	Non-Ducted	Duct	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2960	720 ~ 3450	13.1	3.2 ~ 15.3	98
07+09+12	Non-Ducted	Duct	Non-Ducted	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2900	720 ~ 3450	12.9	3.2 ~ 15.3	98
07+09+12	Non-Ducted	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 32.10	3010	790 ~ 3630	13.4	3.5 ~ 16.1	98
07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.57	8.21	16.42	—	31.20	9.80 ~ 33.70	2710	760 ~ 3180	12.0	3.4 ~ 14.1	98
07+09+15	Non-Ducted	Non-Ducted	Duct	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2890	920 ~ 3370	12.8	4.1 ~ 15.0	98
07+09+15	Non-Ducted	Duct	Non-Ducted	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2780	820 ~ 3250	12.3	3.6 ~ 14.4	98
07+09+15	Non-Ducted	Duct	Duct	—	6.34	7.92	15.84	—	30.10	9.90 ~ 32.60	2920	980 ~ 3460	13.0	4.3 ~ 15.4	98
07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.04	7.55	18.11	—	31.70	9.70 ~ 34.20	2790	750 ~ 3270	12.4	3.3 ~ 14.5	98
07+09+18	Non-Ducted	Non-Ducted	Duct	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	13.3	4.1 ~ 15.4	98
07+09+18	Non-Ducted	Duct	Non-Ducted	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2800	820 ~ 3270	12.4	3.6 ~ 14.5	98
07+09+18	Non-Ducted	Duct	Duct	—	5.83	7.29	17.48	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	13.4	4.3 ~ 15.8	98
07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	6.94	12.13	12.13	—	31.20	9.90 ~ 33.70	2920	800 ~ 3460	13.0	3.5 ~ 15.4	98
07+12+12	Non-Ducted	Non-Ducted	Duct	—	6.82	11.94	11.94	—	30.70	9.90 ~ 33.10	3010	870 ~ 3570	13.4	3.9 ~ 15.8	98
07+12+12	Non-Ducted	Duct	Duct	—	6.68	11.71	11.71	—	30.10	10.00 ~ 32.50	3120	950 ~ 3630	13.8	4.2 ~ 16.1	98
07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.04	10.57	15.09	—	31.70	9.80 ~ 34.20	2810	760 ~ 3290	12.5	3.4 ~ 14.6	98
07+12+15	Non-Ducted	Non-Ducted	Duct	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	13.3	4.1 ~ 15.4	98
07+12+15	Non-Ducted	Duct	Non-Ducted	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2830	820 ~ 3360	12.6	3.6 ~ 14.9	98
07+12+15	Non-Ducted	Duct	Duct	—	5.83	10.20	14.57	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	13.4	4.3 ~ 15.8	98
07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.60	9.80	16.80	—	32.20	12.00 ~ 34.20	2840	870 ~ 3270	12.6	3.9 ~ 14.5	98
07+12+18	Non-Ducted	Non-Ducted	Duct	—	5.51	9.65	16.54	—	31.70	12.10 ~ 33.90	3040	1040 ~ 3530	13.5	4.6 ~ 15.7	98
07+12+18	Non-Ducted	Duct	Non-Ducted	—	5.51	9.65	16.54	—	31.70	12.00 ~ 33.90	2900	930 ~ 3380	12.9	4.1 ~ 15.0	98
07+12+18	Non-Ducted	Duct	Duct	—	5.41	9.47	16.22	—	31.10	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98
07+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	5.36	13.42	13.42	—	32.20	11.90 ~ 34.50	2780	850 ~ 3190	12.3	3.8 ~ 14.2	98
07+15+15	Non-Ducted	Non-Ducted	Duct	—	5.28	13.21	13.21	—	31.70	12.00 ~ 33.90	2860	990 ~ 3330	12.7	4.4 ~ 14.8	98
07+15+15	Non-Ducted	Duct	Duct	—	5.18	12.96	12.96	—	31.10	12.00 ~ 33.40	3020	1150 ~ 3500	13.4	5.1 ~ 15.5	98
07+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.03	12.58	15.09	—	32.70	11.90 ~ 34.50	2820	850 ~ 3180	12.5	3.8 ~ 14.1	98
07+15+18	Non-Ducted	Non-Ducted	Duct	—	4.95	12.38	14.87	—	32.20	12.00 ~ 33.90	2960	990 ~ 3330	13.1	4.4 ~ 14.8	98
07+15+18	Non-Ducted	Duct	Non-Ducted	—	4.95	12.38	14.87	—	32.20	11.90 ~ 33.90	2940	990 ~ 3310	13.0	4.4 ~ 14.7	98
07+15+18	Non-Ducted	Duct	Duct	—	4.86	12.15	14.59	—	31.60	12.00 ~ 33.40	3120	1150 ~ 3500	13.8	5.1 ~ 15.5	98
07+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	4.76	14.27	14.27	—	33.30	11.80 ~ 34.50	2970	840 ~ 3180	13.2	3.7 ~ 14.1	98
07+18+18	Non-Ducted	Non-Ducted	Duct	—	4.68	14.01	14.01	—	32.70	11.90 ~ 33.90	3050	990 ~ 3310	13.5	4.4 ~ 14.7	98
07+18+18	Non-Ducted	Non-Ducted	Duct	—	4.60	13.80	13.80	—	32.20	12.00 ~ 33.40	3230	1150 ~ 3500	14.3	5.1 ~ 15.5	98
09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	—	10.17	10.17	10.17	—	30.50	7.00 ~ 33.00	2810	650 ~ 3300	12.5	2.9 ~ 14.6	98
09+09+09	Non-Ducted	Non-Ducted	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 32.50	2850	720 ~ 3400	12.6	3.2 ~ 15.1	98
09+09+09	Non-Ducted	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 31.90	2950	790 ~ 3510	13.1	3.5 ~ 15.6	98
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 31.40	3070	860 ~ 3650	13.6	3.8 ~ 16.2	98
09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	—	9.12	9.12	12.76	—	31.00	7.00 ~ 33.50	2860	650 ~ 3410	12.7	2.9 ~ 15.1	98
09+09+12	Non-Ducted	Non-Ducted	Duct	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	13.1	3.2 ~ 15.6	98
09+09+12	Non-Ducted	Duct	Non-Ducted	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	13.1	3.2 ~ 15.6	98
09+09+12	Non-Ducted	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	13.6	3.5 ~ 16.1	98
09+09+12	Duct	Duct	Non-Ducted	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	13.6	3.5 ~ 16.1	98
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 31.50	3180	860 ~ 3650	14.1	3.8 ~ 16.2	98
09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.88	7.88	15.74	—	31.50	9.80 ~ 34.00	2760	760 ~ 3290	12.2	3.4 ~ 14.6	98
09+09+15	Non-Ducted	Non-Ducted	Duct	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2940	920 ~ 3420	13.0	4.1 ~ 15.2	98
09+09+15	Non-Ducted	Duct	Non-Ducted	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2830	820 ~ 3300	12.6	3.6 ~ 14.6	98
09+09+15	Non-Ducted	Duct	Duct	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	3020	890 ~ 3510	13.4	4.3 ~ 15.6	98
09+09+15	Duct	Duct	Non-Ducted	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	2910	890 ~ 3390	12.9	3.9 ~ 15.0	98
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 32.30	3120	1060 ~ 3620	13.8	4.7 ~ 16.1	98
09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	—	7.30	7.30	17.50	—	32.10	12.00 ~ 34.20	2840	870 ~ 3270	12.6	3.9 ~ 14.5	98
09+09+18	Non-Ducted	Non-Ducted	Duct	—	7.16	7.16	17.18	—	31.50	12.10 ~ 33.60	3040	1040 ~ 3480	13.5	4.6 ~ 15.4	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
09+09+18	Non-Ducted	Duct	Non-Ducted	—	7.16	7.16	17.18	—	31.50	12.00 ~ 33.90	2850	930 ~ 3380	12.6	4.1 ~ 15.0	98
09+09+18	Non-Ducted	Duct	Duct	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98
09+09+18	Duct	Duct	Non-Ducted	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	2920	1000 ~ 3470	13.0	4.4 ~ 15.4	98
09+09+18	Duct	Duct	Duct	—	6.91	6.91	16.58	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	14.1	5.3 ~ 16.6	98
09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	8.28	11.61	11.61	—	31.50	9.90 ~ 33.70	2970	800 ~ 3460	13.2	3.5 ~ 15.4	98
09+12+12	Non-Ducted	Non-Ducted	Duct	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	13.6	3.9 ~ 16.1	98
09+12+12	Non-Ducted	Duct	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	14.1	4.2 ~ 16.1	98
09+12+12	Duct	Non-Ducted	Non-Ducted	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	13.6	3.9 ~ 16.1	98
09+12+12	Duct	Non-Ducted	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	14.1	4.2 ~ 16.1	98
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 31.50	3300	1030 ~ 3650	14.6	4.6 ~ 16.2	98
09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	7.30	10.21	14.59	—	32.10	12.00 ~ 34.20	2870	880 ~ 3290	12.7	3.9 ~ 14.6	98
09+12+15	Non-Ducted	Non-Ducted	Duct	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	3040	1040 ~ 3530	13.5	4.6 ~ 15.7	98
09+12+15	Non-Ducted	Duct	Non-Ducted	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	13.0	4.2 ~ 15.2	98
09+12+15	Non-Ducted	Duct	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98
09+12+15	Duct	Non-Ducted	Non-Ducted	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	13.0	4.2 ~ 15.2	98
09+12+15	Duct	Non-Ducted	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98
09+12+15	Duct	Duct	Non-Ducted	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	2960	1020 ~ 3500	13.1	4.5 ~ 15.5	98
09+12+15	Duct	Duct	Duct	—	6.91	9.67	13.82	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	14.1	5.3 ~ 16.6	98
09+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.79	9.51	16.30	—	32.60	12.00 ~ 34.20	2950	870 ~ 3270	13.1	3.9 ~ 14.5	98
09+12+18	Non-Ducted	Non-Ducted	Duct	—	6.67	9.33	16.00	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	14.0	4.6 ~ 15.7	98
09+12+18	Non-Ducted	Duct	Non-Ducted	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	13.1	4.1 ~ 15.0	98
09+12+18	Non-Ducted	Duct	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	14.1	4.9 ~ 16.1	98
09+12+18	Duct	Non-Ducted	Non-Ducted	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	13.1	4.1 ~ 15.0	98
09+12+18	Duct	Non-Ducted	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	14.1	4.9 ~ 16.1	98
09+12+18	Duct	Duct	Non-Ducted	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3030	1000 ~ 3470	13.4	4.4 ~ 15.4	98
09+12+18	Duct	Duct	Duct	—	6.44	9.01	15.45	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	14.6	5.3 ~ 16.6	98
09+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	6.52	13.04	13.04	—	32.60	11.90 ~ 34.50	2830	850 ~ 3190	12.6	3.8 ~ 14.2	98
09+15+15	Non-Ducted	Non-Ducted	Duct	—	6.40	12.80	12.80	—	32.00	12.00 ~ 33.90	2960	990 ~ 3330	13.1	4.4 ~ 14.8	98
09+15+15	Non-Ducted	Duct	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	3070	1150 ~ 3500	13.6	5.1 ~ 15.5	98
09+15+15	Duct	Non-Ducted	Non-Ducted	—	6.40	12.80	12.80	—	32.00	11.90 ~ 33.90	2810	900 ~ 3230	12.5	4.0 ~ 14.3	98
09+15+15	Duct	Non-Ducted	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	2960	1060 ~ 3390	13.1	4.7 ~ 15.0	98
09+15+15	Duct	Duct	Duct	—	6.18	12.36	12.36	—	30.90	12.10 ~ 32.80	3150	1220 ~ 3520	14.0	5.4 ~ 15.6	98
09+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	6.13	12.26	14.71	—	33.10	11.90 ~ 34.50	2920	850 ~ 3180	13.0	3.8 ~ 14.1	98
09+15+18	Non-Ducted	Non-Ducted	Duct	—	6.02	12.04	14.44	—	32.50	12.00 ~ 34.00	3010	990 ~ 3330	13.4	4.4 ~ 14.8	98
09+15+18	Non-Ducted	Duct	Non-Ducted	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2990	990 ~ 3310	13.3	4.4 ~ 14.7	98
09+15+18	Non-Ducted	Duct	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	14.1	5.1 ~ 15.5	98
09+15+18	Duct	Non-Ducted	Non-Ducted	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2890	900 ~ 3210	12.8	4.0 ~ 14.2	98
09+15+18	Duct	Non-Ducted	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	13.6	4.7 ~ 15.0	98
09+15+18	Duct	Duct	Non-Ducted	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3040	1050 ~ 3360	13.5	4.7 ~ 14.9	98
09+15+18	Duct	Duct	Duct	—	5.81	11.63	13.96	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	14.4	5.4 ~ 15.9	98
09+18+18	Non-Ducted	Non-Ducted	Non-Ducted	—	5.80	13.90	13.90	—	33.60	11.80 ~ 34.50	3020	840 ~ 3180	13.4	3.7 ~ 14.1	98
09+18+18	Non-Ducted	Non-Ducted	Duct	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	13.8	4.4 ~ 14.7	98
09+18+18	Non-Ducted	Duct	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	14.6	5.1 ~ 15.5	98
09+18+18	Duct	Non-Ducted	Non-Ducted	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	2980	900 ~ 3190	13.2	4.0 ~ 14.2	98
09+18+18	Duct	Non-Ducted	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	14.0	4.7 ~ 14.9	98
09+18+18	Duct	Duct	Duct	—	5.50	13.20	13.20	—	31.90	12.10 ~ 32.90	3310	1220 ~ 3580	14.7	5.4 ~ 15.9	98
12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	—	10.70	10.70	10.70	—	32.10	9.90 ~ 33.70	3080	800 ~ 3460	13.7	3.5 ~ 15.4	98
12+12+12	Non-Ducted	Non-Ducted	Duct	—	10.50	10.50	10.50	—	31.50	9.90 ~ 33.40	3170	870 ~ 3630	14.1	3.9 ~ 16.1	98
12+12+12	Non-Ducted	Duct	Duct	—	10.33	10.33	10.33	—	31.00	10.00 ~ 32.50	3280	950 ~ 3630	14.6	4.2 ~ 16.1	98
12+12+12	Duct	Duct	Duct	—	10.13	10.13	10.13	—	30.40	10.10 ~ 31.50	3410	1030 ~ 3650	15.1	4.6 ~ 16.2	98
12+12+15	Non-Ducted	Non-Ducted	Non-Ducted	—	9.51	9.51	13.58	—	32.60	12.00 ~ 34.20	2970	880 ~ 3290	13.2	3.9 ~ 14.6	98
12+12+15	Non-Ducted	Non-Ducted	Duct	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	14.0	4.6 ~ 15.7	98
12+12+15	Non-Ducted	Duct	Non-Ducted	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	2980	940 ~ 3420	13.2	4.2 ~ 15.2	98
12+12+15	Non-Ducted	Duct	Duct	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	14.1	4.9 ~ 16.1	98
12+12+15	Duct	Duct	Non-Ducted	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3060	1020 ~ 3500	13.6	4.5 ~ 15.5	98
12+12+15	Duct	Duct	Duct	—	9.01	9.01	12.88	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	14.6	5.3 ~ 16.6	98
12+12+18	Non-Ducted	Non-Ducted	Non-Ducted	—	8.91	8.91	15.28	—	33.10	12.00 ~ 34.20	3050	870 ~ 3270	13.5	3.9 ~ 14.5	98
12+12+18	Non-Ducted	Non-Ducted	Duct	—	8.75	8.75	15.00	—	32.50	12.10 ~ 33.90	3200	1040 ~ 3530	14.2	4.6 ~ 15.7	98
12+12+18	Non-Ducted	Duct	Non-Ducted	—	8.75	8.75	15.00	—	32.50	12.00 ~ 34.00	3060	930 ~ 3380	13.6	4.1 ~ 15.0	98
12+12+18	Non-Ducted	Duct	Duct	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3290	1110 ~ 3680	14.6	4.9 ~ 16.3	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
12+12+18	Duct	Duct	Non-Ducted	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3140	1000 ~ 3470	13.9	4.4 ~ 15.4	98
12+12+18	Duct	Duct	Duct	—	8.45	8.45	14.50	—	31.40	12.20 ~ 32.90	3390	1190 ~ 3740	15.0	5.3 ~ 16.6	98
12+15+15	Non-Ducted	Non-Ducted	Non-Ducted	—	8.58	12.26	12.26	—	33.10	11.90 ~ 34.50	2930	850 ~ 3190	13.0	3.8 ~ 14.2	98
12+15+15	Non-Ducted	Non-Ducted	Duct	—	8.42	12.04	12.04	—	32.50	12.00 ~ 34.00	3010	990 ~ 3380	13.4	4.4 ~ 15.0	98
12+15+15	Non-Ducted	Duct	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	14.1	5.1 ~ 15.5	98
12+15+15	Duct	Non-Ducted	Non-Ducted	—	8.42	12.04	12.04	—	32.50	11.90 ~ 34.00	2910	900 ~ 3230	12.9	4.0 ~ 14.3	98
12+15+15	Duct	Non-Ducted	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	13.6	4.7 ~ 15.0	98
12+15+15	Duct	Duct	Duct	—	8.14	11.63	11.63	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	14.4	5.4 ~ 15.9	98
12+15+18	Non-Ducted	Non-Ducted	Non-Ducted	—	8.11	11.59	13.90	—	33.60	11.90 ~ 34.50	3020	850 ~ 3180	13.4	3.8 ~ 14.1	98
12+15+18	Non-Ducted	Non-Ducted	Duct	—	7.96	11.38	13.66	—	33.00	12.00 ~ 34.00	3120	990 ~ 3330	13.8	4.4 ~ 14.8	98
12+15+18	Non-Ducted	Duct	Non-Ducted	—	7.96	11.38	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	13.8	4.4 ~ 14.7	98
12+15+18	Non-Ducted	Duct	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	14.6	5.1 ~ 15.5	98
12+15+18	Duct	Non-Ducted	Non-Ducted	—	7.97	11.38	13.67	—	33.00	11.90 ~ 34.00	3000	900 ~ 3210	13.3	4.0 ~ 14.2	98
12+15+18	Duct	Non-Ducted	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3170	1060 ~ 3390	14.1	4.7 ~ 15.0	98
12+15+18	Duct	Duct	Non-Ducted	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	14.0	4.7 ~ 14.9	98
12+15+18	Duct	Duct	Duct	—	7.70	11.00	13.20	—	31.90	12.10 ~ 32.90	3360	1220 ~ 3580	14.9	5.4 ~ 15.9	98
07+07+07+07	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.68	7.68	7.68	7.68	30.70	6.70 ~ 33.20	2520	610 ~ 2970	11.2	2.7 ~ 13.2	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.29	7.29	7.29	9.13	31.00	6.70 ~ 33.50	2570	610 ~ 2970	11.4	2.7 ~ 13.2	98
07+07+07+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.20	7.20	7.20	9.00	30.60	6.80 ~ 33.10	2590	660 ~ 2990	11.5	2.9 ~ 13.3	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.63	6.63	6.63	11.61	31.50	9.60 ~ 34.00	2620	730 ~ 3070	11.6	3.2 ~ 13.6	98
07+07+07+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.55	6.55	6.55	11.45	31.10	9.70 ~ 33.60	2640	790 ~ 3090	11.7	3.5 ~ 13.7	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.84	5.84	5.84	14.58	32.10	11.70 ~ 34.50	2710	840 ~ 3180	12.0	3.7 ~ 14.1	98
07+07+07+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.76	5.76	5.76	14.42	31.70	11.80 ~ 34.10	2790	970 ~ 3250	12.4	4.3 ~ 14.4	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.43	5.43	5.43	16.31	32.60	11.70 ~ 34.50	2820	850 ~ 3190	12.5	3.8 ~ 14.2	98
07+07+07+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.37	5.37	5.37	16.09	32.20	11.80 ~ 34.10	2890	970 ~ 3250	12.8	4.3 ~ 14.4	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.98	6.98	8.72	8.72	31.40	9.60 ~ 33.80	2620	730 ~ 3020	11.6	3.2 ~ 13.4	98
07+07+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.89	6.89	8.61	8.61	31.00	9.70 ~ 33.40	2640	790 ~ 3040	11.7	3.5 ~ 13.5	98
07+07+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.80	6.80	8.50	8.50	30.60	9.70 ~ 33.00	2680	840 ~ 3130	11.9	3.7 ~ 13.9	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.38	6.38	7.98	11.16	31.90	9.60 ~ 34.30	2710	730 ~ 3130	12.0	3.2 ~ 13.9	98
07+07+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	12.2	3.5 ~ 14.0	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	12.2	3.5 ~ 14.0	98
07+07+09+12	Non-Ducted	Non-Ducted	Duct	Duct	6.22	6.22	7.78	10.88	31.10	9.70 ~ 33.50	2730	840 ~ 3190	12.1	3.7 ~ 14.2	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.63	5.63	7.04	14.10	32.40	11.70 ~ 34.50	2760	840 ~ 3180	12.2	3.7 ~ 14.1	98
07+07+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2840	970 ~ 3250	12.6	4.3 ~ 14.4	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2750	890 ~ 3160	12.2	3.9 ~ 14.0	98
07+07+09+15	Non-Ducted	Non-Ducted	Duct	Duct	5.50	5.50	6.87	13.73	31.60	11.90 ~ 33.70	2850	1020 ~ 3260	12.6	4.5 ~ 14.5	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.26	5.26	6.58	15.80	32.90	11.70 ~ 34.60	2870	850 ~ 3190	12.7	3.8 ~ 14.2	98
07+07+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2940	970 ~ 3250	13.0	4.3 ~ 14.4	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2850	890 ~ 3210	12.6	3.9 ~ 14.2	98
07+07+09+18	Non-Ducted	Non-Ducted	Duct	Duct	5.14	5.14	6.42	15.40	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	12.9	4.5 ~ 14.5	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.89	5.89	10.31	10.31	32.40	11.90 ~ 34.50	2760	840 ~ 3180	12.2	3.7 ~ 14.1	98
07+07+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.82	5.82	10.18	10.18	32.00	11.90 ~ 34.10	2790	900 ~ 3250	12.4	4.0 ~ 14.4	98
07+07+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.75	5.75	10.05	10.05	31.60	12.00 ~ 33.70	2830	960 ~ 3240	12.6	4.3 ~ 14.4	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.26	5.26	9.21	13.17	32.90	11.70 ~ 34.60	2860	840 ~ 3180	12.7	3.7 ~ 14.1	98
07+07+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2940	970 ~ 3250	13.0	4.3 ~ 14.4	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2850	890 ~ 3210	12.6	3.9 ~ 14.2	98
07+07+12+15	Non-Ducted	Non-Ducted	Duct	Duct	5.14	5.14	8.99	12.83	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	12.9	4.5 ~ 14.5	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	4.95	4.95	8.66	14.84	33.40	11.70 ~ 34.60	2970	850 ~ 3190	13.2	3.8 ~ 14.2	98
07+07+12+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2990	970 ~ 3250	13.3	4.3 ~ 14.4	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2900	890 ~ 3210	12.9	3.9 ~ 14.2	98
07+07+12+18	Non-Ducted	Non-Ducted	Duct	Duct	4.83	4.83	8.45	14.49	32.60	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.68	8.34	8.34	8.34	31.70	9.60 ~ 34.20	2660	730 ~ 3130	11.8	3.2 ~ 13.9	98
07+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.58	8.24	8.24	8.24	31.30	9.70 ~ 33.80	2690	790 ~ 3150	11.9	3.5 ~ 14.0	98
07+09+09+09	Non-Ducted	Non-Ducted	Duct	Duct	6.51	8.13	8.13	8.13	30.90	9.70 ~ 33.40	2730	840 ~ 3190	12.1	3.7 ~ 14.2	98
07+09+09+09	Non-Ducted	Duct	Duct	Duct	6.41	8.03	8.03	8.03	30.50	9.80 ~ 32.90	2780	900 ~ 3250	12.3	4.0 ~ 14.4	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.13	7.67	7.67	10.73	32.20	9.60 ~ 34.50	2760	730 ~ 3180	12.2	3.2 ~ 14.1	98
07+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	12.4	3.5 ~ 14.2	98
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	12.4	3.5 ~ 14.2	98
07+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	12.3	3.7 ~ 14.4	98
07+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	12.3	3.7 ~ 14.4	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07+09+09+12	Non-Ducted	Duct	Duct	Duct	5.90	7.38	7.38	10.34	31.00	9.80 ~ 33.20	2880	900 ~ 3300	12.8	4.0 ~ 14.6	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.45	6.81	6.81	13.63	32.70	11.70 ~ 34.50	2810	840 ~ 3180	12.5	3.7 ~ 14.1	98
07+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2890	970 ~ 3250	12.8	4.3 ~ 14.4	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2800	890 ~ 3160	12.4	3.9 ~ 14.0	98
07+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2900	1020 ~ 3200	12.9	4.5 ~ 14.2	98
07+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2810	930 ~ 3110	12.5	4.1 ~ 13.8	98
07+09+09+15	Non-Ducted	Duct	Duct	Duct	5.25	6.56	6.56	13.13	31.50	11.90 ~ 33.20	2930	1080 ~ 3230	13.0	4.8 ~ 14.3	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.12	6.40	6.40	15.38	33.30	11.70 ~ 34.60	2920	850 ~ 3190	13.0	3.8 ~ 14.2	98
07+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2990	970 ~ 3250	13.3	4.3 ~ 14.4	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2900	890 ~ 3160	12.9	3.9 ~ 14.0	98
07+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	5.00	6.25	6.25	15.00	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98
07+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	5.00	6.25	6.25	15.00	32.50	11.80 ~ 33.80	2900	930 ~ 3110	12.9	4.1 ~ 13.8	98
07+09+09+18	Non-Ducted	Duct	Duct	Duct	4.92	6.15	6.15	14.78	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	13.2	4.8 ~ 14.3	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.69	7.11	9.95	9.95	32.70	11.90 ~ 34.50	2810	840 ~ 3180	12.5	3.7 ~ 14.1	98
07+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	12.6	4.0 ~ 14.4	98
07+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	12.6	4.0 ~ 14.4	98
07+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
07+09+12+12	Non-Ducted	Duct	Duct	Duct	5.48	6.84	9.59	9.59	31.50	12.00 ~ 33.20	2930	1020 ~ 3300	13.0	4.5 ~ 14.6	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.12	6.40	8.97	12.81	33.30	11.70 ~ 34.60	2910	840 ~ 3180	12.9	3.7 ~ 14.1	98
07+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2990	970 ~ 3250	13.3	4.3 ~ 14.4	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	12.9	3.9 ~ 14.0	98
07+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	12.9	3.9 ~ 14.0	98
07+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98
07+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	2910	930 ~ 3110	12.9	4.1 ~ 13.8	98
07+09+12+15	Non-Ducted	Duct	Duct	Duct	4.92	6.15	8.62	12.31	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	13.2	4.8 ~ 14.3	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	5.34	9.32	9.32	9.32	33.30	11.90 ~ 34.50	2970	840 ~ 3180	13.2	3.7 ~ 14.1	98
07+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	5.27	9.21	9.21	9.21	32.90	11.90 ~ 34.20	2940	900 ~ 3250	13.0	4.0 ~ 14.4	98
07+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	5.20	9.10	9.10	9.10	32.50	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98
07+12+12+12	Non-Ducted	Duct	Duct	Duct	5.12	8.96	8.96	8.96	32.00	12.00 ~ 33.30	3030	1020 ~ 3300	13.4	4.5 ~ 14.6	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	8.03	8.03	8.03	8.03	32.10	9.60 ~ 34.50	2710	730 ~ 3180	12.0	3.2 ~ 14.1	98
09+09+09+09	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.93	7.93	7.93	7.93	31.70	9.70 ~ 34.10	2740	790 ~ 3200	12.2	3.5 ~ 14.2	98
09+09+09+09	Non-Ducted	Non-Ducted	Duct	Duct	7.83	7.83	7.83	7.83	31.30	9.70 ~ 33.70	2780	840 ~ 3240	12.3	3.7 ~ 14.4	98
09+09+09+09	Non-Ducted	Duct	Duct	Duct	7.70	7.70	7.70	7.70	30.80	9.80 ~ 33.20	2830	900 ~ 3300	12.6	4.0 ~ 14.6	98
09+09+09+09	Duct	Duct	Duct	Duct	7.60	7.60	7.60	7.60	30.40	9.90 ~ 32.80	2900	970 ~ 3380	12.9	4.3 ~ 15.0	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	7.41	7.41	7.41	10.37	32.60	11.90 ~ 34.50	2810	840 ~ 3180	12.5	3.7 ~ 14.1	98
09+09+09+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	12.6	4.0 ~ 14.2	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Non-Ducted	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	12.6	4.0 ~ 14.2	98
09+09+09+12	Non-Ducted	Non-Ducted	Duct	Duct	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
09+09+09+12	Non-Ducted	Duct	Duct	Non-Ducted	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
09+09+09+12	Non-Ducted	Duct	Duct	Duct	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	13.0	4.5 ~ 14.6	98
09+09+09+12	Duct	Duct	Duct	Non-Ducted	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	13.0	4.5 ~ 14.6	98
09+09+09+12	Duct	Duct	Duct	Duct	7.02	7.02	7.02	9.84	30.90	12.10 ~ 32.80	3000	1090 ~ 3380	13.3	4.8 ~ 15.0	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.62	6.62	6.62	13.24	33.10	11.70 ~ 34.60	2910	840 ~ 3180	12.9	3.7 ~ 14.1	98
09+09+09+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2940	970 ~ 3250	13.0	4.3 ~ 14.4	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2850	890 ~ 3160	12.6	3.9 ~ 14.0	98
09+09+09+15	Non-Ducted	Non-Ducted	Duct	Duct	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2950	1020 ~ 3260	13.1	4.5 ~ 14.5	98
09+09+09+15	Non-Ducted	Duct	Duct	Non-Ducted	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2860	930 ~ 3110	12.7	4.1 ~ 13.8	98
09+09+09+15	Non-Ducted	Duct	Duct	Duct	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2980	1080 ~ 3230	13.2	4.8 ~ 14.3	98
09+09+09+15	Duct	Duct	Duct	Non-Ducted	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2880	990 ~ 3130	12.8	4.4 ~ 13.9	98
09+09+09+15	Duct	Duct	Duct	Duct	6.28	6.28	6.28	12.56	31.40	12.00 ~ 32.90	3020	1140 ~ 3280	13.4	5.1 ~ 14.6	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.22	6.22	6.22	14.94	33.60	11.70 ~ 34.60	3030	850 ~ 3190	13.4	3.8 ~ 14.2	98
09+09+09+18	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	3040	970 ~ 3250	13.5	4.3 ~ 14.4	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	2950	890 ~ 3160	13.1	3.9 ~ 14.0	98
09+09+09+18	Non-Ducted	Non-Ducted	Duct	Duct	6.07	6.07	6.07	14.59	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	13.5	4.5 ~ 14.5	98
09+09+09+18	Non-Ducted	Duct	Duct	Non-Ducted	6.07	6.07	6.07	14.59	32.80	11.80 ~ 33.80	2950	930 ~ 3110	13.1	4.1 ~ 13.8	98
09+09+09+18	Non-Ducted	Duct	Duct	Duct	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	13.4	4.8 ~ 14.3	98
09+09+09+18	Duct	Duct	Duct	Non-Ducted	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	2920	980 ~ 3120	13.0	4.3 ~ 13.8	98
09+09+09+18	Duct	Duct	Duct	Duct	5.91	5.91	5.91	14.17	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	13.6	5.1 ~ 14.6	98

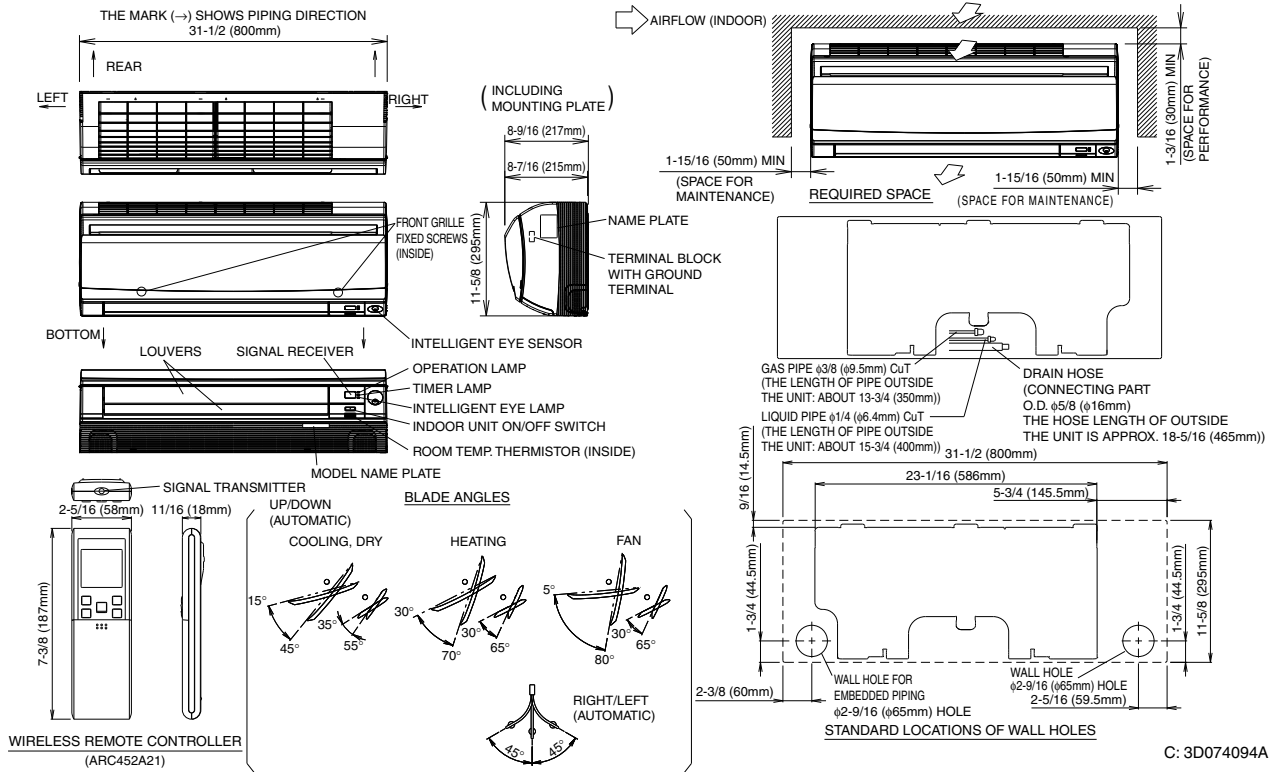
Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.90	6.90	9.65	9.65	33.10	11.90 ~ 34.50	2920	840 ~ 3180	13.0	3.7 ~ 14.1	98
09+09+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	13.0	4.0 ~ 14.2	98
09+09+12+12	Non-Ducted	Non-Ducted	Duct	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Non-Ducted	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	13.0	4.0 ~ 14.2	98
09+09+12+12	Non-Ducted	Duct	Non-Ducted	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98
09+09+12+12	Non-Ducted	Duct	Duct	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	13.2	4.5 ~ 14.6	98
09+09+12+12	Duct	Duct	Non-Ducted	Non-Ducted	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98
09+09+12+12	Duct	Duct	Non-Ducted	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	13.2	4.5 ~ 14.6	98
09+09+12+12	Duct	Duct	Duct	Duct	6.54	6.54	9.16	9.16	31.40	12.10 ~ 32.90	3050	1090 ~ 3380	13.5	4.8 ~ 15.0	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.22	6.22	8.72	12.44	33.60	11.70 ~ 34.60	3020	840 ~ 3180	13.4	3.7 ~ 14.1	98
09+09+12+15	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	3040	970 ~ 3250	13.5	4.3 ~ 14.4	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Non-Ducted	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	2950	890 ~ 3160	13.1	3.9 ~ 14.0	98
09+09+12+15	Non-Ducted	Non-Ducted	Duct	Duct	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	13.5	4.5 ~ 14.5	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Non-Ducted	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	2950	890 ~ 3160	13.1	3.9 ~ 14.0	98
09+09+12+15	Non-Ducted	Duct	Non-Ducted	Duct	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	13.5	4.5 ~ 14.5	98
09+09+12+15	Non-Ducted	Duct	Duct	Non-Ducted	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	13.1	4.1 ~ 13.8	98
09+09+12+15	Non-Ducted	Duct	Duct	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	13.4	4.8 ~ 14.3	98
09+09+12+15	Duct	Duct	Non-Ducted	Non-Ducted	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	13.1	4.1 ~ 13.8	98
09+09+12+15	Duct	Duct	Non-Ducted	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	13.4	4.8 ~ 14.3	98
09+09+12+15	Duct	Duct	Duct	Non-Ducted	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	2930	990 ~ 3130	13.0	4.4 ~ 13.9	98
09+09+12+15	Duct	Duct	Duct	Duct	5.91	5.91	8.27	11.81	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	13.6	5.1 ~ 14.6	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Non-Ducted	6.45	9.05	9.05	9.05	33.60	11.90 ~ 34.50	3020	840 ~ 3180	13.4	3.7 ~ 14.1	98
09+12+12+12	Non-Ducted	Non-Ducted	Non-Ducted	Duct	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	13.5	4.0 ~ 14.2	98
09+12+12+12	Non-Ducted	Non-Ducted	Duct	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	13.4	4.3 ~ 14.4	98
09+12+12+12	Non-Ducted	Duct	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	13.7	4.5 ~ 14.6	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Non-Ducted	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	13.5	4.0 ~ 14.2	98
09+12+12+12	Duct	Non-Ducted	Non-Ducted	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	13.4	4.3 ~ 14.4	98
09+12+12+12	Duct	Non-Ducted	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	13.7	4.5 ~ 14.6	98
09+12+12+12	Duct	Duct	Duct	Duct	6.13	8.59	8.59	8.59	31.90	12.10 ~ 32.90	3160	1090 ~ 3380	14.0	4.8 ~ 15.0	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature). Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 45.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Non-Ducted type indoor unit: CTXS-L, CTXS-H, FTXS-L series  
Duct type indoor unit: CDXS-L, FDXS-L series
- 3D078872  
3D078873  
3D078874  
3D078875  
3D078876  
3D078877  
3D078878  
3D078879

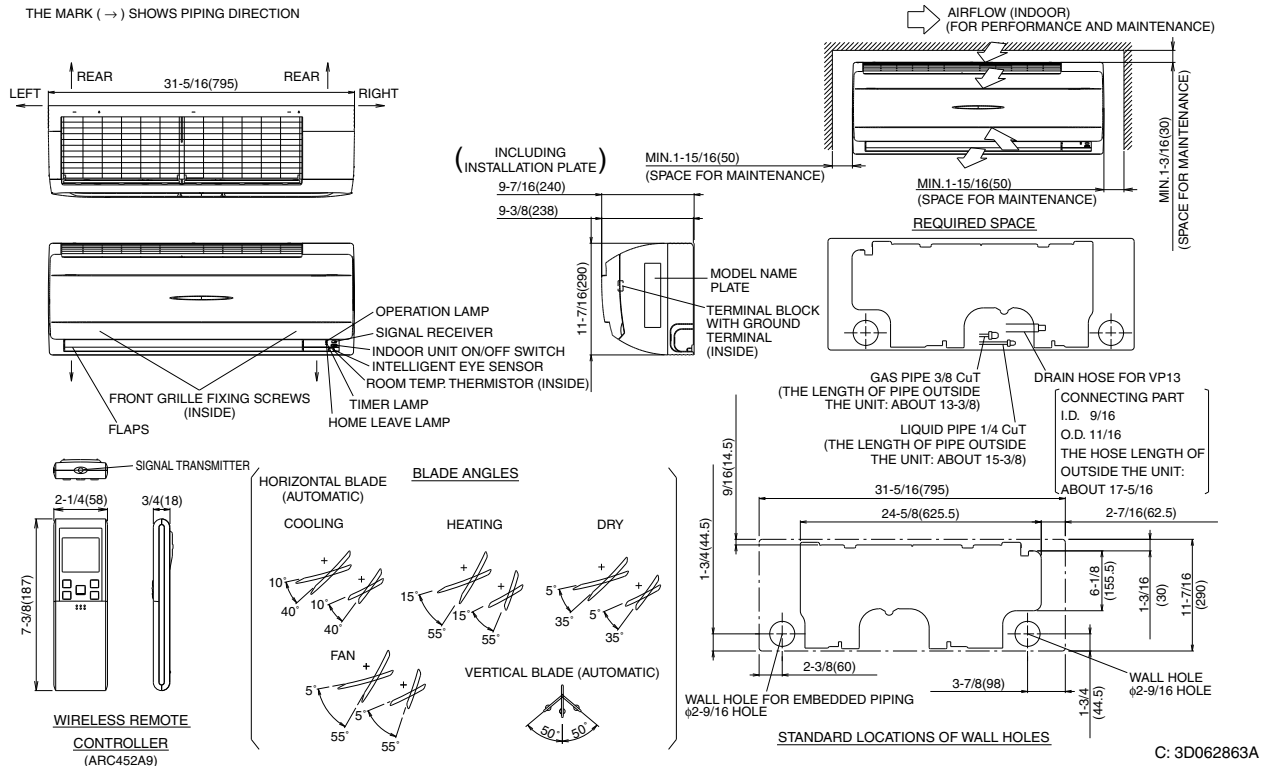
# 4. Dimensions

## 4.1 Indoor Unit

### CTXS07LVJU

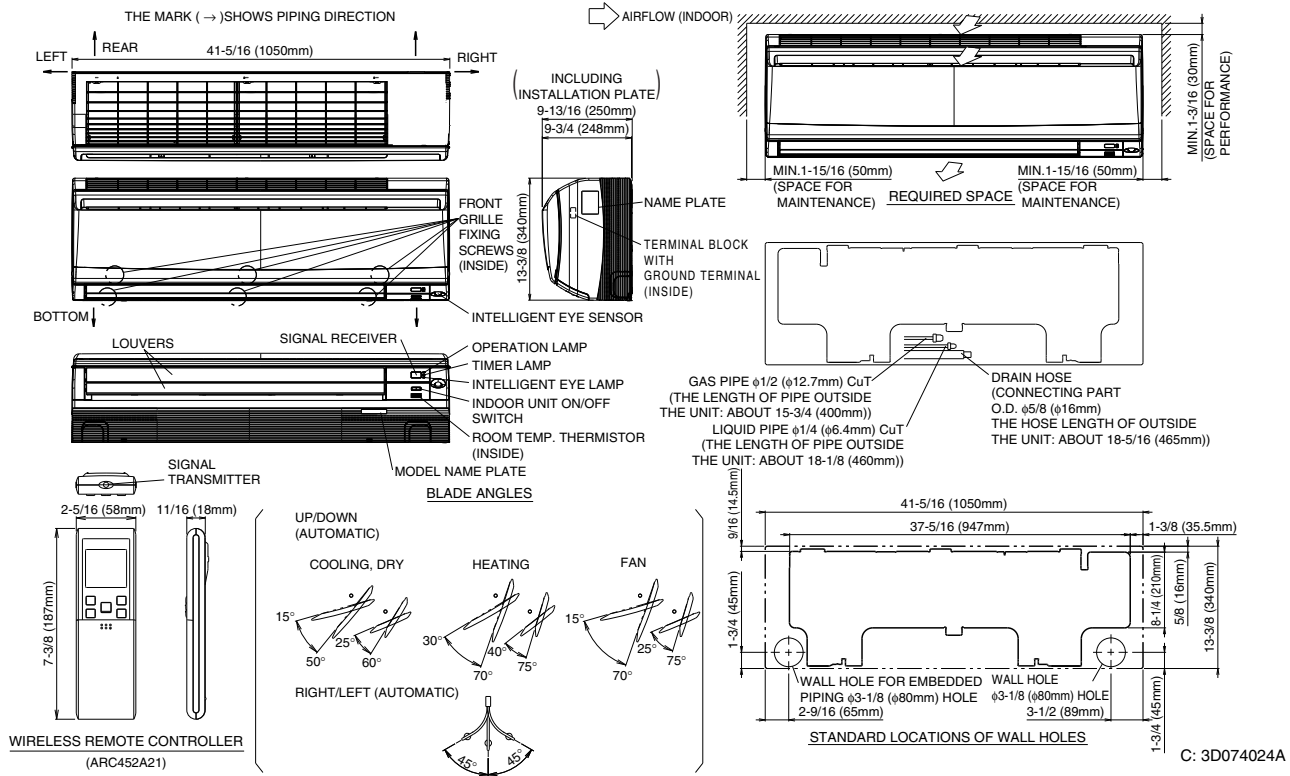


### CTXS09/12HVJU

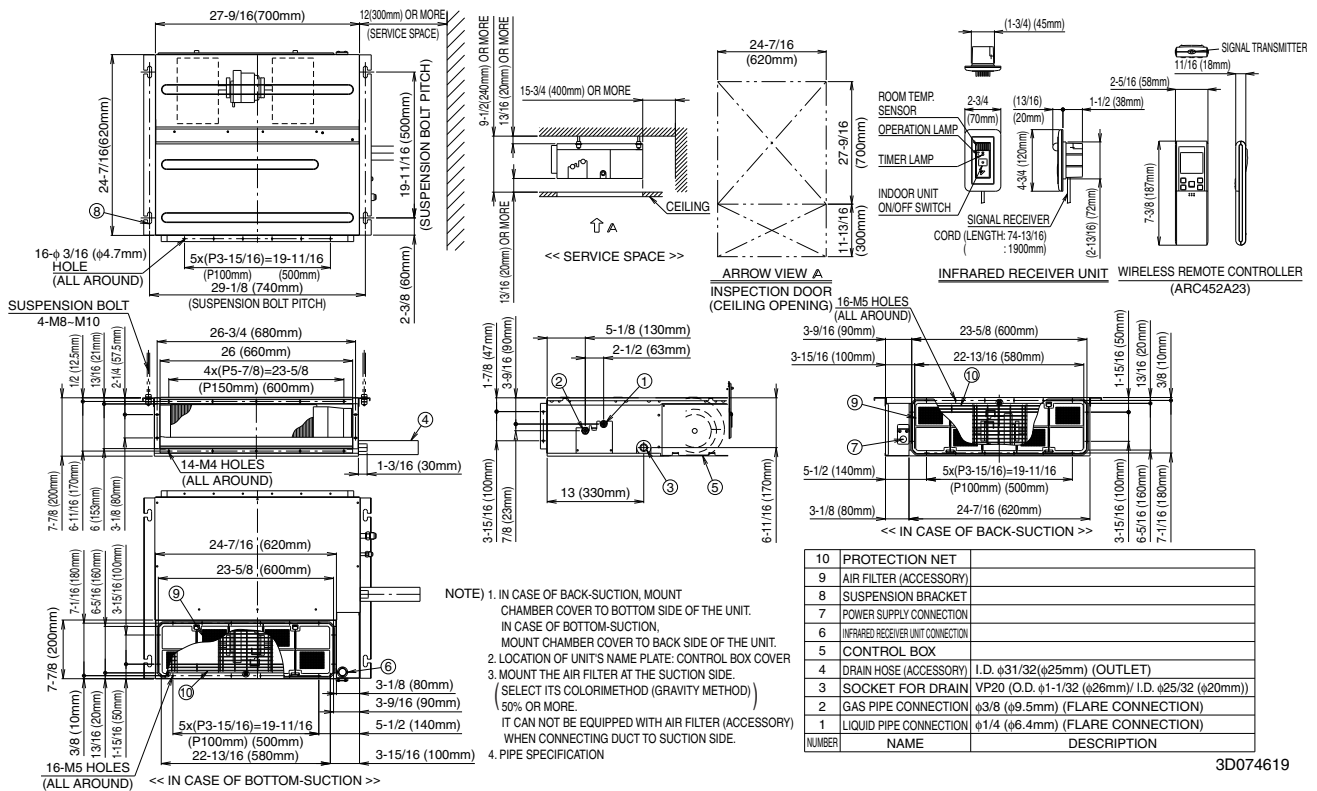




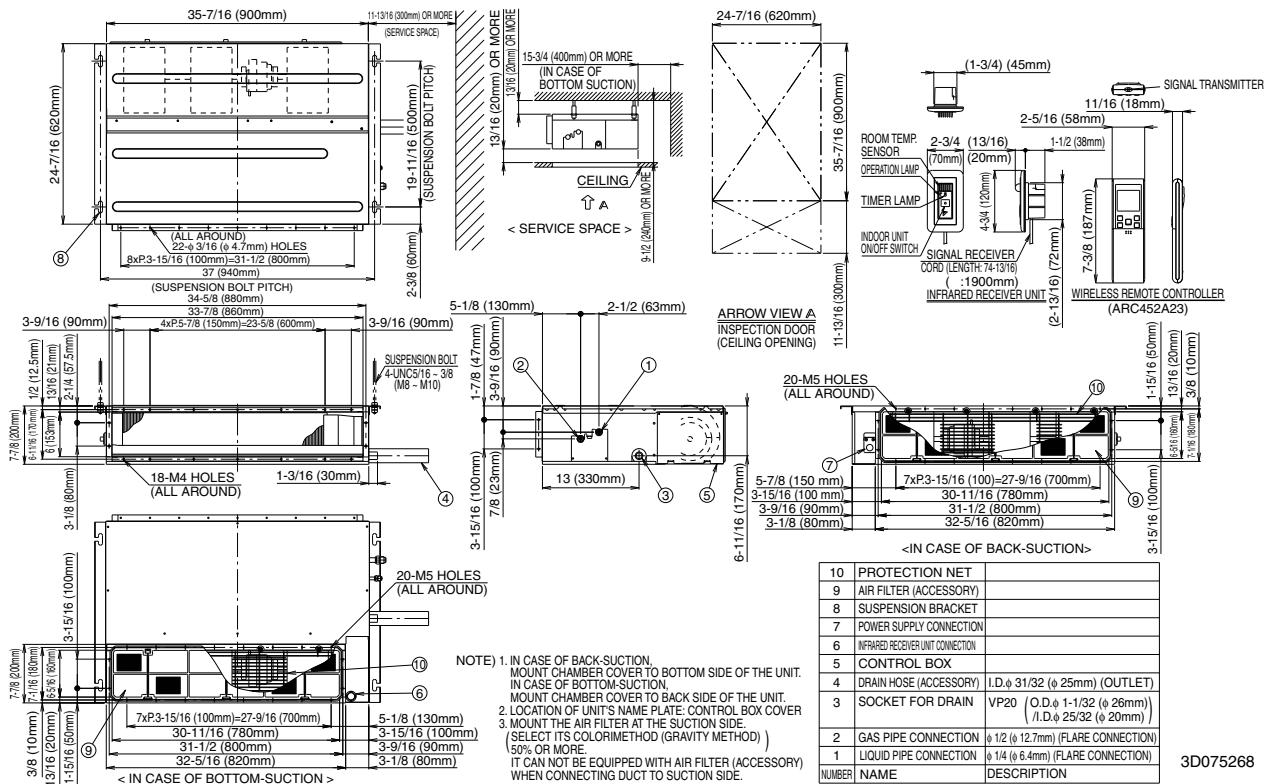
FTXS15/18LVJU



FDXS09/12LVJU

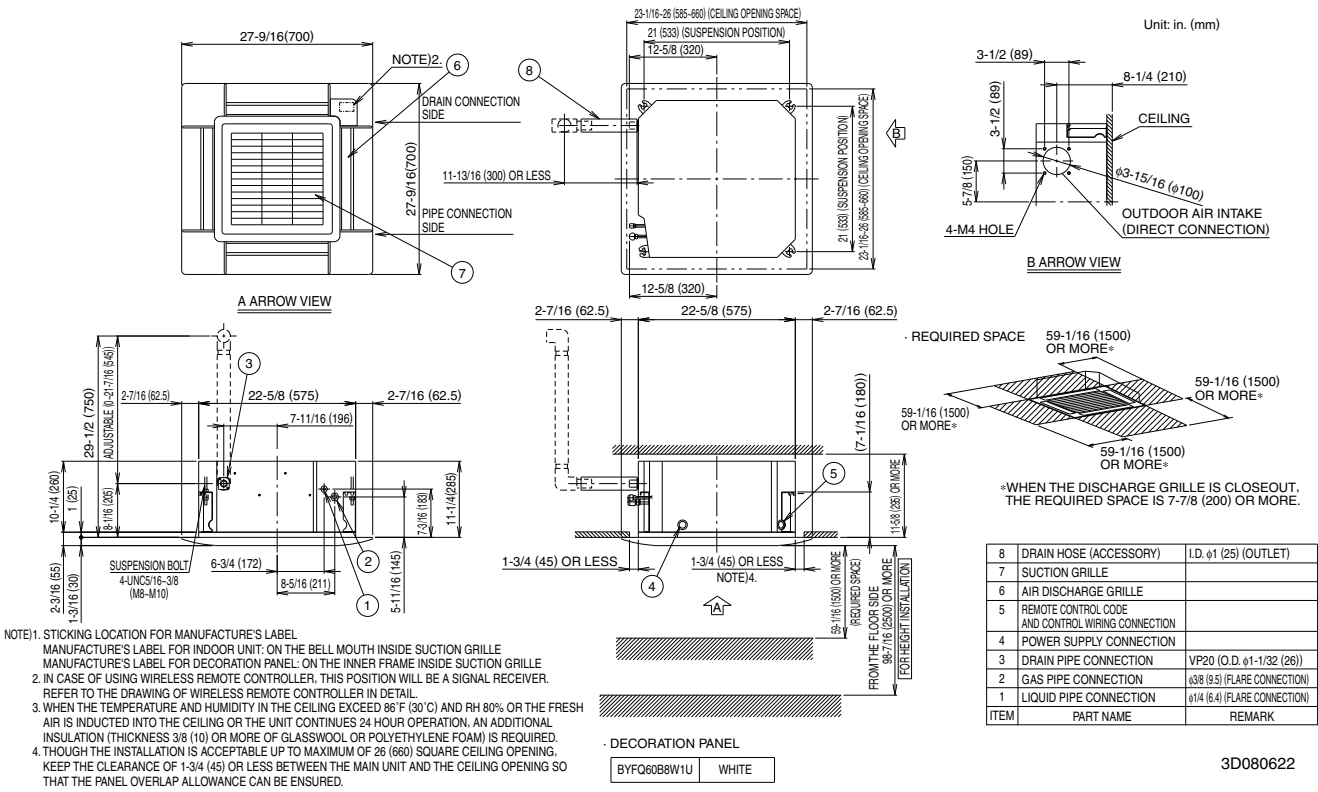


CDXS15/18LVJU



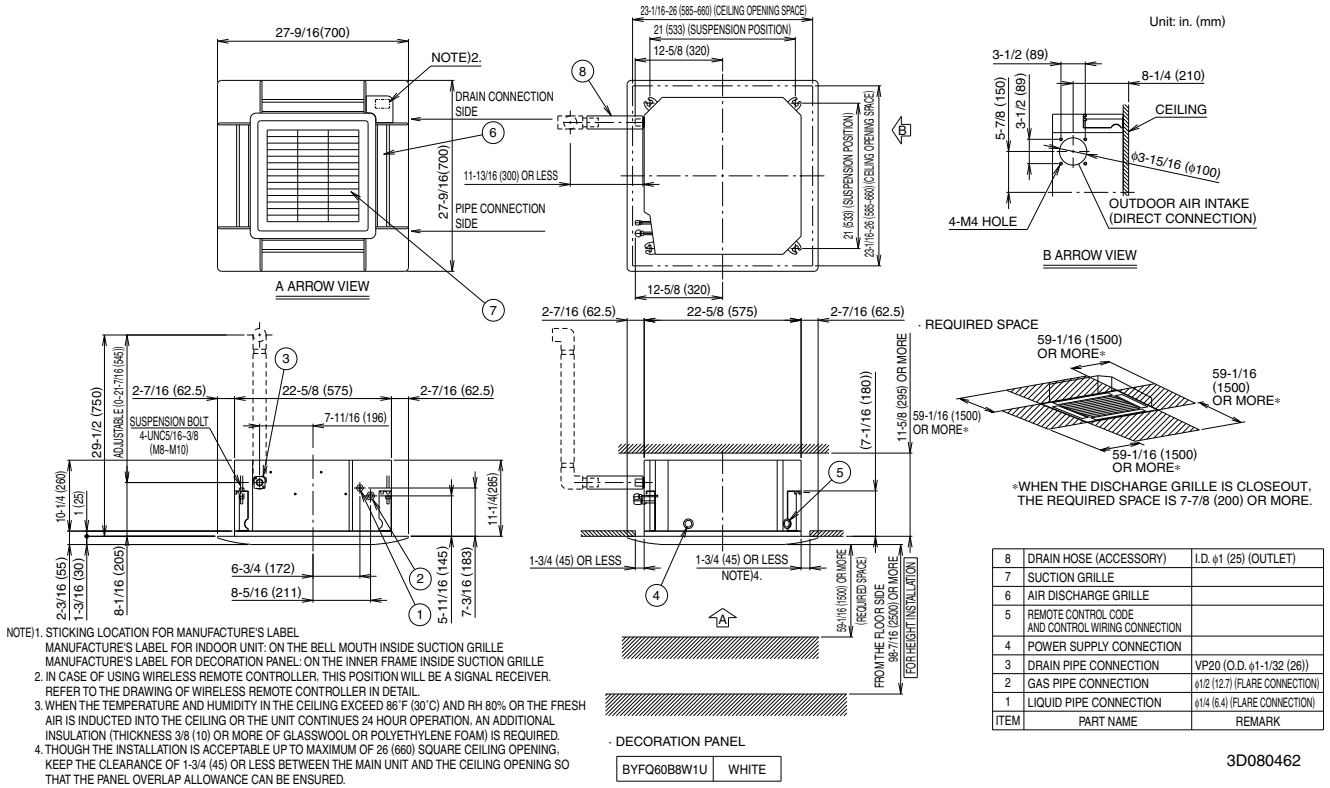
3D075268

FFQ09/12LVJU with BYFQ60B8W1U (Decoration Panel)

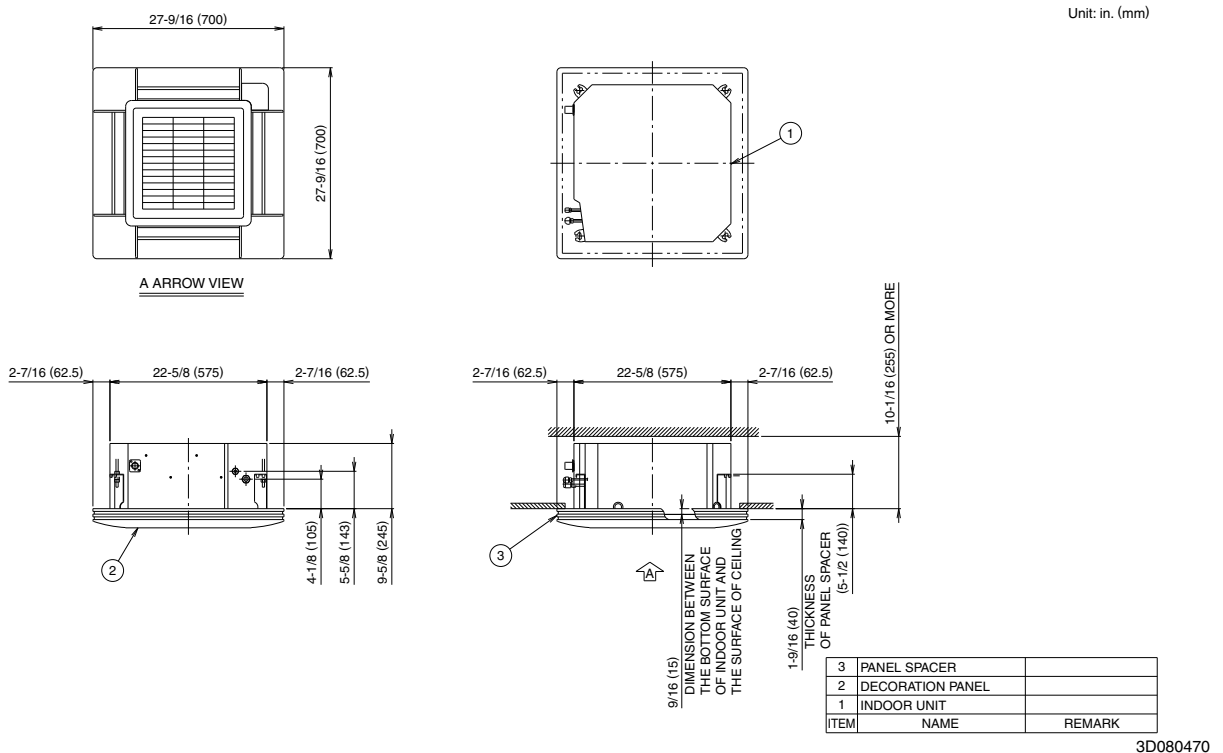


3D080622

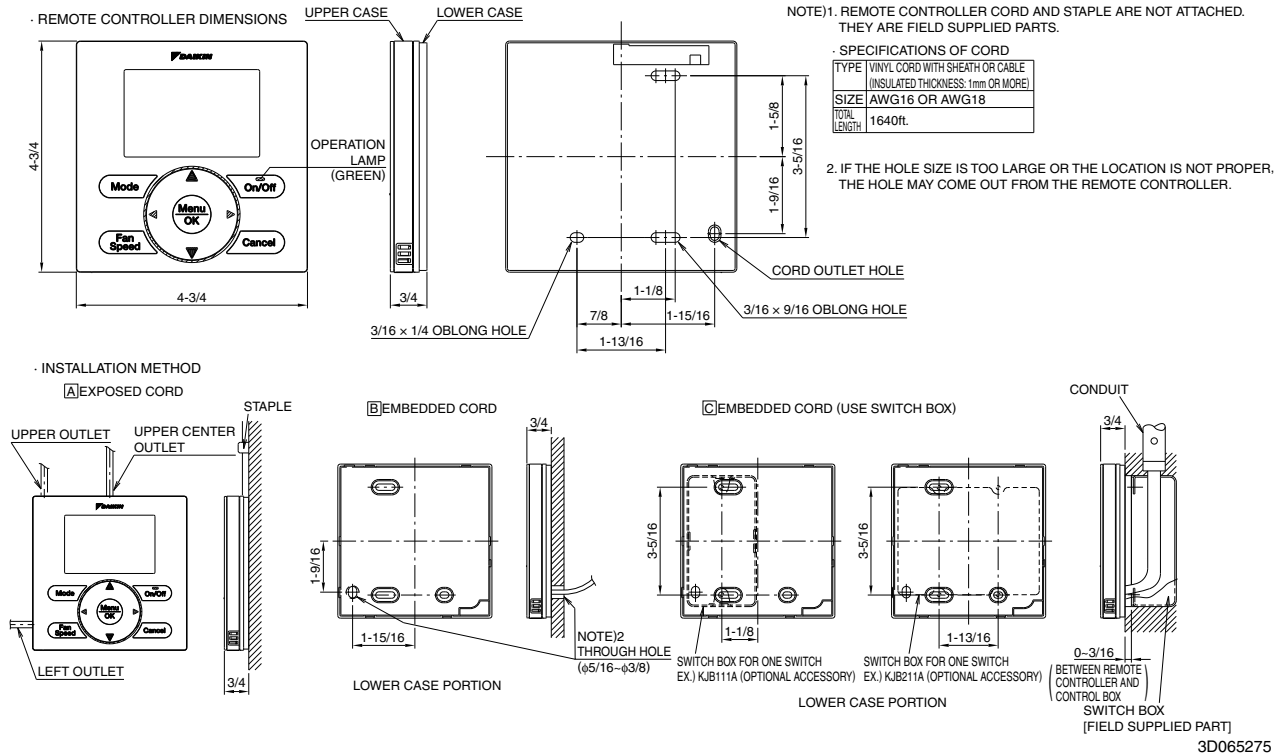
FFQ15/18LVJU with BYFQ60B8W1U (Decoration Panel)



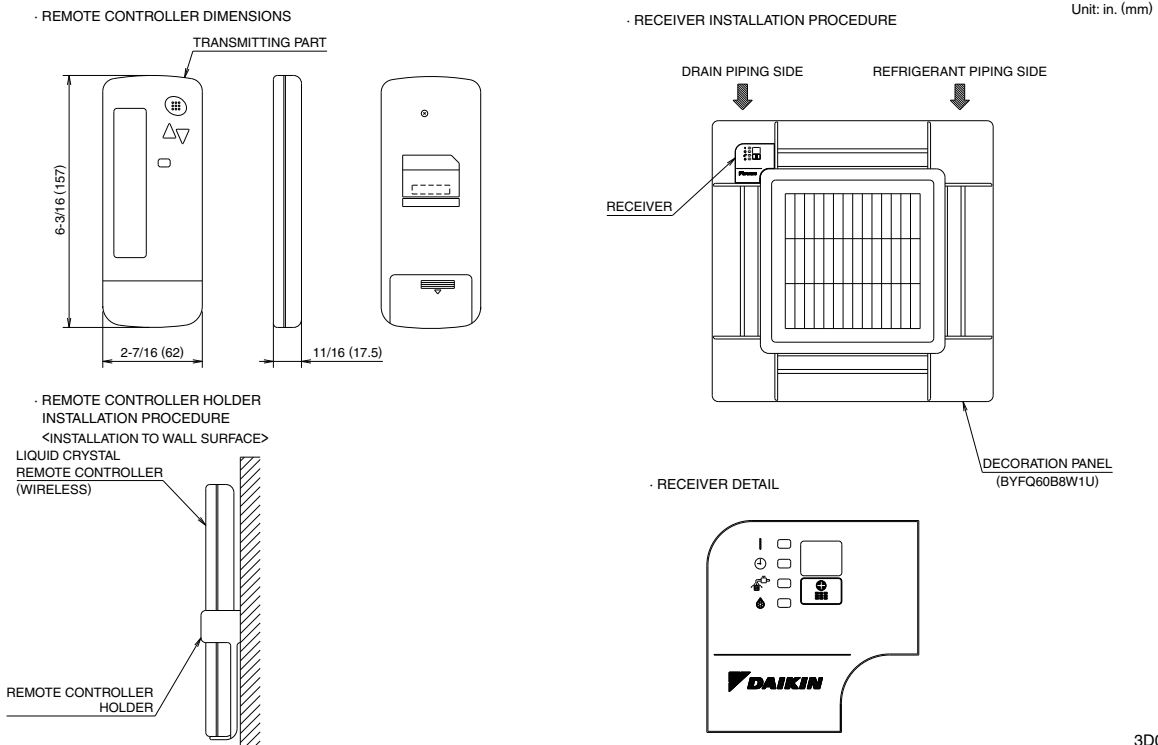
BYFQ60B8W1U — Decoration Panel (Option) —



**BRC1E72 — Wired Remote Controller (Option) —**

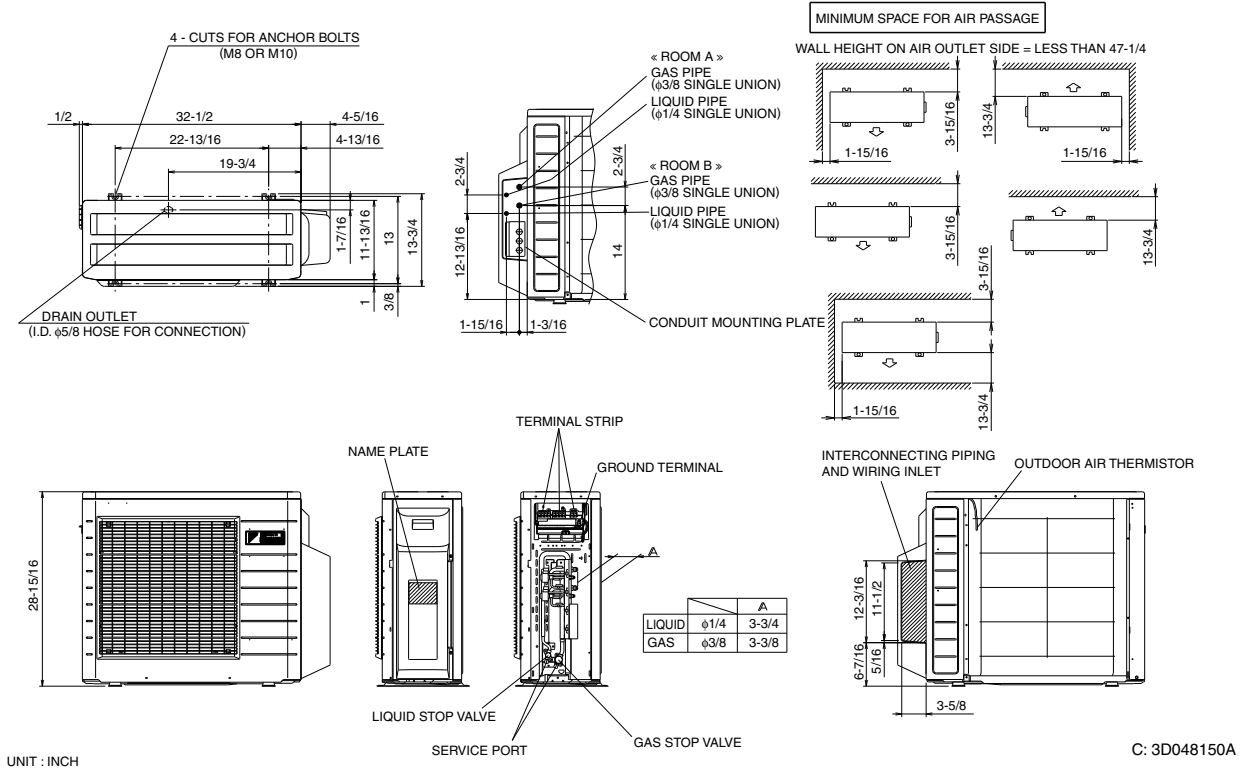


**BRC7E830 — Wireless Remote Controller (Option) —**

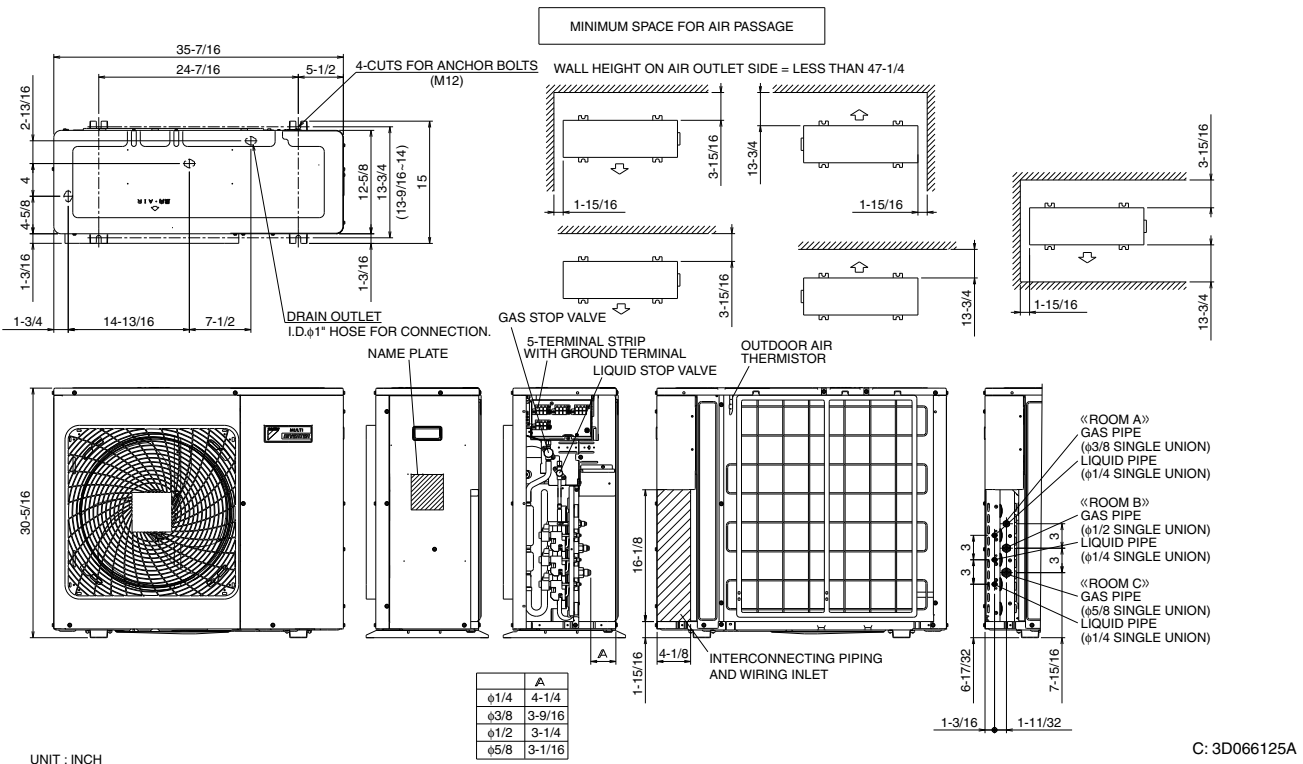


## 4.2 Outdoor Unit

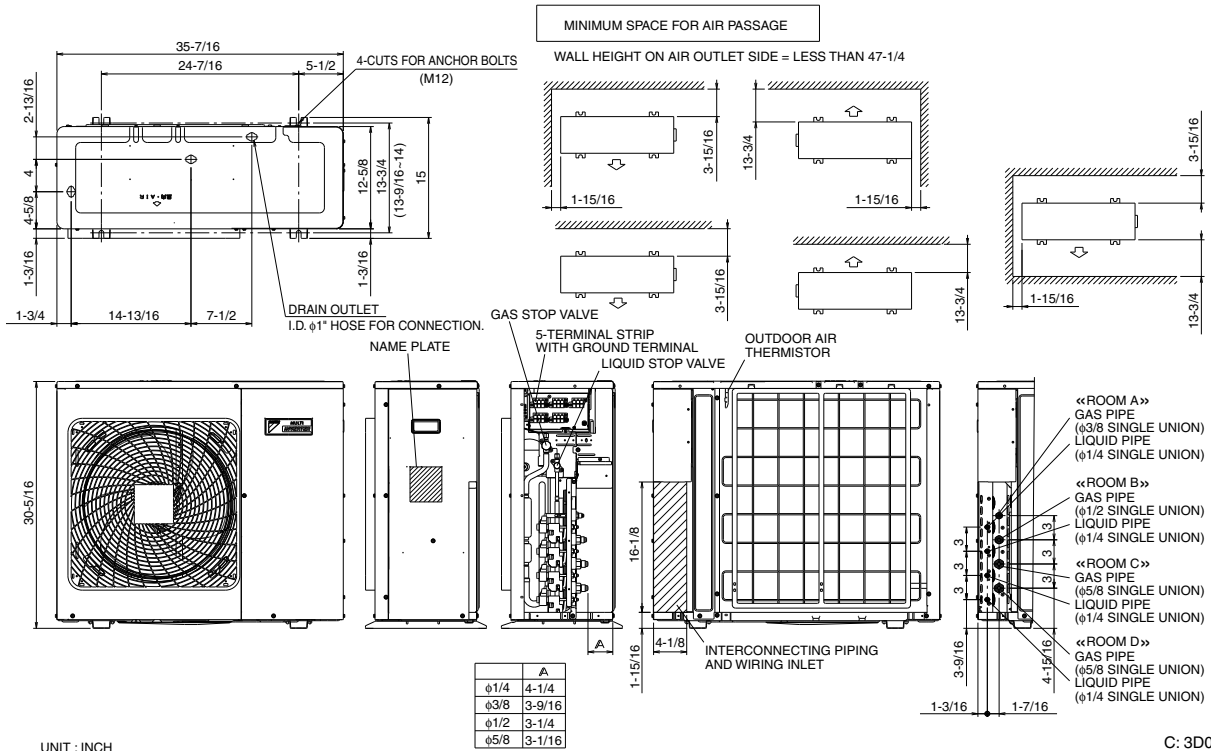
### 2MXS18GVJU



### 3MXS24JVJU



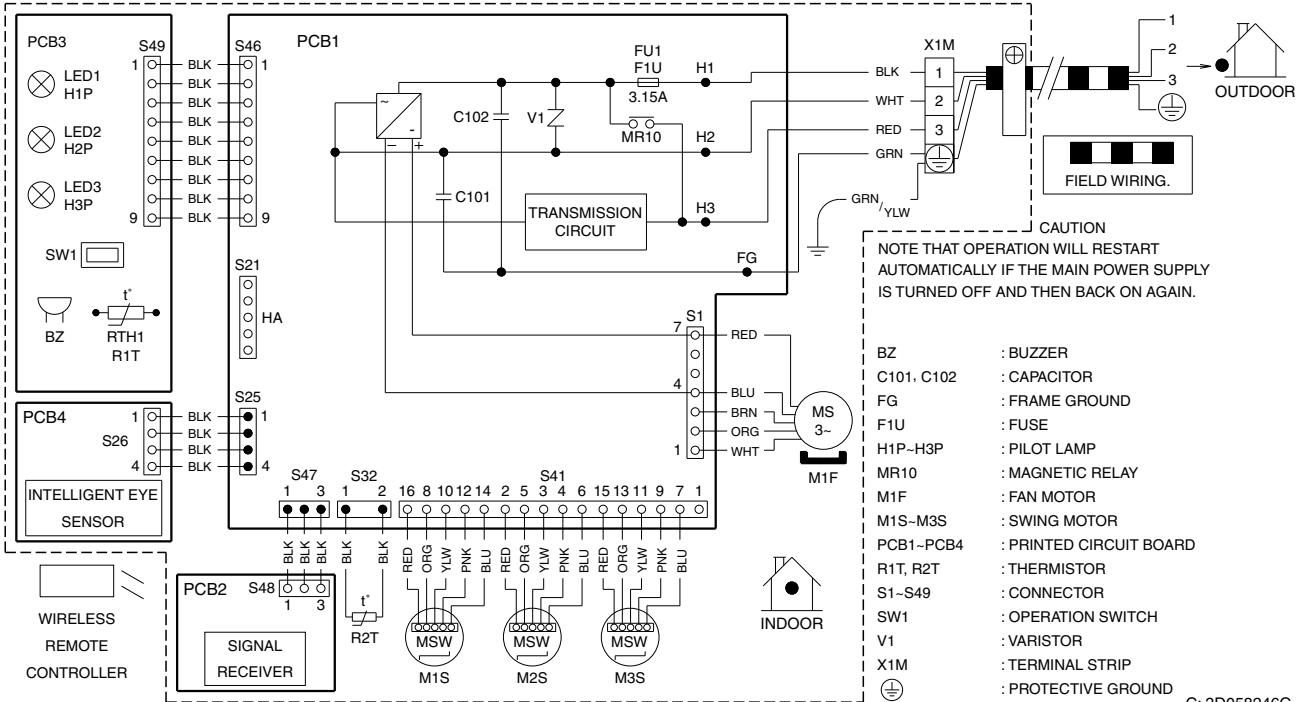
4MXS32GVJU



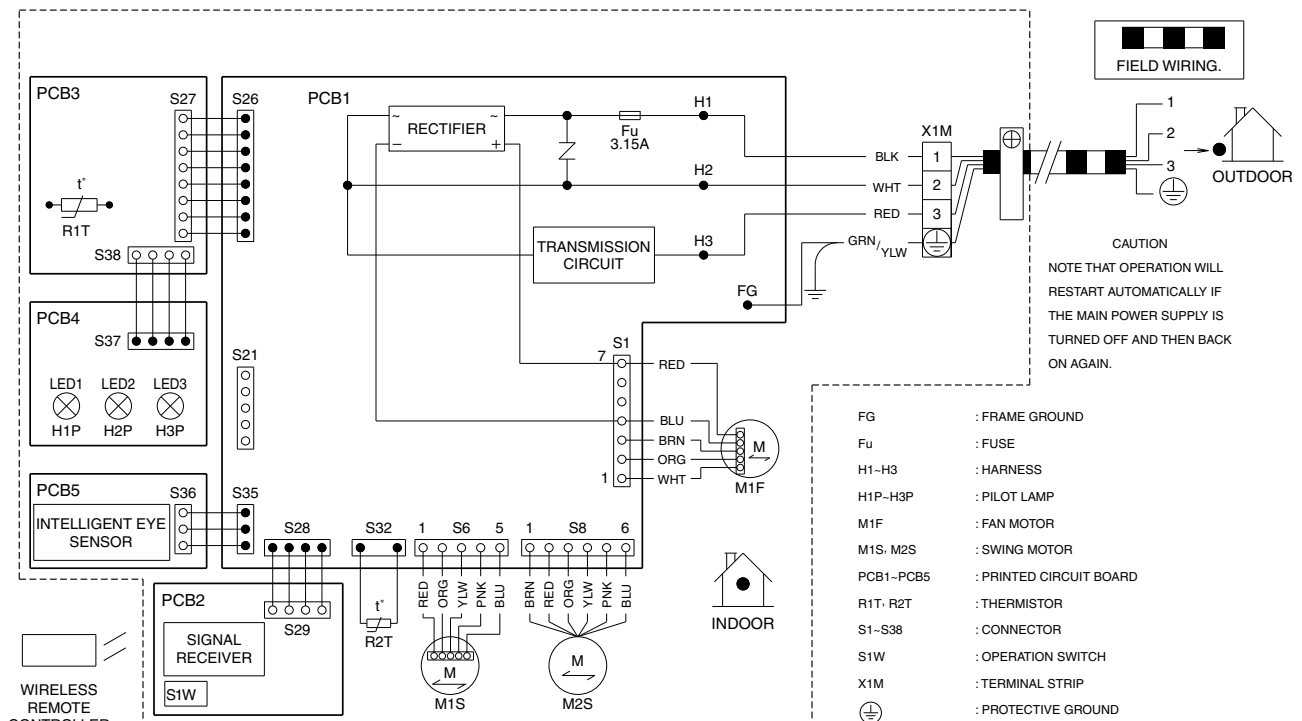
# 5. Wiring Diagrams

## 5.1 Indoor Unit

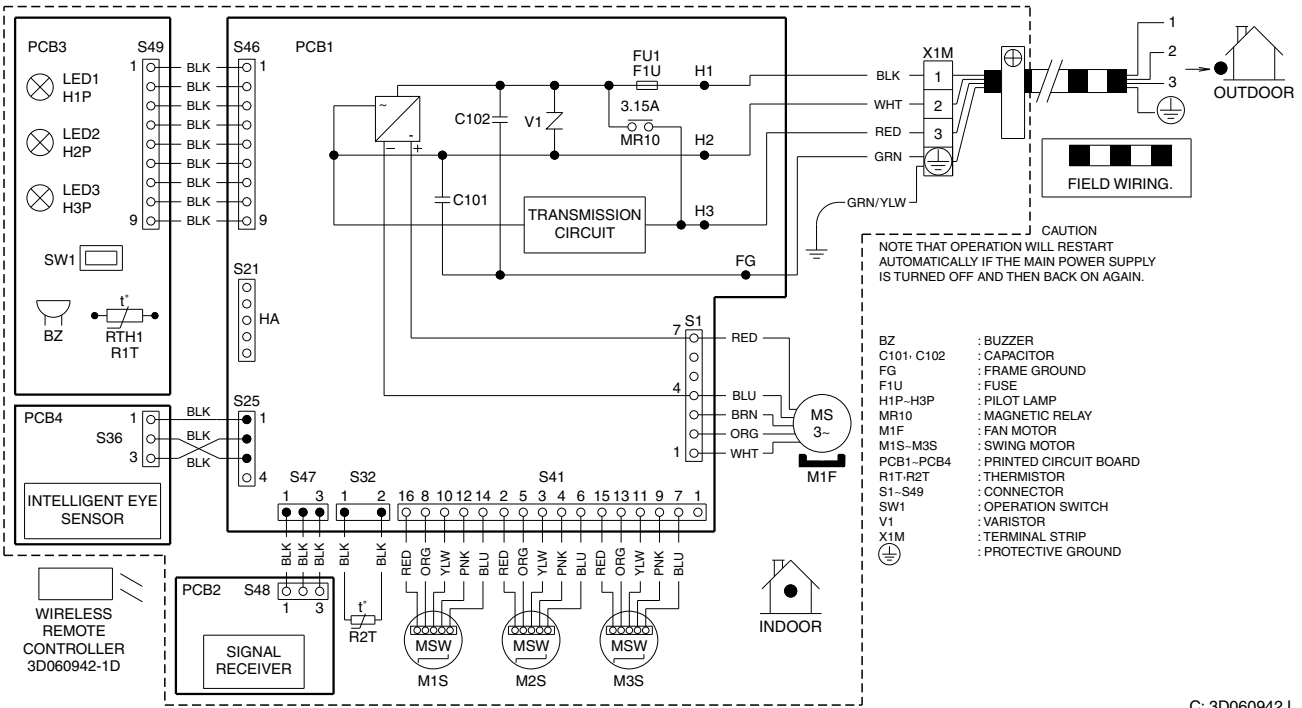
### CTXS07LVJU



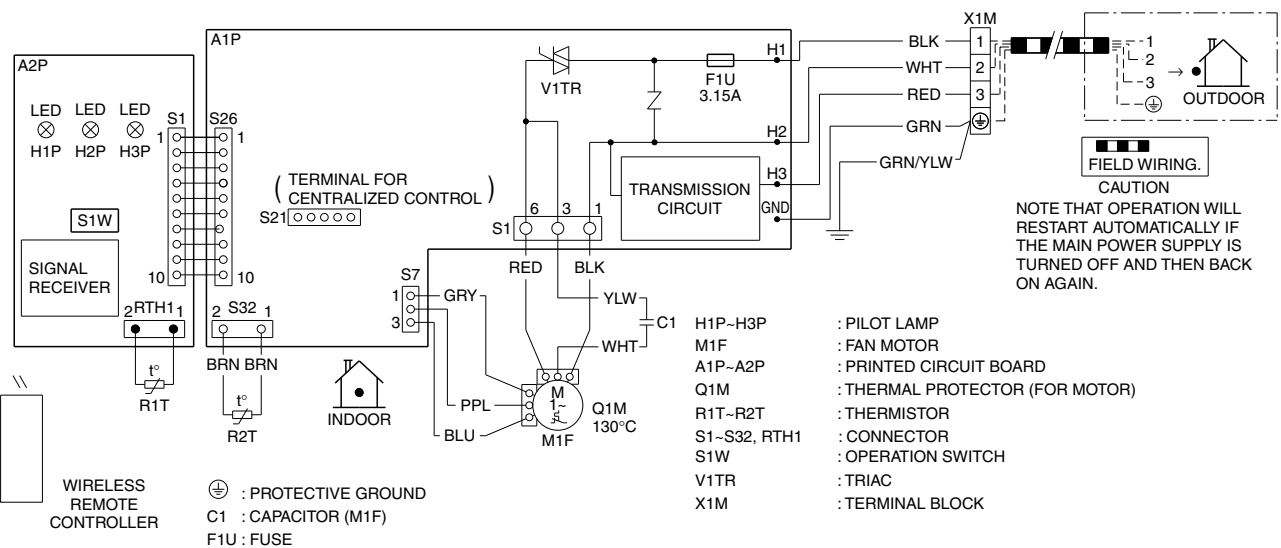
### CTXS09/12HVJU



FTXS15/18LVJU



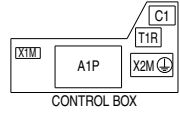
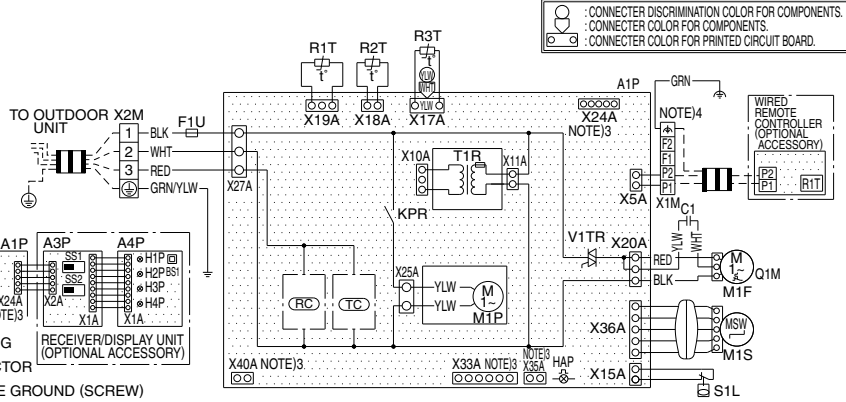
FDXS09/12LVJU, CDXS15/18LVJU





FFQ09/12/15/18LVJU

A1P	PRINTED CIRCUIT BOARD	H1P	PILOT LAMP (ON-RED)
C1	CAPACITOR (M1F)	H2P	PILOT LAMP (TIMER-GREEN)
F1U	FUSE (F. 5A, 250V)	H3P	PILOT LAMP (FILTER SIGN-RED)
HAP	PILOT LAMP (SERVICE MONITOR GREEN)	H4P	PILOT LAMP (DEFROST-ORANGE)
KPR	MAGNETIC RELAY (M1P)	SS1	SELECTOR SWITCH (MAIN/SUB)
M1F	FAN MOTOR	SS2	SELECTOR SWITCH (WIRELESS ADDRESS SET)
M1P	DRAIN PUMP MOTOR	X24A	CONNECTOR (WIRELESS REMOTE CONTROLLER)
M1S	SWING LOUVER MOTOR	X33A	CONNECTOR (ADAPTOR FOR WIRING)
Q1M	THERMAL PROTECTOR FOR MOTOR	X35A	CONNECTOR (GROUP CONTROL ADAPTOR)
R1T	THERMISTOR (AIR)	X40A	CONNECTOR (ON/OFF INPUT FROM OUTSIDE)
R2T	THERMISTOR (COIL-1)		
R3T	THERMISTOR (COIL-2)		
S1L	FLOAT SWITCH		
T1R	TRANSFORMER (208-230V/25V)		
V1TR	TRIAC		
X1M	TERMINAL BLOCK		
X2M	TERMINAL BLOCK		
(RC)	SIGNAL RECEIVER CIRCUIT		
(TC)	SIGNAL TRANSMISSION CIRCUIT		
WIRED REMOTE CONTROLLER			
R1T	THERMISTOR (AIR)		
WIRED REMOTE CONTROLLER (RECEIVER/DISPLAY UNIT)			
A3P	PRINTED CIRCUIT BOARD		
A4P	PRINTED CIRCUIT BOARD		
BS1	PUSH BUTTON SWITCH (ON/OFF)		



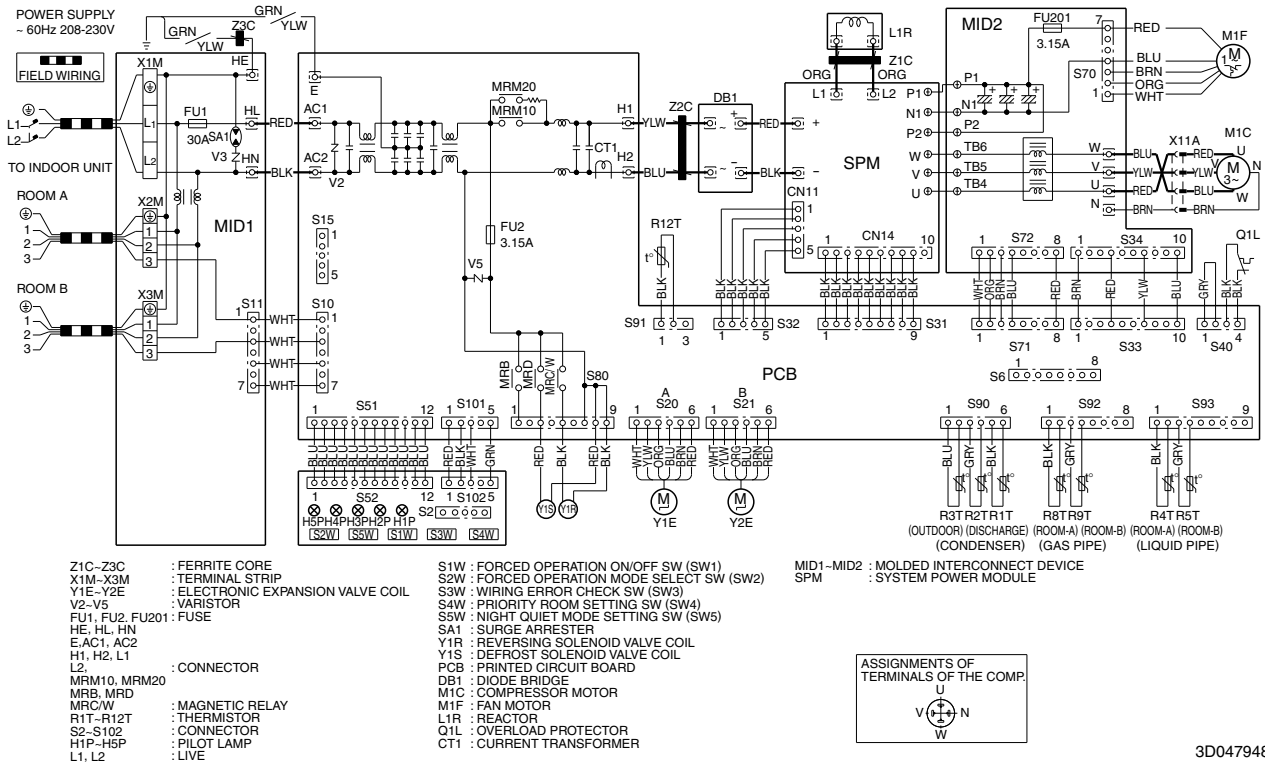
NOTES)

- □ □ : TERMINAL
  - || — : FIELD WIRING
  - ⊗, ⊙ : CONNECTOR
  - ⊕ : PROTECTIVE GROUND (SCREW)
  - ⚡ : NOISELESS GROUND
- IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTALLATION MANUAL.
- X24A, X33A, X35A AND X40A ARE CONNECTED WHEN THE OPTIONAL ACCESSORIES ARE USED.
- GROUND THE SHIELD OF THE REMOTE CONTROLLER CORD TO THE INDOOR UNIT (IN CASE OF USING SHIELD WIRE).
- SYMBOLS SHOW AS FOLLOWS: RED: RED BLK: BLACK WHT: WHITE YLW: YELLOW GRN: GREEN BLU: BLUE

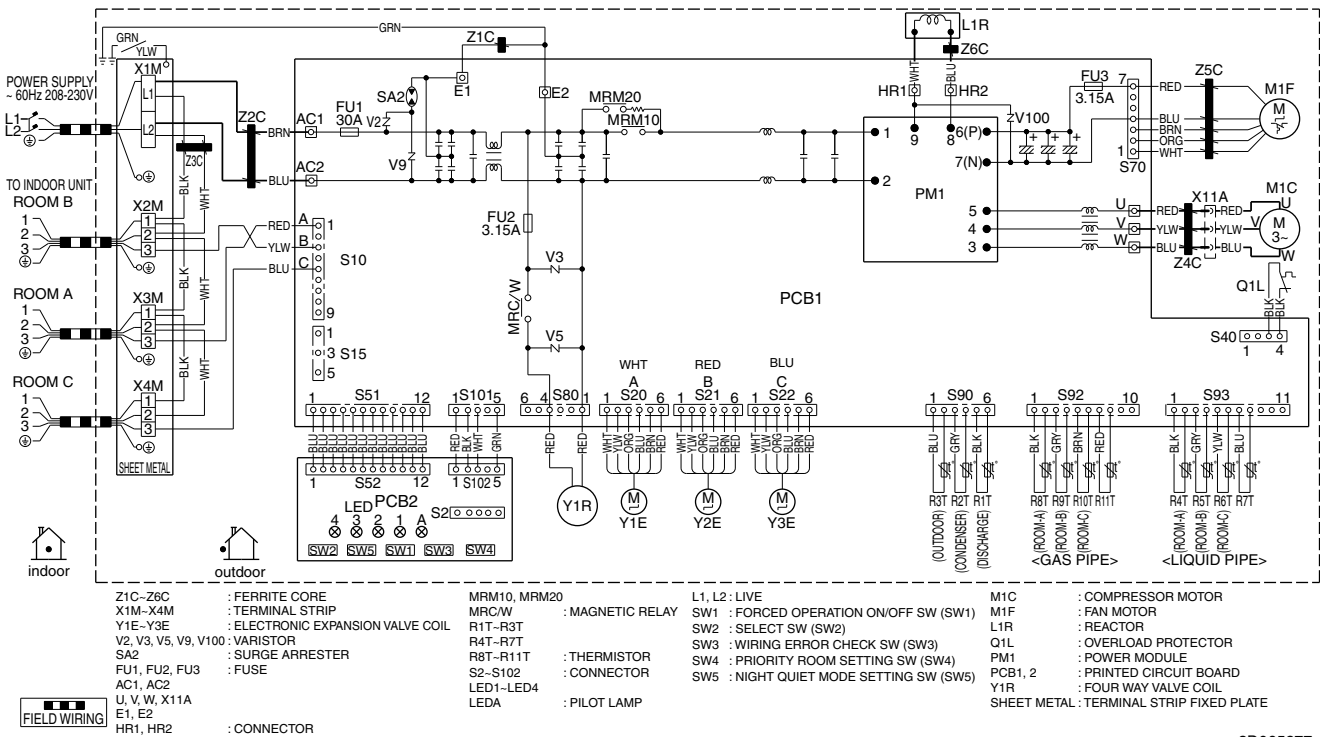
C: 3D080351A

5.2 Outdoor Unit

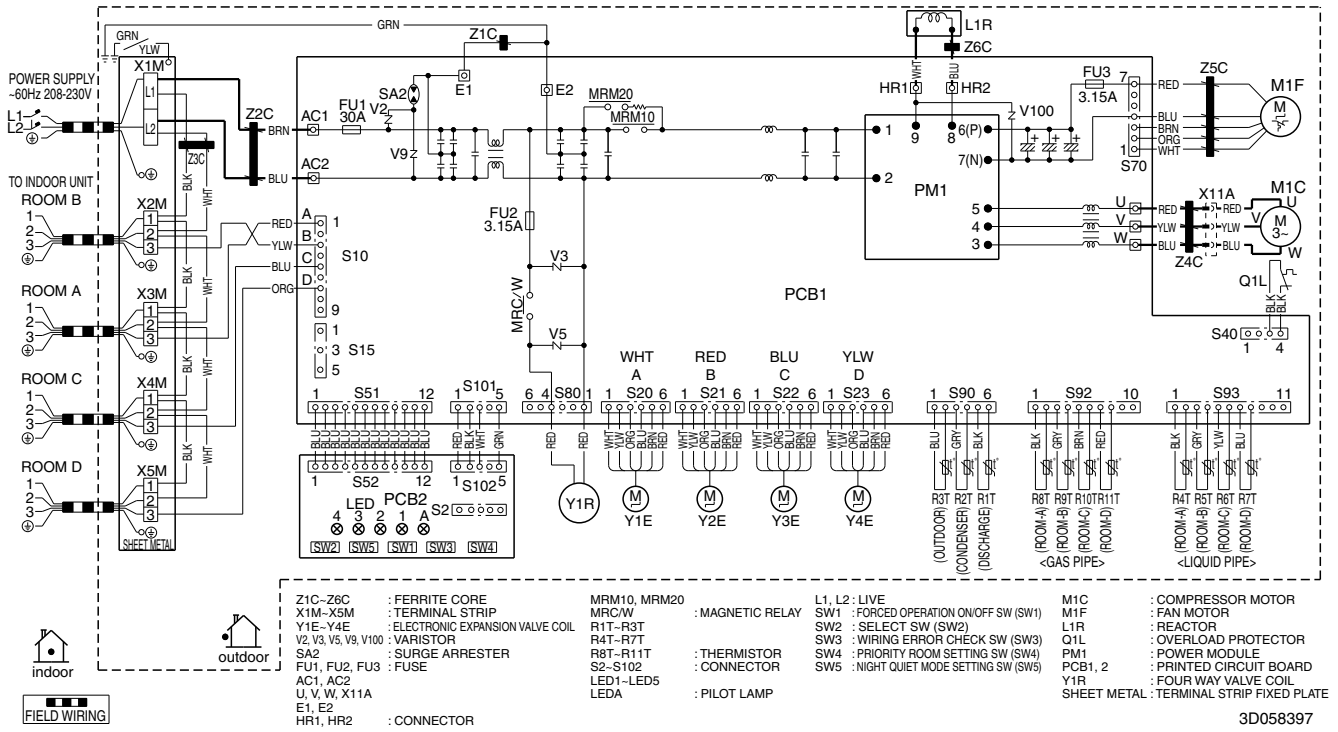
2MXS18GVJU



3MXS24JVJU



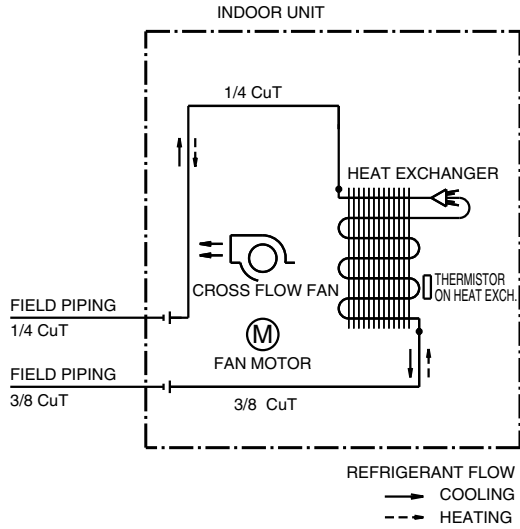
4MXS32GVJU



# 6. Piping Diagrams

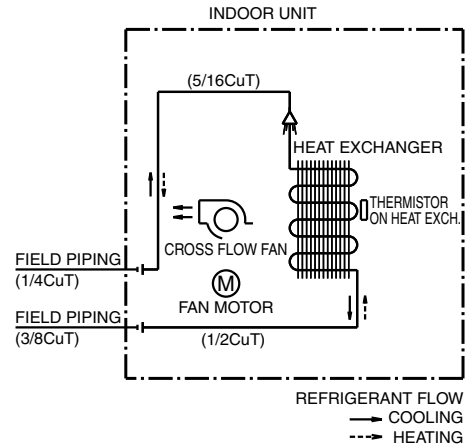
## 6.1 Indoor Unit

CTXS07LVJU



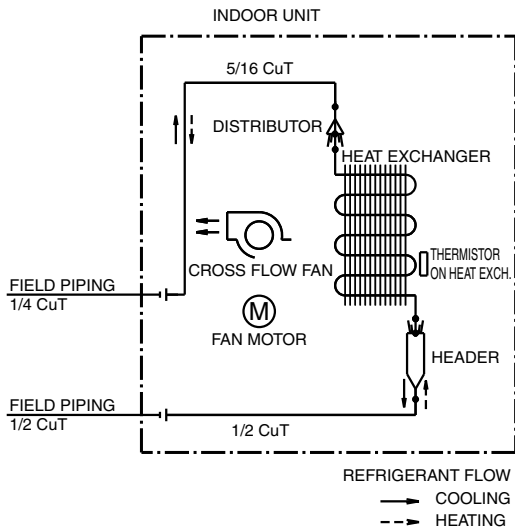
4D074606

CTXS09/12HVJU



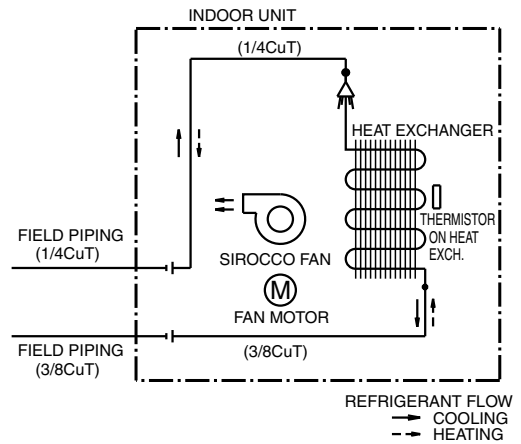
4D048251C

FTXS15/18LVJU



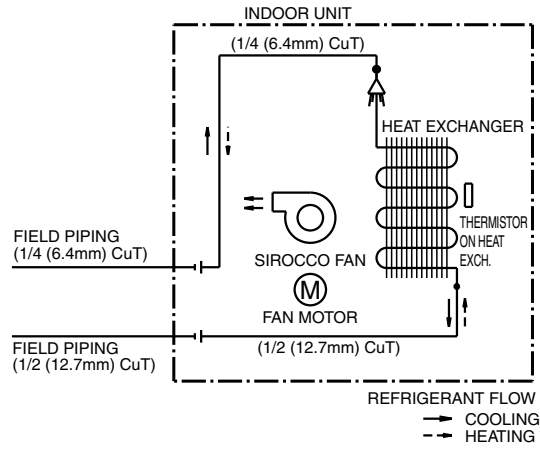
4D074609

FDXS09/12LVJU



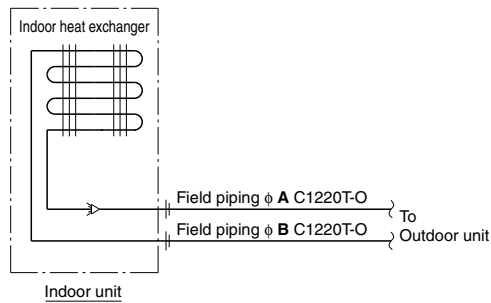
4D074621

CDXS15/18LVJU



4D075271

FFQ09/12/15/18LVJU

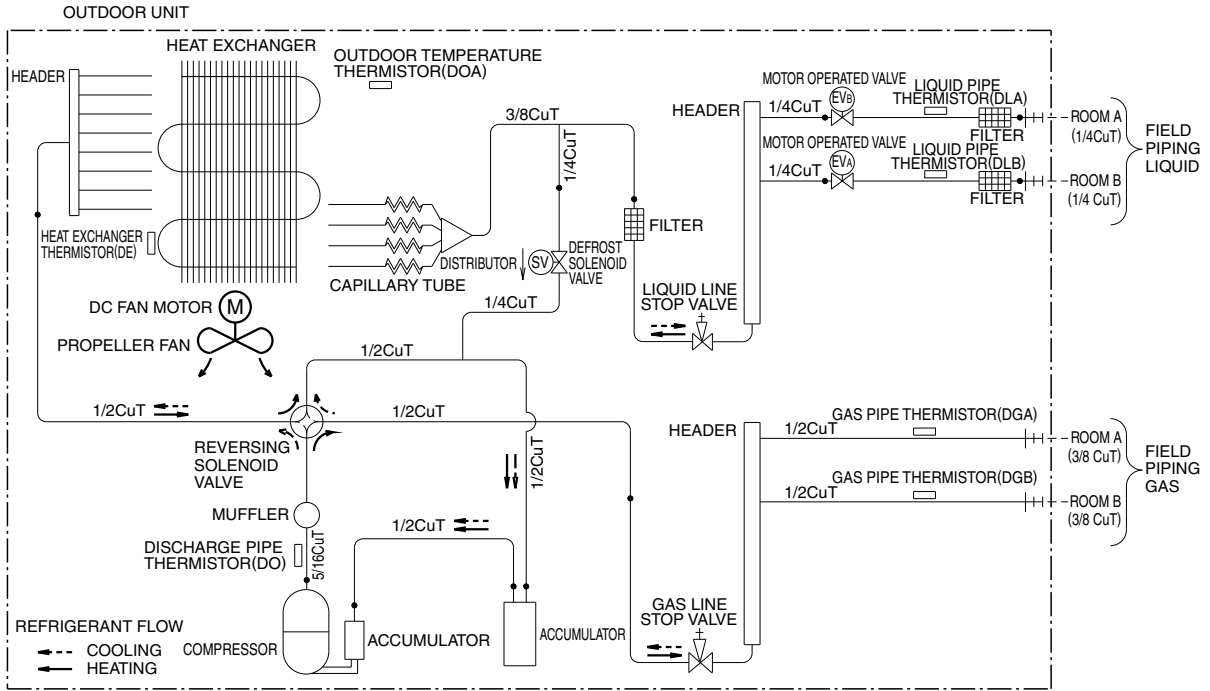


MODEL	A	B
FFQ09 · 12LVJU	1/4 (6.4)	3/8 (9.5)
FFQ15 · 18LVJU	1/4 (6.4)	1/2 (12.7)

4D080624

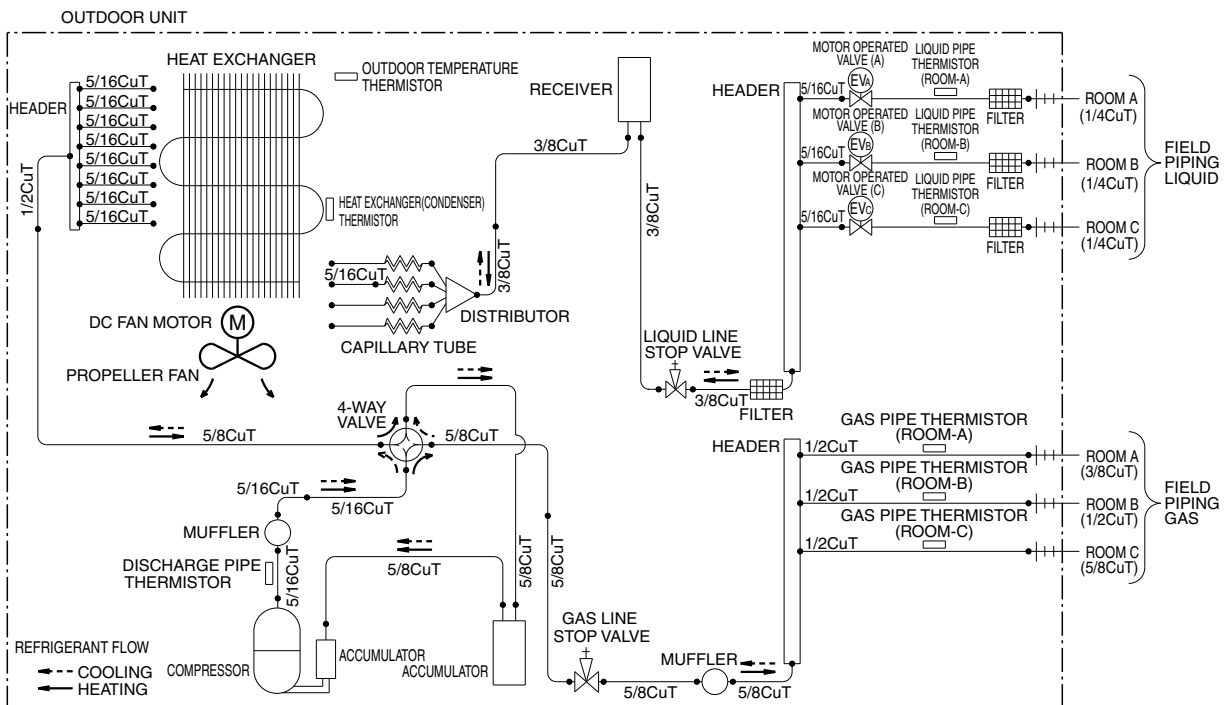
6.2 Outdoor Unit

2MXS18GVJU



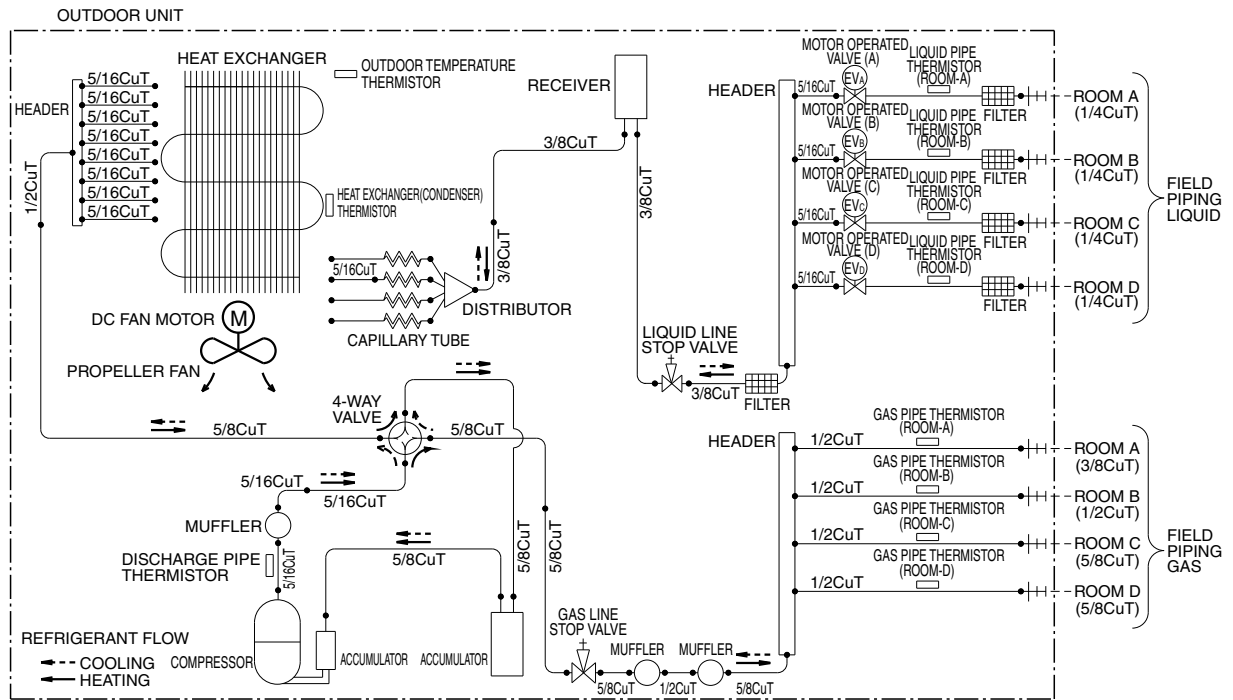
3D048177A

3MXS24JVJU



3D066157

4MXS32GVJU



3D058508

# 7. Capacity Tables

## 7.1 2MXS18GVJU

1

### Cooling [60 Hz, 208 - 230 V]

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	68.0	7.71	0.45	8.06	0.46	8.41	0.47	8.66	0.47	9.11	0.48	9.46	0.52
	77.0	7.35	0.47	7.70	0.48	8.05	0.49	8.31	0.50	8.76	0.51	9.11	0.52
	86.0	7.00	0.50	7.35	0.51	7.70	0.52	7.95	0.53	8.40	0.54	8.75	0.55
	89.6	6.86	0.52	7.21	0.53	7.56	0.53	7.81	0.54	8.26	0.55	8.61	0.56
	95.0	6.65	0.54	7.00	0.55	7.35	0.55	7.60	0.56	8.05	0.57	8.40	0.58
	104.0	6.29	0.57	6.64	0.58	6.99	0.59	7.25	0.59	7.69	0.61	8.04	0.62
	109.4	6.08	0.59	6.43	0.60	6.78	0.61	7.03	0.62	7.48	0.63	7.83	0.64
	114.8	5.87	0.62	6.22	0.62	6.57	0.63	6.82	0.64	7.27	0.65	7.62	0.66
CTXS09H	68.0	9.43	0.62	9.86	0.64	10.29	0.65	10.60	0.66	11.15	0.67	11.58	0.72
	77.0	9.00	0.66	9.43	0.67	9.86	0.69	10.17	0.70	10.71	0.71	11.14	0.72
	86.0	8.57	0.70	9.00	0.71	9.42	0.73	9.73	0.74	10.28	0.75	10.71	0.76
	89.6	8.39	0.72	8.82	0.73	9.25	0.74	9.56	0.75	10.11	0.77	10.54	0.78
	95.0	8.13	0.75	8.56	0.76	8.99	0.77	9.30	0.78	9.85	0.80	10.28	0.81
	104.0	7.70	0.79	8.13	0.81	8.56	0.82	8.87	0.83	9.41	0.84	9.84	0.86
	109.4	7.44	0.83	7.87	0.84	8.30	0.85	8.61	0.86	9.15	0.88	9.58	0.89
	114.8	7.18	0.86	7.61	0.87	8.04	0.88	8.35	0.89	8.89	0.91	9.32	0.92
FDXS09L	68.0	8.11	0.66	8.48	0.68	8.85	0.69	9.12	0.70	9.59	0.72	9.96	0.77
	77.0	7.74	0.70	8.11	0.72	8.48	0.73	8.75	0.74	9.22	0.76	9.58	0.77
	86.0	7.37	0.75	7.74	0.76	8.11	0.77	8.37	0.78	8.84	0.80	9.21	0.81
	89.6	7.22	0.77	7.59	0.78	7.96	0.79	8.22	0.80	8.69	0.82	9.06	0.83
	95.0	7.00	0.79	7.37	0.81	7.73	0.82	8.00	0.83	8.47	0.85	8.84	0.86
	104.0	6.62	0.85	6.99	0.86	7.36	0.87	7.63	0.88	8.10	0.90	8.47	0.91
	109.4	6.40	0.88	6.77	0.89	7.14	0.90	7.40	0.91	7.87	0.93	8.24	0.94
	114.8	6.18	0.91	6.55	0.92	6.91	0.94	7.18	0.95	7.65	0.96	8.02	0.98
CTXS07L + CTXS07L	68.0	15.21	0.82	15.91	0.83	16.60	0.85	17.10	0.86	17.98	0.93	18.67	0.95
	77.0	14.52	0.86	15.21	0.88	15.90	0.90	16.40	0.91	17.28	0.93	17.97	0.95
	86.0	13.82	0.92	14.51	0.93	15.20	0.95	15.70	0.96	16.58	0.98	17.27	1.00
	89.6	13.54	0.94	14.23	0.96	14.92	0.97	15.42	0.99	16.30	1.01	16.99	1.02
	95.0	13.12	0.98	13.81	0.99	14.50	1.01	15.00	1.02	15.88	1.04	16.57	1.06
	104.0	12.42	1.04	13.11	1.06	13.80	1.07	14.30	1.08	15.18	1.10	15.88	1.12
	109.4	12.00	1.08	12.69	1.10	13.38	1.11	13.88	1.12	14.77	1.14	15.46	1.16
	114.8	11.58	1.12	12.27	1.14	12.96	1.15	13.46	1.16	14.35	1.19	15.04	1.20
CTXS07L + CTXS09H	68.0	17.24	1.02	18.03	1.04	18.81	1.06	19.37	1.08	20.38	1.11	21.16	1.19
	77.0	16.45	1.09	17.23	1.11	18.02	1.13	18.58	1.14	19.58	1.17	20.37	1.19
	86.0	15.66	1.15	16.44	1.17	17.23	1.19	17.79	1.21	18.79	1.23	19.58	1.25
	89.6	15.34	1.18	16.13	1.20	16.91	1.22	17.47	1.24	18.48	1.26	19.26	1.28
	95.0	14.87	1.23	15.65	1.25	16.43	1.27	17.00	1.28	18.00	1.31	18.78	1.33
	104.0	14.08	1.30	14.86	1.32	15.64	1.35	16.21	1.36	17.21	1.39	17.99	1.41
	109.4	13.60	1.35	14.38	1.37	15.17	1.39	15.73	1.41	16.73	1.44	17.52	1.46
	114.8	13.13	1.41	13.91	1.43	14.69	1.45	15.26	1.46	16.26	1.49	17.04	1.51



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L	68.0	15.72	1.06	16.44	1.08	17.15	1.11	17.67	1.12	18.58	1.15	19.29	1.23
	77.0	15.00	1.13	15.71	1.15	16.43	1.17	16.94	1.19	17.86	1.21	18.57	1.23
	86.0	14.28	1.20	14.99	1.22	15.71	1.24	16.22	1.26	17.13	1.28	17.85	1.30
	89.6	13.99	1.23	14.70	1.25	15.42	1.27	15.93	1.29	16.85	1.31	17.56	1.33
	95.0	13.56	1.27	14.27	1.29	14.98	1.32	15.50	1.33	16.41	1.36	17.13	1.38
	104.0	12.83	1.36	13.55	1.38	14.26	1.40	14.78	1.41	15.69	1.44	16.40	1.46
	109.4	12.40	1.41	13.12	1.43	13.83	1.45	14.35	1.46	15.26	1.49	15.97	1.51
CTXS09H + CTXS09H	68.0	19.27	1.36	20.15	1.39	21.02	1.41	21.65	1.43	22.77	1.47	23.65	1.58
	77.0	18.39	1.44	19.26	1.47	20.14	1.50	20.77	1.52	21.89	1.55	22.76	1.58
	86.0	17.50	1.53	18.38	1.56	19.25	1.59	19.88	1.60	21.00	1.64	21.88	1.67
	89.6	17.15	1.57	18.02	1.60	18.90	1.62	19.53	1.64	20.65	1.68	21.52	1.70
	95.0	16.62	1.63	17.49	1.65	18.37	1.68	19.00	1.70	20.12	1.74	20.99	1.76
	104.0	15.73	1.73	16.61	1.76	17.48	1.79	18.12	1.81	19.23	1.84	20.11	1.87
	109.4	15.20	1.80	16.08	1.83	16.95	1.85	17.58	1.87	18.70	1.91	19.58	1.93
CTXS09H + FDXS09L	68.0	17.75	1.40	18.56	1.43	19.36	1.46	19.94	1.48	20.97	1.51	21.78	1.62
	77.0	16.93	1.48	17.74	1.51	18.55	1.54	19.13	1.56	20.16	1.60	20.97	1.62
	86.0	16.12	1.58	16.93	1.60	17.73	1.63	18.31	1.65	19.35	1.69	20.15	1.72
	89.6	15.79	1.61	16.60	1.64	17.41	1.67	17.99	1.69	19.02	1.73	19.83	1.75
	95.0	15.31	1.68	16.11	1.70	16.92	1.73	17.50	1.75	18.53	1.79	19.34	1.82
	104.0	14.49	1.78	15.30	1.81	16.10	1.84	16.69	1.86	17.72	1.90	18.52	1.92
	109.4	14.00	1.85	14.81	1.88	15.61	1.91	16.20	1.93	17.23	1.96	18.03	1.99
FDXS09L + FDXS09L	68.0	16.33	1.44	17.07	1.47	17.81	1.50	18.35	1.52	19.30	1.55	20.04	1.67
	77.0	15.58	1.53	16.32	1.55	17.06	1.58	17.60	1.60	18.55	1.64	19.29	1.67
	86.0	14.83	1.62	15.57	1.65	16.31	1.68	16.85	1.70	17.80	1.74	18.54	1.76
	89.6	14.53	1.66	15.27	1.69	16.01	1.72	16.55	1.74	17.50	1.78	18.24	1.80
	95.0	14.08	1.72	14.82	1.75	15.56	1.78	16.10	1.80	17.05	1.84	17.79	1.87
	104.0	13.33	1.83	14.07	1.86	14.81	1.89	15.35	1.91	16.30	1.95	17.04	1.98
	109.4	12.88	1.90	13.62	1.93	14.36	1.96	14.90	1.98	15.85	2.02	16.59	2.05
	114.8	12.43	1.98	13.17	2.01	13.92	2.03	14.45	2.06	15.40	2.09	16.14	2.12

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

C: 3D058842B

Heating [60 Hz, 208 - 230 V]

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	60.8	5.16	0.57	6.20	0.60	7.24	0.63	8.28	0.66	9.52	0.69	10.36	0.72	11.39	0.75
	64.4	5.03	0.58	6.07	0.61	7.11	0.64	8.15	0.66	9.40	0.70	10.23	0.72	11.27	0.75
	68.0	4.91	0.58	5.95	0.61	6.99	0.64	8.02	0.67	9.27	0.71	10.10	0.73	11.14	0.76
	70.0	4.84	0.59	5.88	0.62	6.91	0.65	7.95	0.67	9.20	0.71	10.03	0.73	11.07	0.76
	71.6	4.78	0.59	5.82	0.62	6.86	0.65	7.90	0.68	9.14	0.71	9.97	0.74	11.01	0.77
	75.2	4.65	0.60	5.69	0.63	6.73	0.65	7.77	0.68	9.02	0.72	9.85	0.74	10.89	0.77
CTXS09H	60.8	6.62	0.79	7.95	0.83	9.29	0.87	10.62	0.91	12.22	0.96	13.28	0.99	14.61	1.03
	64.4	6.46	0.80	7.79	0.84	9.12	0.88	10.45	0.92	12.05	0.97	13.12	1.00	14.45	1.04
	68.0	6.29	0.81	7.63	0.85	8.96	0.89	10.29	0.93	11.89	0.98	12.96	1.01	14.29	1.05
	70.0	6.20	0.81	7.54	0.85	8.87	0.89	10.20	0.93	11.80	0.98	12.87	1.01	14.20	1.05
	71.6	6.13	0.81	7.46	0.85	8.80	0.90	10.13	0.94	11.73	0.98	12.79	1.02	14.13	1.06
	75.2	5.97	0.82	7.30	0.86	8.63	0.90	9.97	0.94	11.56	0.99	12.63	1.03	13.96	1.07
FDXS09L	60.8	6.45	0.84	7.75	0.89	9.05	0.93	10.35	0.97	11.91	1.03	12.94	1.06	14.24	1.10
	64.4	6.29	0.85	7.59	0.90	8.89	0.94	10.19	0.98	11.75	1.04	12.79	1.07	14.08	1.11
	68.0	6.13	0.86	7.43	0.91	8.73	0.95	10.03	0.99	11.59	1.04	12.63	1.08	13.93	1.12
	70.0	6.05	0.87	7.34	0.91	8.64	0.95	9.94	1.00	11.50	1.05	12.54	1.08	13.84	1.13
	71.6	5.98	0.87	7.27	0.92	8.57	0.96	9.87	1.00	11.43	1.05	12.47	1.09	13.77	1.13
	75.2	5.82	0.88	7.12	0.93	8.41	0.97	9.71	1.01	11.27	1.06	12.31	1.10	13.50	1.13
CTXS07L + CTXS07L	60.8	10.55	1.15	12.67	1.21	14.79	1.27	16.92	1.33	19.46	1.40	21.16	1.44	23.28	1.50
	64.4	10.29	1.16	12.41	1.22	14.53	1.28	16.66	1.34	19.20	1.41	20.90	1.46	23.02	1.52
	68.0	10.03	1.18	12.15	1.23	14.27	1.29	16.40	1.35	18.94	1.42	20.64	1.47	22.77	1.53
	70.0	9.88	1.18	12.01	1.24	14.13	1.30	16.25	1.36	18.80	1.43	20.50	1.48	22.62	1.54
	71.6	9.77	1.19	11.89	1.25	14.01	1.31	16.14	1.37	18.68	1.44	20.38	1.48	22.51	1.54
	75.2	9.51	1.20	11.63	1.26	13.75	1.32	15.88	1.38	18.43	1.45	20.12	1.50	22.25	1.55
CTXS07L + CTXS09H	60.8	12.01	1.37	14.42	1.45	16.84	1.52	19.26	1.59	22.16	1.67	24.09	1.73	26.50	1.80
	64.4	11.71	1.39	14.13	1.46	16.54	1.53	18.96	1.60	21.86	1.69	23.79	1.74	26.21	1.81
	68.0	11.42	1.41	13.83	1.48	16.25	1.55	18.66	1.62	21.56	1.70	23.50	1.76	25.91	1.83
	70.0	11.25	1.41	13.67	1.48	16.08	1.56	18.50	1.63	21.40	1.71	23.33	1.77	25.75	1.84
	71.6	11.12	1.42	13.54	1.49	15.95	1.56	18.37	1.63	21.27	1.72	23.20	1.77	25.62	1.84
	75.2	10.82	1.44	13.24	1.51	15.66	1.58	18.07	1.65	20.97	1.73	22.91	1.79	25.32	1.86
CTXS07L + FDXS09L	60.8	11.78	1.52	14.15	1.60	16.52	1.68	18.90	1.75	21.74	1.85	23.64	1.91	26.01	1.99
	64.4	11.49	1.54	13.86	1.61	16.23	1.69	18.61	1.77	21.45	1.86	23.35	1.93	25.72	2.00
	68.0	11.20	1.55	13.57	1.63	15.94	1.71	18.32	1.79	21.16	1.88	23.06	1.94	25.43	2.02
	70.0	11.04	1.56	13.41	1.64	15.78	1.72	18.15	1.80	21.00	1.89	22.90	1.95	25.27	2.03
	71.6	10.91	1.57	13.28	1.65	15.65	1.73	18.03	1.80	20.87	1.90	22.77	1.96	25.14	2.04
	75.2	10.62	1.59	12.99	1.67	15.36	1.74	17.74	1.82	20.58	1.91	22.48	1.98	24.85	2.05
CTXS09H + CTXS09H	60.8	13.46	1.58	16.17	1.67	18.88	1.75	21.59	1.83	24.85	1.92	27.01	1.99	29.72	2.07
	64.4	13.13	1.60	15.84	1.68	18.55	1.76	21.26	1.85	24.52	1.94	26.68	2.01	29.39	2.09
	68.0	12.80	1.62	15.51	1.70	18.22	1.78	20.93	1.86	24.18	1.96	26.35	2.03	29.06	2.11
	70.0	12.62	1.63	15.33	1.71	18.04	1.79	20.75	1.87	24.00	1.97	26.17	2.03	28.88	2.12
	71.6	12.47	1.64	15.18	1.72	17.89	1.80	20.60	1.88	23.85	1.98	26.02	2.04	28.73	2.12
	75.2	12.14	1.65	14.85	1.74	17.56	1.82	20.27	1.90	23.52	2.00	25.69	2.06	28.40	2.14
CTXS09H + FDXS09L	60.8	13.24	1.71	15.91	1.80	18.57	1.89	21.23	1.98	24.43	2.08	26.56	2.15	29.23	2.24
	64.4	12.91	1.73	15.58	1.82	18.24	1.91	20.91	1.99	24.11	2.10	26.24	2.17	28.90	2.26
	68.0	12.59	1.75	15.25	1.84	17.92	1.93	20.58	2.01	23.78	2.12	25.91	2.19	28.58	2.28
	70.0	12.41	1.76	15.07	1.85	17.74	1.94	20.40	2.02	23.60	2.13	25.73	2.20	28.40	2.29
	71.6	12.26	1.77	14.93	1.86	17.59	1.95	20.26	2.03	23.46	2.14	25.59	2.21	28.25	2.30
	75.2	11.94	1.79	14.60	1.88	17.27	1.96	19.93	2.05	23.13	2.16	25.26	2.23	27.93	2.32

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L	60.8	13.02	1.84	15.64	1.94	18.26	2.03	20.87	2.12	24.02	2.24	26.11	2.31	28.73	2.41
	64.4	12.70	1.86	15.32	1.96	17.93	2.05	20.55	2.14	23.70	2.26	25.79	2.33	28.41	2.43
	68.0	12.38	1.88	14.99	1.98	17.61	2.07	20.23	2.17	23.38	2.28	25.47	2.35	28.09	2.45
	70.0	12.20	1.89	14.82	1.99	17.44	2.08	20.06	2.18	23.20	2.29	25.30	2.37	27.92	2.46
	71.6	12.05	1.90	14.67	2.00	17.29	2.09	19.91	2.19	23.06	2.30	25.15	2.37	27.77	2.47
	75.2	11.73	1.92	14.35	2.02	16.97	2.11	19.59	2.21	22.74	2.32	24.83	2.40	27.00	2.41

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

C: 3D066396A

## 7.2 3MXS24JVJU

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## Cooling [60 Hz, 208 - 230 V]

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	68.0	7.79	0.54	8.14	0.55	8.49	0.56	8.66	0.56	9.19	0.58	9.54	0.59
	77.0	7.43	0.57	7.78	0.58	8.13	0.59	8.31	0.60	8.83	0.61	9.18	0.62
	86.0	7.08	0.61	7.43	0.62	7.78	0.63	7.95	0.63	8.48	0.65	8.83	0.66
	89.6	6.94	0.62	7.29	0.63	7.64	0.64	7.81	0.65	8.34	0.66	8.69	0.67
	95.0	6.72	0.64	7.07	0.65	7.42	0.67	7.60	0.67	8.13	0.69	8.48	0.70
	104.0	6.37	0.69	6.72	0.70	7.07	0.71	7.25	0.71	7.77	0.73	8.12	0.74
	109.4	6.16	0.71	6.51	0.72	6.86	0.73	7.03	0.74	7.56	0.75	7.91	0.76
	114.8	5.95	0.74	6.30	0.75	6.65	0.76	6.82	0.77	7.35	0.78	7.70	0.79
CTXS09H	68.0	9.94	0.66	10.38	0.67	10.83	0.68	11.05	0.69	11.73	0.71	12.17	0.72
	77.0	9.49	0.70	9.93	0.71	10.38	0.72	10.60	0.73	11.27	0.75	11.72	0.76
	86.0	9.03	0.74	9.48	0.75	9.93	0.77	10.15	0.77	10.82	0.79	11.27	0.81
	89.6	8.85	0.76	9.30	0.77	9.75	0.79	9.97	0.79	10.64	0.81	11.09	0.83
	95.0	8.58	0.79	9.03	0.80	9.48	0.81	9.70	0.82	10.37	0.84	10.82	0.85
	104.0	8.13	0.84	8.58	0.85	9.02	0.86	9.25	0.87	9.92	0.89	10.37	0.90
	109.4	7.86	0.87	8.31	0.88	8.75	0.90	8.98	0.90	9.65	0.92	10.09	0.94
	114.8	7.59	0.90	8.04	0.92	8.48	0.93	8.71	0.94	9.38	0.96	9.82	0.97
FDXS09L	68.0	9.63	0.71	10.06	0.72	10.50	0.73	10.71	0.74	11.36	0.76	11.80	0.78
	77.0	9.19	0.75	9.63	0.76	10.06	0.78	10.28	0.78	10.92	0.81	11.36	0.82
	86.0	8.76	0.80	9.19	0.81	9.62	0.82	9.84	0.83	10.49	0.85	10.92	0.87
	89.6	8.58	0.82	9.01	0.83	9.45	0.84	9.66	0.85	10.31	0.87	10.75	0.89
	95.0	8.32	0.85	8.75	0.86	9.18	0.87	9.40	0.88	10.05	0.90	10.48	0.92
	104.0	7.88	0.90	8.31	0.91	8.75	0.93	8.96	0.93	9.61	0.96	10.04	0.97
	109.4	7.62	0.93	8.05	0.95	8.48	0.96	8.70	0.97	9.35	0.99	9.78	1.00
	114.8	7.35	0.97	7.79	0.98	8.14	0.98	8.31	0.98	8.81	0.98	9.13	0.98
CTXS12H	68.0	13.32	0.91	13.92	0.93	14.52	0.94	14.82	0.95	15.71	0.98	16.31	1.00
	77.0	12.71	0.96	13.31	0.98	13.91	1.00	14.21	1.01	15.11	1.03	15.71	1.05
	86.0	12.11	1.02	12.71	1.04	13.31	1.06	13.61	1.07	14.50	1.09	15.10	1.11
	89.6	11.87	1.05	12.46	1.06	13.06	1.08	13.36	1.09	14.26	1.12	14.86	1.14
	95.0	11.50	1.09	12.10	1.10	12.70	1.12	13.00	1.13	13.90	1.16	14.50	1.18
	104.0	10.90	1.16	11.50	1.17	12.10	1.19	12.39	1.20	13.29	1.23	13.89	1.25
	109.4	10.53	1.20	11.13	1.22	11.73	1.24	12.03	1.24	12.93	1.27	13.53	1.29
	114.8	8.57	0.98	8.96	0.98	9.34	0.98	9.52	0.98	10.06	0.98	10.42	0.98
FDXS12L	68.0	11.28	0.82	12.95	0.95	13.51	0.97	13.79	0.98	14.63	1.01	15.18	1.02
	77.0	11.28	0.92	12.39	1.01	12.95	1.02	13.23	1.03	14.06	1.06	14.62	1.08
	86.0	11.27	1.05	11.83	1.07	12.38	1.09	12.66	1.10	13.50	1.12	14.06	1.14
	89.6	11.04	1.07	11.60	1.09	12.16	1.11	12.44	1.12	13.27	1.15	13.83	1.17
	95.0	10.71	1.11	11.26	1.13	11.82	1.15	12.10	1.16	12.94	1.19	13.49	1.21
	104.0	10.14	1.19	10.70	1.20	11.26	1.22	11.54	1.23	12.37	1.26	12.93	1.28
	109.4	9.80	1.23	10.36	1.25	10.92	1.27	11.20	1.28	12.03	1.31	12.59	1.32
	114.8	7.89	0.98	8.24	0.98	8.59	0.98	8.76	0.98	9.26	0.98	9.58	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS15L	68.0	16.60	1.15	17.34	1.17	18.09	1.19	18.46	1.21	19.58	1.24	20.33	1.26
	77.0	15.84	1.22	16.59	1.24	17.34	1.26	17.71	1.27	18.83	1.31	19.57	1.33
	86.0	15.09	1.29	15.83	1.32	16.58	1.34	16.95	1.35	18.07	1.38	18.82	1.41
	89.6	14.79	1.32	15.53	1.35	16.28	1.37	16.65	1.38	17.77	1.42	18.52	1.44
	95.0	14.33	1.37	15.08	1.40	15.83	1.42	16.20	1.43	17.32	1.47	18.07	1.49
	104.0	13.58	1.46	14.33	1.49	15.07	1.51	15.45	1.52	16.57	1.55	17.31	1.58
	109.4	13.13	1.52	13.87	1.54	14.62	1.56	14.99	1.58	16.11	1.61	16.86	1.63
	114.8	9.11	0.98	9.51	0.98	9.89	0.98	10.08	0.98	10.63	0.98	10.98	0.98
CDXS15L	68.0	14.36	1.09	16.17	1.24	16.86	1.26	17.21	1.27	18.25	1.31	18.95	1.33
	77.0	14.36	1.23	15.46	1.31	16.16	1.33	16.51	1.35	17.55	1.38	18.25	1.41
	86.0	14.06	1.37	14.76	1.39	15.46	1.41	15.80	1.43	16.85	1.46	17.54	1.49
	89.6	13.78	1.40	14.48	1.42	15.17	1.45	15.52	1.46	16.57	1.50	17.26	1.52
	95.0	13.36	1.45	14.06	1.48	14.75	1.50	15.10	1.51	16.14	1.55	16.84	1.57
	104.0	12.66	1.54	13.35	1.57	14.05	1.59	14.40	1.60	15.44	1.64	16.14	1.66
	109.4	12.24	1.60	12.93	1.63	13.63	1.65	13.98	1.66	15.02	1.70	15.71	1.72
	114.8	8.36	0.98	8.72	0.98	9.06	0.98	9.23	0.98	9.73	0.98	10.05	0.98
FTXS18L	68.0	19.12	1.46	20.88	1.60	21.77	1.63	22.22	1.64	23.57	1.69	24.47	1.72
	77.0	19.07	1.66	19.97	1.69	20.87	1.72	21.32	1.74	22.66	1.78	23.56	1.82
	86.0	18.16	1.76	19.06	1.79	19.96	1.83	20.41	1.84	21.76	1.89	22.65	1.92
	89.6	17.80	1.81	18.70	1.84	19.60	1.87	20.04	1.88	21.39	1.93	22.29	1.96
	95.0	17.25	1.87	18.15	1.91	19.05	1.94	19.50	1.95	20.85	2.00	21.75	2.03
	104.0	16.35	1.99	17.24	2.03	18.14	2.06	18.59	2.07	19.94	2.12	20.84	2.15
	109.4	14.61	1.77	15.28	1.77	15.93	1.77	16.25	1.77	17.20	1.77	17.80	1.77
	114.8	9.34	0.98	9.71	0.98	10.07	0.98	10.24	0.98	10.76	0.98	11.10	0.98
CDXS18L	68.0	14.16	1.04	17.39	1.35	20.21	1.64	20.63	1.65	21.88	1.70	22.71	1.73
	77.0	14.16	1.17	17.39	1.53	19.37	1.73	19.79	1.75	21.04	1.79	21.87	1.83
	86.0	14.16	1.33	17.39	1.75	18.53	1.83	18.94	1.85	20.19	1.90	21.03	1.93
	89.6	14.16	1.40	17.35	1.85	18.19	1.88	18.61	1.89	19.86	1.94	20.69	1.97
	95.0	14.16	1.52	16.85	1.92	17.68	1.95	18.10	1.96	19.35	2.01	20.18	2.04
	104.0	14.16	1.77	16.01	2.04	16.84	2.07	17.26	2.08	18.51	2.13	19.34	2.16
	109.4	13.61	1.77	14.24	1.77	14.85	1.77	15.15	1.77	16.04	1.77	16.61	1.77
	114.8	8.82	0.98	9.17	0.98	9.51	0.98	9.67	0.98	10.16	0.98	10.48	0.98
CTXS07L + CTXS07L	68.0	17.01	1.05	17.77	1.07	18.54	1.09	18.92	1.10	20.07	1.14	20.83	1.16
	77.0	16.23	1.12	17.00	1.14	17.76	1.16	18.15	1.17	19.29	1.20	20.06	1.22
	86.0	15.46	1.18	16.23	1.21	16.99	1.23	17.37	1.24	18.52	1.27	19.28	1.29
	89.6	15.15	1.21	15.92	1.23	16.68	1.26	17.06	1.27	18.21	1.30	18.98	1.32
	95.0	14.69	1.26	15.45	1.28	16.22	1.30	16.60	1.31	17.75	1.34	18.51	1.36
	104.0	13.92	1.34	14.68	1.36	15.44	1.38	15.83	1.39	16.97	1.42	17.74	1.44
	109.4	13.45	1.39	14.22	1.41	14.98	1.43	15.36	1.44	16.51	1.47	17.28	1.50
	114.8	9.79	0.98	10.22	0.98	10.63	0.98	10.84	0.98	11.44	0.98	11.83	0.98
CTXS07L + CTXS09H	68.0	18.65	1.19	19.48	1.21	20.32	1.24	20.74	1.25	22.00	1.28	22.84	1.31
	77.0	17.80	1.26	18.64	1.28	19.48	1.31	19.89	1.32	21.15	1.35	21.99	1.38
	86.0	16.95	1.34	17.79	1.36	18.63	1.39	19.05	1.40	20.31	1.43	21.14	1.46
	89.6	16.61	1.37	17.45	1.39	18.29	1.42	18.71	1.43	19.97	1.47	20.80	1.49
	95.0	16.10	1.42	16.94	1.45	17.78	1.47	18.20	1.48	19.46	1.52	20.30	1.54
	104.0	15.26	1.51	16.09	1.54	16.93	1.56	17.35	1.57	18.61	1.61	19.45	1.63
	109.4	14.75	1.57	15.59	1.59	16.42	1.62	16.84	1.63	18.10	1.67	18.94	1.69
	114.8	9.90	0.98	10.32	0.98	10.74	0.98	10.94	0.98	11.53	0.98	11.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L	68.0	17.01	1.14	17.77	1.16	18.54	1.19	18.92	1.20	20.07	1.23	20.83	1.25
	77.0	16.23	1.21	17.00	1.23	17.76	1.25	18.15	1.27	19.29	1.30	20.06	1.32
	86.0	15.46	1.28	16.23	1.31	16.99	1.33	17.37	1.34	18.52	1.37	19.28	1.40
	89.6	15.15	1.32	15.92	1.34	16.68	1.36	17.06	1.37	18.21	1.41	18.98	1.43
	95.0	14.69	1.36	15.45	1.39	16.22	1.41	16.60	1.42	17.75	1.46	18.51	1.48
	104.0	13.92	1.45	14.68	1.47	15.44	1.50	15.83	1.51	16.97	1.54	17.74	1.57
	109.4	13.45	1.51	14.22	1.53	14.98	1.55	15.36	1.56	16.51	1.60	17.28	1.62
	114.8	9.34	0.98	9.75	0.98	10.14	0.98	10.33	0.98	10.90	0.98	11.26	0.98
CTXS07L + CTXS12H	68.0	21.82	1.53	22.80	1.56	23.78	1.59	24.28	1.60	25.75	1.65	26.73	1.68
	77.0	20.83	1.62	21.81	1.65	22.79	1.68	23.28	1.69	24.76	1.74	25.74	1.77
	86.0	19.84	1.72	20.82	1.75	21.80	1.78	22.29	1.79	23.76	1.84	24.75	1.87
	89.6	19.44	1.76	20.42	1.79	21.40	1.82	21.90	1.84	23.37	1.88	24.35	1.91
	95.0	18.85	1.83	19.83	1.86	20.81	1.89	21.30	1.90	22.77	1.95	23.75	1.98
	104.0	17.85	1.94	18.84	1.97	19.82	2.00	20.31	2.02	21.78	2.06	22.76	2.09
	109.4	16.06	1.77	16.79	1.77	17.51	1.77	17.86	1.77	18.89	1.77	19.55	1.77
	114.8	10.07	0.98	10.48	0.98	10.87	0.98	11.07	0.98	11.63	0.98	12.00	0.98
CTXS07L + FDXS12L	68.0	20.29	1.51	21.20	1.54	22.11	1.57	22.57	1.58	23.93	1.63	24.85	1.66
	77.0	19.36	1.60	20.28	1.63	21.19	1.66	21.64	1.68	23.01	1.72	23.92	1.75
	86.0	18.44	1.70	19.35	1.73	20.27	1.76	20.72	1.77	22.09	1.82	23.00	1.85
	89.6	18.07	1.74	18.98	1.77	19.90	1.80	20.35	1.82	21.72	1.86	22.63	1.89
	95.0	17.52	1.81	18.43	1.84	19.34	1.87	19.80	1.88	21.17	1.93	22.08	1.96
	104.0	16.60	1.92	17.51	1.95	18.42	1.98	18.88	2.00	20.25	2.04	21.16	2.07
	109.4	15.06	1.77	15.76	1.77	16.43	1.77	16.77	1.77	17.74	1.77	18.37	1.77
	114.8	9.55	0.98	9.94	0.98	10.31	0.98	10.49	0.98	11.03	0.98	11.38	0.98
CTXS07L + FTXS15L	68.0	24.38	1.76	25.48	1.79	26.58	1.83	27.12	1.85	28.77	1.90	29.87	1.93
	77.0	23.28	1.86	24.37	1.90	25.47	1.93	26.02	1.95	27.66	2.00	28.76	2.04
	86.0	22.17	1.98	23.26	2.01	24.36	2.05	24.91	2.07	26.55	2.12	27.65	2.15
	89.6	21.72	2.03	22.82	2.06	23.92	2.10	24.46	2.12	26.11	2.17	27.21	2.20
	95.0	21.06	2.10	22.16	2.14	23.25	2.17	23.80	2.19	25.44	2.24	26.54	2.28
	104.0	19.95	2.24	21.05	2.27	22.14	2.31	22.69	2.33	24.34	2.38	25.43	2.41
	109.4	16.71	1.77	17.44	1.77	18.15	1.77	18.51	1.77	19.53	1.77	20.20	1.77
	114.8	10.48	0.98	10.88	0.98	11.27	0.98	11.47	0.98	12.03	0.98	12.40	0.98
CTXS07L + CDXS15L	68.0	23.15	1.77	24.20	1.80	25.24	1.84	25.76	1.85	27.32	1.91	28.36	1.94
	77.0	22.10	1.87	23.14	1.91	24.18	1.94	24.70	1.96	26.27	2.01	27.31	2.05
	86.0	21.05	1.99	22.09	2.02	23.13	2.06	23.65	2.08	25.21	2.13	26.26	2.16
	89.6	20.63	2.04	21.67	2.07	22.71	2.11	23.23	2.13	24.79	2.18	25.83	2.21
	95.0	20.00	2.11	21.04	2.15	22.08	2.18	22.60	2.20	24.16	2.26	25.20	2.29
	104.0	18.94	2.25	19.99	2.28	21.03	2.32	21.55	2.34	23.11	2.39	24.15	2.43
	109.4	15.94	1.77	16.64	1.77	17.32	1.77	17.66	1.77	18.64	1.77	19.28	1.77
	114.8	10.08	0.98	10.47	0.98	10.84	0.98	11.03	0.98	11.57	0.98	11.92	0.98
CTXS07L + FTXS18L	68.0	25.31	1.90	26.44	1.93	27.58	1.97	28.15	1.99	29.86	2.05	31.00	2.08
	77.0	24.16	2.01	25.29	2.05	26.43	2.08	27.00	2.10	28.71	2.16	29.85	2.20
	86.0	23.01	2.13	24.14	2.17	25.28	2.21	25.85	2.23	27.56	2.28	28.70	2.32
	89.6	22.55	2.19	23.68	2.22	24.82	2.26	25.39	2.28	27.10	2.34	28.23	2.37
	95.0	21.86	2.27	22.99	2.31	24.13	2.34	24.70	2.36	26.41	2.42	27.54	2.46
	104.0	20.70	2.41	21.84	2.45	22.98	2.49	23.55	2.51	25.24	2.56	26.19	2.56
	109.4	16.82	1.77	17.54	1.77	18.24	1.77	18.59	1.77	19.60	1.77	20.25	1.77
	114.8	10.57	0.98	10.97	0.98	11.36	0.98	11.55	0.98	12.11	0.98	12.47	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CDXS18L	68.0	23.97	1.90	25.05	1.93	26.13	1.97	26.67	1.99	28.29	2.05	29.36	2.08
	77.0	22.88	2.01	23.96	2.05	25.04	2.08	25.58	2.10	27.20	2.16	28.27	2.20
	86.0	21.79	2.13	22.87	2.17	23.95	2.21	24.49	2.23	26.11	2.28	27.18	2.32
	89.6	21.36	2.19	22.44	2.22	23.51	2.26	24.05	2.28	25.67	2.34	26.75	2.37
	95.0	20.70	2.27	21.78	2.31	22.86	2.34	23.40	2.36	25.02	2.42	26.10	2.46
	104.0	19.62	2.41	20.69	2.45	21.77	2.49	22.31	2.51	23.91	2.56	24.82	2.56
	109.4	16.07	1.77	16.76	1.77	17.43	1.77	17.77	1.77	18.74	1.77	19.36	1.77
	114.8	10.19	0.98	10.57	0.98	10.94	0.98	11.12	0.98	11.66	0.98	12.00	0.98
CTXS09H + CTXS09H	68.0	20.29	1.33	21.20	1.36	22.11	1.39	22.57	1.40	23.93	1.44	24.85	1.47
	77.0	19.36	1.41	20.28	1.44	21.19	1.47	21.64	1.48	23.01	1.52	23.92	1.55
	86.0	18.44	1.50	19.35	1.53	20.27	1.55	20.72	1.57	22.09	1.61	23.00	1.63
	89.6	18.07	1.54	18.98	1.56	19.90	1.59	20.35	1.60	21.72	1.64	22.63	1.67
	95.0	17.52	1.60	18.43	1.62	19.34	1.65	19.80	1.66	21.17	1.70	22.08	1.73
	104.0	16.60	1.70	17.51	1.72	18.42	1.75	18.88	1.76	20.25	1.80	21.16	1.83
	109.4	16.04	1.76	16.86	1.77	17.60	1.77	17.97	1.77	19.03	1.77	19.72	1.77
	114.8	10.04	0.98	10.46	0.98	10.87	0.98	11.07	0.98	11.66	0.98	12.03	0.98
CTXS09H + FDXS09L	68.0	18.65	1.32	19.48	1.34	20.32	1.37	20.74	1.38	22.00	1.42	22.84	1.45
	77.0	17.80	1.40	18.64	1.42	19.48	1.45	19.89	1.46	21.15	1.50	21.99	1.53
	86.0	16.95	1.48	17.79	1.51	18.63	1.54	19.05	1.55	20.31	1.59	21.14	1.61
	89.6	16.61	1.52	17.45	1.55	18.29	1.57	18.71	1.58	19.97	1.62	20.80	1.65
	95.0	16.10	1.58	16.94	1.60	17.78	1.63	18.20	1.64	19.46	1.68	20.30	1.71
	104.0	15.26	1.68	16.09	1.70	16.93	1.73	17.35	1.74	18.61	1.78	19.45	1.81
	109.4	14.75	1.74	15.59	1.77	16.31	1.77	16.65	1.77	17.65	1.77	18.30	1.77
	114.8	9.42	0.98	9.81	0.98	10.19	0.98	10.38	0.98	10.93	0.98	11.29	0.98
FDXS09L + FDXS09L	68.0	16.90	1.23	17.66	1.25	18.42	1.28	18.80	1.29	19.95	1.33	20.71	1.35
	77.0	16.14	1.30	16.90	1.33	17.66	1.35	18.04	1.36	19.18	1.40	19.94	1.42
	86.0	15.37	1.38	16.13	1.41	16.89	1.43	17.27	1.44	18.41	1.48	19.17	1.51
	89.6	15.06	1.42	15.82	1.44	16.58	1.47	16.96	1.48	18.10	1.52	18.86	1.54
	95.0	14.60	1.47	15.36	1.49	16.12	1.52	16.50	1.53	17.64	1.57	18.40	1.59
	104.0	13.83	1.56	14.59	1.59	15.35	1.61	15.73	1.63	16.87	1.66	17.63	1.69
	109.4	13.37	1.62	14.13	1.65	14.89	1.67	15.27	1.69	16.41	1.72	17.17	1.75
	114.8	8.95	0.98	9.33	0.98	9.70	0.98	9.88	0.98	10.42	0.98	10.76	0.98
CTXS09H + CTXS12H	68.0	23.36	1.73	24.41	1.77	25.46	1.80	25.98	1.82	27.56	1.87	28.61	1.91
	77.0	22.30	1.84	23.35	1.87	24.40	1.91	24.92	1.93	26.50	1.98	27.55	2.01
	86.0	21.24	1.95	22.29	1.99	23.34	2.02	23.86	2.04	25.44	2.09	26.49	2.13
	89.6	20.81	2.00	21.86	2.04	22.91	2.07	23.44	2.09	25.01	2.14	26.06	2.17
	95.0	20.17	2.08	21.22	2.11	22.27	2.15	22.80	2.16	24.38	2.21	25.43	2.25
	104.0	19.11	2.21	20.16	2.24	21.21	2.28	21.74	2.29	23.31	2.35	24.36	2.38
	109.4	16.17	1.77	16.88	1.77	17.58	1.77	17.92	1.77	18.92	1.77	19.57	1.77
	114.8	10.19	0.98	10.58	0.98	10.97	0.98	11.16	0.98	11.71	0.98	12.07	0.98
CTXS09H + FDXS12L	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
	114.8	9.74	0.98	10.11	0.98	10.48	0.98	10.66	0.98	11.18	0.98	11.53	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + CTXS12H	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
	114.8	9.74	0.98	10.11	0.98	10.48	0.98	10.66	0.98	11.18	0.98	11.53	0.98
FDXS09L + FDXS12L	68.0	20.18	1.64	21.09	1.67	22.00	1.70	22.45	1.72	23.81	1.77	24.72	1.80
	77.0	19.27	1.74	20.17	1.77	21.08	1.80	21.53	1.82	22.90	1.87	23.80	1.90
	86.0	18.35	1.84	19.26	1.88	20.16	1.91	20.62	1.93	21.98	1.97	22.89	2.01
	89.6	17.98	1.89	18.89	1.92	19.80	1.95	20.25	1.97	21.61	2.02	22.52	2.05
	95.0	17.43	1.96	18.34	1.99	19.25	2.03	19.70	2.04	21.06	2.09	21.97	2.12
	104.0	16.51	2.09	17.42	2.12	18.33	2.15	18.78	2.17	20.14	2.22	21.05	2.25
	109.4	14.49	1.77	15.15	1.77	15.79	1.77	16.10	1.77	17.02	1.77	17.62	1.77
	114.8	9.30	0.98	9.66	0.98	10.01	0.98	10.18	0.98	10.69	0.98	11.02	0.98
CTXS09H + FTXS15L	68.0	25.00	1.85	26.12	1.88	27.25	1.92	27.81	1.94	29.49	1.99	30.62	2.03
	77.0	23.86	1.96	24.99	1.99	26.11	2.03	26.67	2.05	28.36	2.11	29.48	2.14
	86.0	22.73	2.08	23.85	2.12	24.97	2.15	25.54	2.17	27.22	2.23	28.35	2.26
	89.6	22.27	2.13	23.40	2.17	24.52	2.20	25.08	2.22	26.77	2.28	27.89	2.31
	95.0	21.59	2.21	22.71	2.25	23.84	2.28	24.40	2.30	26.09	2.36	27.21	2.39
	104.0	20.45	2.35	21.58	2.39	22.70	2.43	23.26	2.44	24.95	2.50	26.07	2.54
	109.4	16.78	1.77	17.50	1.77	18.21	1.77	18.56	1.77	19.58	1.77	20.24	1.77
	114.8	10.54	0.98	10.94	0.98	11.33	0.98	11.52	0.98	12.08	0.98	12.45	0.98
CTXS09H + CDXS15L	68.0	23.77	1.85	24.84	1.88	25.91	1.92	26.44	1.94	28.04	1.99	29.11	2.03
	77.0	22.69	1.96	23.76	1.99	24.83	2.03	25.36	2.05	26.96	2.11	28.03	2.14
	86.0	21.61	2.08	22.68	2.12	23.75	2.15	24.28	2.17	25.88	2.23	26.95	2.26
	89.6	21.18	2.13	22.24	2.17	23.31	2.20	23.85	2.22	25.45	2.28	26.52	2.31
	95.0	20.53	2.21	21.60	2.25	22.67	2.28	23.20	2.30	24.80	2.36	25.87	2.39
	104.0	19.45	2.35	20.52	2.39	21.59	2.43	22.12	2.44	23.72	2.50	24.79	2.54
	109.4	16.07	1.77	16.77	1.77	17.45	1.77	17.78	1.77	18.76	1.77	19.39	1.77
	114.8	10.18	0.98	10.56	0.98	10.93	0.98	11.12	0.98	11.65	0.98	12.00	0.98
FDXS09L + FTXS15L	68.0	24.59	1.99	25.69	2.03	26.80	2.07	27.35	2.09	29.01	2.15	30.12	2.19
	77.0	23.47	2.11	24.58	2.15	25.68	2.19	26.24	2.21	27.89	2.27	29.00	2.31
	86.0	22.35	2.24	23.46	2.28	24.56	2.32	25.12	2.34	26.78	2.40	27.88	2.44
	89.6	21.91	2.30	23.01	2.34	24.12	2.38	24.67	2.40	26.33	2.46	27.43	2.50
	95.0	21.24	2.38	22.34	2.42	23.45	2.46	24.00	2.48	25.66	2.54	26.76	2.58
	104.0	20.12	2.54	21.18	2.56	22.15	2.56	22.62	2.56	24.02	2.56	24.93	2.56
	109.4	16.21	1.77	16.90	1.77	17.56	1.77	17.89	1.77	18.85	1.77	19.48	1.77
	114.8	10.29	0.98	10.66	0.98	11.03	0.98	11.21	0.98	11.74	0.98	12.09	0.98
FDXS09L + CDXS15L	68.0	23.46	2.00	24.52	2.04	25.57	2.08	26.10	2.10	27.68	2.16	28.74	2.20
	77.0	22.39	2.12	23.45	2.16	24.51	2.20	25.03	2.22	26.62	2.28	27.67	2.32
	86.0	21.33	2.25	22.38	2.29	23.44	2.33	23.97	2.35	25.55	2.41	26.60	2.45
	89.6	20.90	2.31	21.96	2.35	23.01	2.39	23.54	2.41	25.12	2.47	26.18	2.51
	95.0	20.26	2.39	21.32	2.43	22.37	2.47	22.90	2.49	24.48	2.55	25.54	2.59
	104.0	19.20	2.55	20.18	2.56	21.12	2.56	21.58	2.56	22.92	2.56	23.79	2.56
	109.4	15.60	1.77	16.26	1.77	16.90	1.77	17.21	1.77	18.14	1.77	18.74	1.77
	114.8	9.97	0.98	10.34	0.98	10.69	0.98	10.86	0.98	11.37	0.98	11.71	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FTXS18L	68.0	25.72	1.98	26.87	2.02	28.03	2.06	28.61	2.08	30.34	2.14	31.50	2.18
	77.0	24.55	2.10	25.70	2.14	26.86	2.18	27.44	2.20	29.17	2.26	30.33	2.30
	86.0	23.38	2.23	24.53	2.27	25.69	2.31	26.27	2.33	28.00	2.39	29.16	2.43
	89.6	22.91	2.29	24.07	2.33	25.22	2.37	25.80	2.39	27.54	2.45	28.69	2.49
	95.0	22.21	2.37	23.37	2.41	24.52	2.45	25.10	2.47	26.83	2.53	27.99	2.57
	104.0	21.04	2.53	22.18	2.56	23.19	2.56	23.68	2.56	25.13	2.56	26.07	2.56
	109.4	16.83	1.77	17.54	1.77	18.23	1.77	18.57	1.77	19.57	1.77	20.22	1.77
	114.8	10.60	0.98	11.00	0.98	11.38	0.98	11.56	0.98	12.12	0.98	12.47	0.98
CTXS09H + CDXS18L	68.0	24.59	1.98	25.69	2.02	26.80	2.06	27.35	2.08	29.01	2.14	30.12	2.18
	77.0	23.47	2.10	24.58	2.14	25.68	2.18	26.24	2.20	27.89	2.26	29.00	2.30
	86.0	22.35	2.23	23.46	2.27	24.56	2.31	25.12	2.33	26.78	2.39	27.88	2.43
	89.6	21.91	2.29	23.01	2.33	24.12	2.37	24.67	2.39	26.33	2.45	27.43	2.49
	95.0	21.24	2.37	22.34	2.41	23.45	2.45	24.00	2.47	25.66	2.53	26.76	2.57
	104.0	20.12	2.53	21.21	2.56	22.18	2.56	22.66	2.56	24.06	2.56	24.97	2.56
	109.4	16.23	1.77	16.91	1.77	17.58	1.77	17.91	1.77	18.87	1.77	19.50	1.77
	114.8	10.29	0.98	10.67	0.98	11.04	0.98	11.22	0.98	11.75	0.98	12.10	0.98
FDXS09L + FTXS18L	68.0	25.31	2.14	26.44	2.18	27.58	2.22	28.15	2.24	29.86	2.31	31.00	2.35
	77.0	24.16	2.26	25.29	2.31	26.43	2.35	27.00	2.37	28.71	2.43	29.85	2.48
	86.0	23.01	2.40	24.14	2.45	25.28	2.49	25.85	2.51	27.56	2.57	28.70	2.62
	89.6	22.55	2.46	23.68	2.51	24.82	2.55	25.39	2.57	27.10	2.63	28.23	2.68
	95.0	21.86	2.56	22.99	2.60	24.13	2.64	24.70	2.66	26.41	2.73	27.54	2.77
	104.0	20.33	2.56	21.30	2.56	22.26	2.56	22.73	2.56	24.10	2.56	24.99	2.56
	109.4	16.37	1.77	17.05	1.77	17.70	1.77	18.03	1.77	18.97	1.77	19.59	1.77
	114.8	10.41	0.98	10.78	0.98	11.15	0.98	11.32	0.98	11.85	0.98	12.19	0.98
FDXS09L + CDXS18L	68.0	24.08	2.13	25.16	2.17	26.24	2.21	26.78	2.23	28.41	2.30	29.49	2.34
	77.0	22.98	2.26	24.06	2.30	25.15	2.34	25.69	2.36	27.31	2.43	28.40	2.47
	86.0	21.89	2.40	22.97	2.44	24.05	2.48	24.59	2.50	26.22	2.57	27.30	2.61
	89.6	21.45	2.45	22.53	2.50	23.62	2.54	24.16	2.56	25.78	2.62	26.86	2.67
	95.0	20.79	2.55	21.88	2.59	22.96	2.63	23.50	2.65	25.12	2.72	26.21	2.76
	104.0	19.40	2.56	20.34	2.56	21.26	2.56	21.71	2.56	23.04	2.56	23.90	2.56
	109.4	15.77	1.77	16.42	1.77	17.05	1.77	17.36	1.77	18.28	1.77	18.87	1.77
	114.8	10.10	0.98	10.46	0.98	10.81	0.98	10.98	0.98	11.48	0.98	11.81	0.98
CTXS12H + CTXS12H	68.0	24.59	1.96	25.69	2.00	26.80	2.04	27.35	2.06	29.01	2.12	30.12	2.15
	77.0	23.47	2.08	24.58	2.12	25.68	2.16	26.24	2.17	27.89	2.23	29.00	2.27
	86.0	22.35	2.21	23.46	2.24	24.56	2.28	25.12	2.30	26.78	2.36	27.88	2.40
	89.6	21.91	2.26	23.01	2.30	24.12	2.34	24.67	2.36	26.33	2.42	27.43	2.46
	95.0	21.24	2.34	22.34	2.38	23.45	2.42	24.00	2.44	25.66	2.50	26.76	2.54
	104.0	20.12	2.49	21.22	2.53	22.29	2.56	22.77	2.56	24.18	2.56	25.09	2.56
	109.4	16.27	1.77	16.96	1.77	17.64	1.77	17.97	1.77	18.94	1.77	19.57	1.77
	114.8	10.31	0.98	10.69	0.98	11.06	0.98	11.24	0.98	11.78	0.98	12.13	0.98
FDXS12L + CTXS12H	68.0	24.28	2.15	25.37	2.19	26.46	2.24	27.01	2.26	28.65	2.32	29.74	2.37
	77.0	23.18	2.28	24.27	2.32	25.36	2.37	25.91	2.39	27.54	2.45	28.64	2.50
	86.0	22.07	2.42	23.17	2.47	24.26	2.51	24.80	2.53	26.44	2.59	27.53	2.64
	89.6	21.63	2.48	22.72	2.53	23.82	2.57	24.36	2.59	26.00	2.65	27.09	2.70
	95.0	20.97	2.58	22.06	2.62	23.15	2.66	23.70	2.68	25.34	2.75	26.43	2.79
	104.0	19.50	2.56	20.45	2.56	21.37	2.56	21.82	2.56	23.15	2.56	24.01	2.56
	109.4	15.85	1.77	16.50	1.77	17.13	1.77	17.45	1.77	18.36	1.77	18.96	1.77
	114.8	10.15	0.98	10.51	0.98	10.85	0.98	11.03	0.98	11.53	0.98	11.86	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS12L + FDXS12L	68.0	22.56	2.12	24.62	2.35	25.68	2.40	26.21	2.42	27.80	2.49	28.86	2.53
	77.0	22.49	2.44	23.55	2.49	24.61	2.54	25.14	2.56	26.73	2.63	27.79	2.67
	86.0	21.42	2.59	22.48	2.64	23.54	2.69	24.07	2.71	25.66	2.78	26.72	2.82
	89.6	20.99	2.66	22.05	2.70	23.11	2.75	23.64	2.77	25.23	2.84	26.29	2.89
	95.0	20.35	2.76	21.41	2.80	22.47	2.85	23.00	2.87	24.59	2.94	25.65	2.99
	104.0	18.78	2.56	19.67	2.56	20.54	2.56	20.97	2.56	22.23	2.56	23.05	2.56
	109.4	15.46	1.77	16.07	1.77	16.67	1.77	16.97	1.77	17.84	1.77	18.40	1.77
	114.8	9.99	0.98	10.33	0.98	10.66	0.98	10.82	0.98	11.30	0.98	11.61	0.98
CTXS12H + FTXS15L	68.0	25.72	1.98	26.87	2.02	28.03	2.06	28.61	2.08	30.34	2.14	31.50	2.18
	77.0	24.55	2.10	25.70	2.14	26.86	2.18	27.44	2.20	29.17	2.26	30.33	2.30
	86.0	23.38	2.23	24.53	2.27	25.69	2.31	26.27	2.33	28.00	2.39	29.16	2.43
	89.6	22.91	2.29	24.07	2.33	25.22	2.37	25.80	2.39	27.54	2.45	28.69	2.49
	95.0	22.21	2.37	23.37	2.41	24.52	2.45	25.10	2.47	26.83	2.53	27.99	2.57
	104.0	21.04	2.53	22.18	2.56	23.19	2.56	23.68	2.56	25.13	2.56	26.07	2.56
	109.4	16.83	1.77	17.54	1.77	18.23	1.77	18.57	1.77	19.57	1.77	20.22	1.77
	114.8	10.60	0.98	11.00	0.98	11.38	0.98	11.56	0.98	12.12	0.98	12.47	0.98
CTXS12H + CDXS15L	68.0	24.59	1.98	25.69	2.02	26.80	2.06	27.35	2.08	29.01	2.14	30.12	2.18
	77.0	23.47	2.10	24.58	2.14	25.68	2.18	26.24	2.20	27.89	2.26	29.00	2.30
	86.0	22.35	2.23	23.46	2.27	24.56	2.31	25.12	2.33	26.78	2.39	27.88	2.43
	89.6	21.91	2.29	23.01	2.33	24.12	2.37	24.67	2.39	26.33	2.45	27.43	2.49
	95.0	21.24	2.37	22.34	2.41	23.45	2.45	24.00	2.47	25.66	2.53	26.76	2.57
	104.0	20.12	2.53	21.21	2.56	22.18	2.56	22.66	2.56	24.06	2.56	24.97	2.56
	109.4	16.23	1.77	16.91	1.77	17.58	1.77	17.91	1.77	18.87	1.77	19.50	1.77
	114.8	10.29	0.98	10.67	0.98	11.04	0.98	11.22	0.98	11.75	0.98	12.10	0.98
FDXS12L + FTXS15L	68.0	25.00	2.09	26.12	2.13	27.25	2.17	27.81	2.19	29.49	2.25	30.62	2.30
	77.0	23.86	2.21	24.99	2.26	26.11	2.30	26.67	2.32	28.36	2.38	29.48	2.42
	86.0	22.73	2.35	23.85	2.39	24.97	2.43	25.54	2.45	27.22	2.52	28.35	2.56
	89.6	22.27	2.41	23.40	2.45	24.52	2.49	25.08	2.51	26.77	2.57	27.89	2.62
	95.0	21.59	2.50	22.71	2.54	23.84	2.58	24.40	2.60	26.09	2.67	27.21	2.71
	104.0	20.21	2.56	21.19	2.56	22.15	2.56	22.62	2.56	24.00	2.56	24.89	2.56
	109.4	16.28	1.77	16.95	1.77	17.61	1.77	17.93	1.77	18.88	1.77	19.50	1.77
	114.8	10.35	0.98	10.72	0.98	11.08	0.98	11.26	0.98	11.79	0.98	12.13	0.98
FDXS12L + CDXS15L	68.0	23.87	2.09	24.94	2.13	26.02	2.17	26.55	2.19	28.16	2.25	29.24	2.30
	77.0	22.79	2.21	23.86	2.26	24.93	2.30	25.47	2.32	27.08	2.38	28.15	2.42
	86.0	21.70	2.35	22.77	2.39	23.85	2.43	24.38	2.45	26.00	2.52	27.07	2.56
	89.6	21.27	2.41	22.34	2.45	23.41	2.49	23.95	2.51	25.56	2.57	26.63	2.62
	95.0	20.62	2.50	21.69	2.54	22.76	2.58	23.30	2.60	24.91	2.67	25.98	2.71
	104.0	19.32	2.56	20.27	2.56	21.19	2.56	21.65	2.56	22.98	2.56	23.84	2.56
	109.4	15.71	1.77	16.36	1.77	16.99	1.77	17.30	1.77	18.22	1.77	18.82	1.77
	114.8	10.05	0.98	10.41	0.98	10.76	0.98	10.93	0.98	11.44	0.98	11.77	0.98
CTXS12H + FTXS18L	68.0	26.43	2.13	27.62	2.17	28.81	2.21	29.40	2.23	31.19	2.30	32.38	2.34
	77.0	25.23	2.26	26.42	2.30	27.61	2.34	28.20	2.36	29.99	2.43	31.17	2.47
	86.0	24.03	2.40	25.22	2.44	26.41	2.48	27.00	2.50	28.78	2.57	29.97	2.61
	89.6	23.55	2.45	24.74	2.50	25.93	2.54	26.52	2.56	28.30	2.62	29.49	2.67
	95.0	22.83	2.55	24.02	2.59	25.21	2.63	25.80	2.65	27.58	2.72	28.77	2.76
	104.0	21.22	2.56	22.23	2.56	23.22	2.56	23.70	2.56	25.13	2.56	26.05	2.56
	109.4	16.95	1.77	17.64	1.77	18.32	1.77	18.66	1.77	19.64	1.77	20.27	1.77
	114.8	10.71	0.98	11.09	0.98	11.46	0.98	11.65	0.98	12.19	0.98	12.54	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + CDXS18L	68.0	25.10	2.07	26.23	2.11	27.36	2.15	27.92	2.17	29.62	2.24	30.74	2.28
	77.0	23.96	2.20	25.09	2.24	26.22	2.28	26.78	2.30	28.47	2.36	29.60	2.40
	86.0	22.82	2.33	23.95	2.37	25.08	2.41	25.64	2.44	27.33	2.50	28.46	2.54
	89.6	22.36	2.39	23.49	2.43	24.62	2.47	25.18	2.49	26.88	2.56	28.01	2.60
	95.0	21.68	2.48	22.81	2.52	23.94	2.56	24.50	2.58	26.19	2.64	27.32	2.69
	104.0	20.34	2.56	21.33	2.56	22.29	2.56	22.76	2.56	24.15	2.56	25.05	2.56
	109.4	16.35	1.77	17.03	1.77	17.69	1.77	18.02	1.77	18.98	1.77	19.60	1.77
	114.8	10.38	0.98	10.76	0.98	11.12	0.98	11.30	0.98	11.83	0.98	12.17	0.98
FDXS12L + FTXS18L	68.0	25.61	2.18	26.76	2.23	27.92	2.27	28.49	2.29	30.22	2.36	31.37	2.40
	77.0	24.45	2.32	25.60	2.36	26.75	2.40	27.33	2.42	29.06	2.49	30.21	2.53
	86.0	23.28	2.46	24.44	2.50	25.59	2.55	26.16	2.57	27.89	2.63	29.04	2.68
	89.6	22.82	2.52	23.97	2.56	25.12	2.61	25.70	2.63	27.43	2.69	28.58	2.74
	95.0	22.12	2.61	23.27	2.66	24.42	2.70	25.00	2.72	26.73	2.79	27.88	2.83
	104.0	20.45	2.56	21.42	2.56	22.38	2.56	22.84	2.56	24.21	2.56	25.10	2.56
	109.4	16.48	1.77	17.15	1.77	17.80	1.77	18.12	1.77	19.07	1.77	19.68	1.77
	114.8	10.48	0.98	10.85	0.98	11.21	0.98	11.39	0.98	11.91	0.98	12.25	0.98
FDXS12L + CDXS18L	68.0	24.38	2.18	25.48	2.22	26.58	2.26	27.12	2.28	28.77	2.35	29.87	2.39
	77.0	23.28	2.31	24.37	2.35	25.47	2.39	26.02	2.42	27.66	2.48	28.76	2.52
	86.0	22.17	2.45	23.26	2.49	24.36	2.54	24.91	2.56	26.55	2.62	27.65	2.67
	89.6	21.72	2.51	22.82	2.55	23.92	2.60	24.46	2.62	26.11	2.68	27.21	2.73
	95.0	21.06	2.60	22.16	2.65	23.25	2.69	23.80	2.71	25.44	2.78	26.54	2.82
	104.0	19.54	2.56	20.48	2.56	21.40	2.56	21.85	2.56	23.17	2.56	24.03	2.56
	109.4	15.89	1.77	16.53	1.77	17.16	1.77	17.48	1.77	18.39	1.77	18.98	1.77
	114.8	10.17	0.98	10.53	0.98	10.88	0.98	11.05	0.98	11.55	0.98	11.88	0.98
FTXS15L + FTXS15L	68.0	26.84	2.05	28.05	2.09	29.26	2.13	29.86	2.15	31.67	2.21	32.88	2.25
	77.0	25.62	2.17	26.83	2.21	28.04	2.25	28.64	2.27	30.45	2.33	31.66	2.37
	86.0	24.40	2.31	25.61	2.35	26.82	2.39	27.42	2.41	29.23	2.47	30.44	2.51
	89.6	23.91	2.36	25.12	2.40	26.33	2.44	26.93	2.46	28.74	2.53	29.95	2.57
	95.0	23.18	2.45	24.39	2.49	25.60	2.53	26.20	2.55	28.01	2.61	29.22	2.65
	104.0	21.81	2.56	22.86	2.56	23.88	2.56	24.39	2.56	25.86	2.56	26.81	2.56
	109.4	17.29	1.77	18.01	1.77	18.71	1.77	19.06	1.77	20.07	1.77	20.73	1.77
	114.8	10.86	0.98	11.26	0.98	11.65	0.98	11.84	0.98	12.40	0.98	12.76	0.98
CDXS15L + FTXS15L	68.0	25.82	2.05	26.98	2.09	28.14	2.13	28.72	2.15	30.46	2.21	31.62	2.25
	77.0	24.64	2.17	25.81	2.21	26.97	2.25	27.55	2.27	29.29	2.33	30.45	2.37
	86.0	23.47	2.31	24.63	2.35	25.79	2.39	26.37	2.41	28.11	2.47	29.28	2.51
	89.6	23.00	2.36	24.16	2.40	25.32	2.44	25.90	2.46	27.65	2.53	28.81	2.57
	95.0	22.30	2.45	23.46	2.49	24.62	2.53	25.20	2.55	26.94	2.61	28.10	2.65
	104.0	20.99	2.56	22.01	2.56	23.00	2.56	23.49	2.56	24.91	2.56	25.84	2.56
	109.4	16.76	1.77	17.46	1.77	18.14	1.77	18.48	1.77	19.46	1.77	20.10	1.77
	114.8	10.59	0.98	10.97	0.98	11.35	0.98	11.53	0.98	12.07	0.98	12.43	0.98
CDXS15L + CDXS15L	68.0	25.20	2.14	26.34	2.19	27.47	2.23	28.04	2.25	29.74	2.31	30.87	2.36
	77.0	24.06	2.27	25.19	2.32	26.32	2.36	26.89	2.38	28.59	2.44	29.72	2.49
	86.0	22.91	2.41	24.05	2.46	25.18	2.50	25.75	2.52	27.45	2.58	28.58	2.63
	89.6	22.45	2.47	23.59	2.52	24.72	2.56	25.29	2.58	26.99	2.64	28.12	2.69
	95.0	21.77	2.57	22.90	2.61	24.03	2.65	24.60	2.67	26.30	2.74	27.43	2.78
	104.0	20.23	2.56	21.20	2.56	22.15	2.56	22.62	2.56	23.98	2.56	24.87	2.56
	109.4	16.32	1.77	16.98	1.77	17.64	1.77	17.96	1.77	18.90	1.77	19.51	1.77
	114.8	10.39	0.98	10.75	0.98	11.11	0.98	11.29	0.98	11.81	0.98	12.15	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS15L + FTXS18L	68.0	27.56	2.15	28.80	2.19	30.04	2.24	30.66	2.26	32.52	2.32	33.76	2.37
	77.0	26.31	2.28	27.55	2.32	28.79	2.37	29.41	2.39	31.26	2.45	32.50	2.50
	86.0	25.05	2.42	26.29	2.47	27.53	2.51	28.15	2.53	30.01	2.59	31.25	2.64
	89.6	24.55	2.48	25.79	2.53	27.03	2.57	27.65	2.59	29.51	2.65	30.75	2.70
	95.0	23.80	2.58	25.04	2.62	26.28	2.66	26.90	2.68	28.76	2.75	30.00	2.79
	104.0	22.01	2.56	23.05	2.56	24.07	2.56	24.56	2.56	26.03	2.56	26.97	2.56
	109.4	17.47	1.77	18.18	1.77	18.88	1.77	19.22	1.77	20.23	1.77	20.88	1.77
	114.8	10.98	0.98	11.38	0.98	11.76	0.98	11.95	0.98	12.51	0.98	12.87	0.98
FTXS15L + CDXS18L	68.0	26.23	2.14	27.41	2.19	28.59	2.23	29.18	2.25	30.95	2.31	32.12	2.36
	77.0	25.04	2.27	26.21	2.32	27.39	2.36	27.98	2.38	29.75	2.44	30.93	2.49
	86.0	23.84	2.41	25.02	2.46	26.20	2.50	26.79	2.52	28.56	2.58	29.74	2.63
	89.6	23.37	2.47	24.55	2.52	25.73	2.56	26.32	2.58	28.08	2.64	29.26	2.69
	95.0	22.65	2.57	23.83	2.61	25.01	2.65	25.60	2.67	27.37	2.74	28.55	2.78
	104.0	21.01	2.56	22.02	2.56	23.00	2.56	23.48	2.56	24.89	2.56	25.80	2.56
	109.4	16.82	1.77	17.51	1.77	18.18	1.77	18.52	1.77	19.49	1.77	20.12	1.77
	114.8	10.65	0.98	11.03	0.98	11.40	0.98	11.58	0.98	12.12	0.98	12.46	0.98
CDXS15L + FTXS18L	68.0	26.23	2.10	27.41	2.14	28.59	2.18	29.18	2.20	30.95	2.26	32.12	2.30
	77.0	25.04	2.22	26.21	2.26	27.39	2.31	27.98	2.33	29.75	2.39	30.93	2.43
	86.0	23.84	2.36	25.02	2.40	26.20	2.44	26.79	2.46	28.56	2.53	29.74	2.57
	89.6	23.37	2.42	24.55	2.46	25.73	2.50	26.32	2.52	28.08	2.58	29.26	2.63
	95.0	22.65	2.51	23.83	2.55	25.01	2.59	25.60	2.61	27.37	2.68	28.55	2.72
	104.0	21.16	2.56	22.17	2.56	23.16	2.56	23.65	2.56	25.08	2.56	26.00	2.56
	109.4	16.89	1.77	17.59	1.77	18.27	1.77	18.60	1.77	19.59	1.77	20.23	1.77
	114.8	10.67	0.98	11.05	0.98	11.43	0.98	11.61	0.98	12.16	0.98	12.51	0.98
CDXS15L + CDXS18L	68.0	25.61	2.18	26.76	2.23	27.92	2.27	28.49	2.29	30.22	2.36	31.37	2.40
	77.0	24.45	2.32	25.60	2.36	26.75	2.40	27.33	2.42	29.06	2.49	30.21	2.53
	86.0	23.28	2.46	24.44	2.50	25.59	2.55	26.16	2.57	27.89	2.63	29.04	2.68
	89.6	22.82	2.52	23.97	2.56	25.12	2.61	25.70	2.63	27.43	2.69	28.58	2.74
	95.0	22.12	2.61	23.27	2.66	24.42	2.70	25.00	2.72	26.73	2.79	27.88	2.83
	104.0	20.45	2.56	21.42	2.56	22.38	2.56	22.84	2.56	24.21	2.56	25.10	2.56
	109.4	16.48	1.77	17.15	1.77	17.80	1.77	18.12	1.77	19.07	1.77	19.68	1.77
	114.8	10.48	0.98	10.85	0.98	11.21	0.98	11.39	0.98	11.91	0.98	12.25	0.98
FTXS18L + FTXS18L	68.0	28.28	2.30	29.55	2.34	30.82	2.39	31.46	2.41	33.36	2.48	34.63	2.53
	77.0	26.99	2.43	28.26	2.48	29.53	2.53	30.17	2.55	32.08	2.62	33.35	2.66
	86.0	25.71	2.59	26.98	2.63	28.25	2.68	28.89	2.70	30.79	2.77	32.06	2.81
	89.6	25.19	2.65	26.46	2.70	27.74	2.74	28.37	2.76	30.28	2.83	31.55	2.88
	95.0	24.42	2.75	25.69	2.79	26.96	2.84	27.60	2.86	29.51	2.93	30.78	2.98
	104.0	22.16	2.56	23.19	2.56	24.19	2.56	24.68	2.56	26.12	2.56	27.05	2.56
	109.4	17.64	1.77	18.34	1.77	19.03	1.77	19.37	1.77	20.36	1.77	21.00	1.77
	114.8	11.11	0.98	11.50	0.98	11.88	0.98	12.07	0.98	12.61	0.98	12.97	0.98
CDXS18L + FTXS18L	68.0	27.05	2.29	28.26	2.33	29.48	2.38	30.09	2.40	31.91	2.47	33.13	2.52
	77.0	25.82	2.43	27.03	2.47	28.25	2.52	28.86	2.54	30.68	2.61	31.90	2.65
	86.0	24.59	2.58	25.80	2.62	27.02	2.67	27.63	2.69	29.45	2.76	30.67	2.80
	89.6	24.10	2.64	25.31	2.69	26.53	2.73	27.14	2.75	28.96	2.82	30.18	2.87
	95.0	23.36	2.74	24.58	2.78	25.79	2.83	26.40	2.85	28.22	2.92	29.44	2.97
	104.0	21.30	2.56	22.29	2.56	23.26	2.56	23.73	2.56	25.13	2.56	26.03	2.56
	109.4	17.08	1.77	17.76	1.77	18.42	1.77	18.75	1.77	19.71	1.77	20.34	1.77
	114.8	10.82	0.98	11.19	0.98	11.56	0.98	11.74	0.98	12.27	0.98	12.62	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CDXS18L + CDXS18L	68.0	26.43	2.38	27.62	2.42	28.81	2.47	29.40	2.50	31.19	2.57	32.38	2.61
	77.0	25.23	2.52	26.42	2.57	27.61	2.61	28.20	2.64	29.99	2.71	31.17	2.76
	86.0	24.03	2.68	25.22	2.72	26.41	2.77	27.00	2.79	28.78	2.87	29.97	2.91
	89.6	23.55	2.74	24.74	2.79	25.93	2.84	26.52	2.86	28.30	2.93	29.49	2.98
	95.0	22.83	2.84	24.02	2.89	25.21	2.94	25.80	2.96	27.58	3.03	28.77	3.08
	104.0	20.74	2.56	21.69	2.56	22.63	2.56	23.09	2.56	24.44	2.56	25.31	2.56
	109.4	16.76	1.77	17.42	1.77	18.06	1.77	18.38	1.77	19.30	1.77	19.91	1.77
	114.8	10.68	0.98	11.04	0.98	11.40	0.98	11.57	0.98	12.09	0.98	12.42	0.98
CTXS07L + CTXS07L + CTXS07L	68.0	23.87	1.45	24.94	1.48	26.02	1.51	26.55	1.53	28.16	1.57	29.24	1.60
	77.0	22.79	1.54	23.86	1.57	24.93	1.60	25.47	1.61	27.08	1.66	28.15	1.69
	86.0	21.70	1.64	22.77	1.67	23.85	1.69	24.38	1.71	26.00	1.75	27.07	1.78
	89.6	21.27	1.68	22.34	1.71	23.41	1.73	23.95	1.75	25.56	1.79	26.63	1.82
	95.0	20.62	1.74	21.69	1.77	22.76	1.80	23.30	1.81	24.91	1.86	25.98	1.88
	104.0	19.53	1.85	20.60	1.88	21.68	1.91	22.22	1.92	23.83	1.97	24.90	2.00
	109.4	17.96	1.77	18.78	1.77	19.58	1.77	19.98	1.77	21.12	1.77	21.87	1.77
	114.8	11.04	0.98	11.49	0.98	11.93	0.98	12.15	0.98	12.78	0.98	13.19	0.98
CTXS07L + CTXS07L + CTXS09H	68.0	24.18	1.49	25.27	1.52	26.35	1.55	26.90	1.57	28.53	1.61	29.61	1.64
	77.0	23.08	1.58	24.17	1.61	25.25	1.64	25.80	1.66	27.43	1.70	28.52	1.73
	86.0	21.98	1.68	23.07	1.71	24.16	1.74	24.70	1.76	26.33	1.80	27.42	1.83
	89.6	21.54	1.72	22.63	1.75	23.72	1.78	24.26	1.80	25.89	1.84	26.98	1.87
	95.0	20.88	1.79	21.97	1.82	23.06	1.85	23.60	1.86	25.23	1.91	26.32	1.94
	104.0	19.78	1.90	20.87	1.93	21.96	1.96	22.50	1.98	24.13	2.02	25.22	2.05
	109.4	17.90	1.77	18.72	1.77	19.51	1.77	19.90	1.77	21.04	1.77	21.78	1.77
	114.8	11.02	0.98	11.47	0.98	11.90	0.98	12.12	0.98	12.75	0.98	13.15	0.98
CTXS07L + CTXS07L + FDXS09L	68.0	23.56	1.56	24.62	1.59	25.68	1.62	26.21	1.64	27.80	1.68	28.86	1.71
	77.0	22.49	1.65	23.55	1.68	24.61	1.71	25.14	1.73	26.73	1.78	27.79	1.81
	86.0	21.42	1.75	22.48	1.78	23.54	1.82	24.07	1.83	25.66	1.88	26.72	1.91
	89.6	20.99	1.80	22.05	1.83	23.11	1.86	23.64	1.87	25.23	1.92	26.29	1.95
	95.0	20.35	1.86	21.41	1.90	22.47	1.93	23.00	1.94	24.59	1.99	25.65	2.02
	104.0	19.28	1.98	20.34	2.01	21.40	2.05	21.93	2.06	23.52	2.11	24.58	2.14
	109.4	17.08	1.77	17.86	1.77	18.61	1.77	18.98	1.77	20.06	1.77	20.76	1.77
	114.8	10.61	0.98	11.04	0.98	11.45	0.98	11.66	0.98	12.25	0.98	12.64	0.98
CTXS07L + CTXS07L + CTXS12H	68.0	25.00	1.58	26.12	1.61	27.25	1.64	27.81	1.66	29.49	1.71	30.62	1.74
	77.0	23.86	1.68	24.99	1.71	26.11	1.74	26.67	1.76	28.36	1.80	29.48	1.83
	86.0	22.73	1.78	23.85	1.81	24.97	1.84	25.54	1.86	27.22	1.91	28.35	1.94
	89.6	22.27	1.82	23.40	1.86	24.52	1.89	25.08	1.90	26.77	1.95	27.89	1.98
	95.0	21.59	1.89	22.71	1.92	23.84	1.96	24.40	1.97	26.09	2.02	27.21	2.05
	104.0	20.45	2.01	21.58	2.05	22.70	2.08	23.26	2.09	24.95	2.14	26.07	2.17
	109.4	17.92	1.77	18.72	1.77	19.50	1.77	19.89	1.77	21.01	1.77	21.74	1.77
	114.8	11.05	0.98	11.49	0.98	11.92	0.98	12.14	0.98	12.76	0.98	13.16	0.98
CTXS07L + CTXS07L + FDXS12L	68.0	24.59	1.69	25.69	1.72	26.80	1.75	27.35	1.77	29.01	1.82	30.12	1.85
	77.0	23.47	1.79	24.58	1.82	25.68	1.86	26.24	1.87	27.89	1.92	29.00	1.96
	86.0	22.35	1.90	23.46	1.93	24.56	1.97	25.12	1.98	26.78	2.03	27.88	2.07
	89.6	21.91	1.95	23.01	1.98	24.12	2.01	24.67	2.03	26.33	2.08	27.43	2.11
	95.0	21.24	2.02	22.34	2.05	23.45	2.09	24.00	2.10	25.66	2.15	26.76	2.19
	104.0	20.12	2.15	21.22	2.18	22.33	2.21	22.88	2.23	24.54	2.28	25.65	2.32
	109.4	17.12	1.77	17.88	1.77	18.62	1.77	18.98	1.77	20.05	1.77	20.73	1.77
	114.8	10.67	0.98	11.09	0.98	11.49	0.98	11.69	0.98	12.28	0.98	12.66	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FTXS15L	68.0	26.12	1.63	27.30	1.66	28.47	1.70	29.06	1.71	30.82	1.76	32.00	1.79
	77.0	24.94	1.73	26.11	1.76	27.29	1.79	27.87	1.81	29.64	1.86	30.81	1.89
	86.0	23.75	1.84	24.93	1.87	26.10	1.90	26.69	1.92	28.45	1.97	29.62	2.00
	89.6	23.28	1.88	24.45	1.91	25.62	1.95	26.21	1.96	27.97	2.01	29.15	2.04
	95.0	22.56	1.95	23.74	1.98	24.91	2.02	25.50	2.03	27.26	2.08	28.44	2.11
	104.0	21.38	2.08	22.55	2.11	23.73	2.14	24.31	2.16	26.07	2.21	27.25	2.24
	109.4	18.38	1.77	19.20	1.77	20.00	1.77	20.39	1.77	21.53	1.77	22.28	1.77
	114.8	11.31	0.98	11.76	0.98	12.19	0.98	12.41	0.98	13.04	0.98	13.45	0.98
CTXS07L + CTXS07L + CDXS15L	68.0	25.00	1.65	26.12	1.68	27.25	1.71	27.81	1.73	29.49	1.78	30.62	1.81
	77.0	23.86	1.75	24.99	1.78	26.11	1.81	26.67	1.83	28.36	1.88	29.48	1.91
	86.0	22.73	1.85	23.85	1.89	24.97	1.92	25.54	1.94	27.22	1.98	28.35	2.02
	89.6	22.27	1.90	23.40	1.93	24.52	1.96	25.08	1.98	26.77	2.03	27.89	2.06
	95.0	21.59	1.97	22.71	2.00	23.84	2.04	24.40	2.05	26.09	2.10	27.21	2.13
	104.0	20.45	2.10	21.58	2.13	22.70	2.16	23.26	2.18	24.95	2.23	26.07	2.26
	109.4	17.57	1.77	18.35	1.77	19.11	1.77	19.49	1.77	20.58	1.77	21.29	1.77
	114.8	10.89	0.98	11.32	0.98	11.74	0.98	11.95	0.98	12.55	0.98	12.94	0.98
CTXS07L + CTXS07L + FTXS18L	68.0	26.84	1.72	28.05	1.75	29.26	1.79	29.86	1.80	31.67	1.86	32.88	1.89
	77.0	25.62	1.82	26.83	1.86	28.04	1.89	28.64	1.91	30.45	1.96	31.66	1.99
	86.0	24.40	1.93	25.61	1.97	26.82	2.00	27.42	2.02	29.23	2.07	30.44	2.11
	89.6	23.91	1.98	25.12	2.02	26.33	2.05	26.93	2.07	28.74	2.12	29.95	2.15
	95.0	23.18	2.06	24.39	2.09	25.60	2.13	26.20	2.14	28.01	2.19	29.22	2.23
	104.0	21.96	2.19	23.17	2.22	24.38	2.26	24.98	2.27	26.79	2.33	28.00	2.36
	109.4	18.38	1.77	19.18	1.77	19.97	1.77	20.35	1.77	21.48	1.77	22.22	1.77
	114.8	11.33	0.98	11.77	0.98	12.20	0.98	12.42	0.98	13.04	0.98	13.44	0.98
CTXS07L + CTXS07L + CDXS18L	68.0	25.72	1.73	26.87	1.77	28.03	1.80	28.61	1.82	30.34	1.87	31.50	1.91
	77.0	24.55	1.84	25.70	1.87	26.86	1.91	27.44	1.93	29.17	1.98	30.33	2.01
	86.0	23.38	1.95	24.53	1.99	25.69	2.02	26.27	2.04	28.00	2.09	29.16	2.13
	89.6	22.91	2.00	24.07	2.04	25.22	2.07	25.80	2.09	27.54	2.14	28.69	2.17
	95.0	22.21	2.08	23.37	2.11	24.52	2.15	25.10	2.16	26.83	2.21	27.99	2.25
	104.0	21.04	2.21	22.20	2.24	23.35	2.28	23.93	2.29	25.67	2.35	26.82	2.38
	109.4	17.61	1.77	18.38	1.77	19.14	1.77	19.51	1.77	20.59	1.77	21.29	1.77
	114.8	10.94	0.98	11.36	0.98	11.78	0.98	11.98	0.98	12.58	0.98	12.97	0.98
CTXS07L + CTXS09H + CTXS09H	68.0	24.59	1.53	25.69	1.56	26.80	1.59	27.35	1.61	29.01	1.66	30.12	1.69
	77.0	23.47	1.63	24.58	1.66	25.68	1.69	26.24	1.70	27.89	1.75	29.00	1.78
	86.0	22.35	1.73	23.46	1.76	24.56	1.79	25.12	1.80	26.78	1.85	27.88	1.88
	89.6	21.91	1.77	23.01	1.80	24.12	1.83	24.67	1.85	26.33	1.89	27.43	1.92
	95.0	21.24	1.84	22.34	1.87	23.45	1.90	24.00	1.91	25.66	1.96	26.76	1.99
	104.0	20.12	1.95	21.22	1.98	22.33	2.01	22.88	2.03	24.54	2.08	25.65	2.11
	109.4	17.93	1.77	18.74	1.77	19.53	1.77	19.92	1.77	21.05	1.77	21.79	1.77
	114.8	11.04	0.98	11.49	0.98	11.92	0.98	12.14	0.98	12.76	0.98	13.17	0.98
CTXS07L + CTXS09H + FDXS09L	68.0	24.28	1.65	25.37	1.68	26.46	1.71	27.01	1.73	28.65	1.78	29.74	1.81
	77.0	23.18	1.75	24.27	1.78	25.36	1.81	25.91	1.83	27.54	1.88	28.64	1.91
	86.0	22.07	1.85	23.17	1.89	24.26	1.92	24.80	1.94	26.44	1.98	27.53	2.02
	89.6	21.63	1.90	22.72	1.93	23.82	1.96	24.36	1.98	26.00	2.03	27.09	2.06
	95.0	20.97	1.97	22.06	2.00	23.15	2.04	23.70	2.05	25.34	2.10	26.43	2.13
	104.0	19.87	2.10	20.96	2.13	22.05	2.16	22.60	2.18	24.23	2.23	25.33	2.26
	109.4	17.11	1.77	17.87	1.77	18.61	1.77	18.98	1.77	20.05	1.77	20.74	1.77
	114.8	10.65	0.98	11.07	0.98	11.48	0.98	11.68	0.98	12.27	0.98	12.65	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FDXS09L	68.0	23.97	1.75	25.05	1.79	26.13	1.82	26.67	1.84	28.29	1.89	29.36	1.92
	77.0	22.88	1.86	23.96	1.89	25.04	1.93	25.58	1.94	27.20	2.00	28.27	2.03
	86.0	21.79	1.97	22.87	2.01	23.95	2.04	24.49	2.06	26.11	2.11	27.18	2.15
	89.6	21.36	2.02	22.44	2.05	23.51	2.09	24.05	2.11	25.67	2.16	26.75	2.19
	95.0	20.70	2.10	21.78	2.13	22.86	2.16	23.40	2.18	25.02	2.23	26.10	2.27
	104.0	19.62	2.23	20.69	2.26	21.77	2.30	22.31	2.32	23.93	2.37	25.01	2.40
	109.4	16.49	1.77	17.21	1.77	17.92	1.77	18.27	1.77	19.28	1.77	19.94	1.77
	114.8	10.36	0.98	10.76	0.98	11.15	0.98	11.34	0.98	11.90	0.98	12.27	0.98
CTXS07L + CTXS09H + CTXS12H	68.0	25.31	1.62	26.44	1.65	27.58	1.69	28.15	1.70	29.86	1.75	31.00	1.78
	77.0	24.16	1.72	25.29	1.75	26.43	1.78	27.00	1.80	28.71	1.85	29.85	1.88
	86.0	23.01	1.83	24.14	1.86	25.28	1.89	25.85	1.91	27.56	1.96	28.70	1.99
	89.6	22.55	1.87	23.68	1.90	24.82	1.94	25.39	1.95	27.10	2.00	28.23	2.03
	95.0	21.86	1.94	22.99	1.97	24.13	2.01	24.70	2.02	26.41	2.07	27.54	2.10
	104.0	20.70	2.07	21.84	2.10	22.98	2.13	23.55	2.15	25.26	2.19	26.39	2.23
	109.4	17.89	1.77	18.69	1.77	19.47	1.77	19.85	1.77	20.97	1.77	21.69	1.77
	114.8	11.05	0.98	11.49	0.98	11.92	0.98	12.13	0.98	12.75	0.98	13.14	0.98
CTXS07L + CTXS09H + FDXS12L	68.0	24.90	1.73	26.02	1.76	27.13	1.80	27.69	1.81	29.37	1.86	30.49	1.90
	77.0	23.76	1.83	24.88	1.86	26.00	1.90	26.56	1.92	28.24	1.97	29.36	2.00
	86.0	22.63	1.94	23.75	1.98	24.87	2.01	25.43	2.03	27.11	2.08	28.23	2.12
	89.6	22.18	1.99	23.30	2.03	24.42	2.06	24.98	2.08	26.66	2.13	27.78	2.16
	95.0	21.50	2.07	22.62	2.10	23.74	2.14	24.30	2.15	25.98	2.20	27.10	2.24
	104.0	20.37	2.20	21.49	2.23	22.61	2.27	23.17	2.28	24.85	2.34	25.97	2.37
	109.4	17.14	1.77	17.90	1.77	18.63	1.77	18.99	1.77	20.05	1.77	20.74	1.77
	114.8	10.69	0.98	11.11	0.98	11.51	0.98	11.71	0.98	12.30	0.98	12.67	0.98
CTXS07L + FDXS09L + CTXS12H	68.0	24.90	1.73	26.02	1.76	27.13	1.80	27.69	1.81	29.37	1.86	30.49	1.90
	77.0	23.76	1.83	24.88	1.86	26.00	1.90	26.56	1.92	28.24	1.97	29.36	2.00
	86.0	22.63	1.94	23.75	1.98	24.87	2.01	25.43	2.03	27.11	2.08	28.23	2.12
	89.6	22.18	1.99	23.30	2.03	24.42	2.06	24.98	2.08	26.66	2.13	27.78	2.16
	95.0	21.50	2.07	22.62	2.10	23.74	2.14	24.30	2.15	25.98	2.20	27.10	2.24
	104.0	20.37	2.20	21.49	2.23	22.61	2.27	23.17	2.28	24.85	2.34	25.97	2.37
	109.4	17.14	1.77	17.90	1.77	18.63	1.77	18.99	1.77	20.05	1.77	20.74	1.77
	114.8	10.69	0.98	11.11	0.98	11.51	0.98	11.71	0.98	12.30	0.98	12.67	0.98
CTXS07L + FDXS09L + FDXS12L	68.0	24.59	1.83	25.69	1.87	26.80	1.90	27.35	1.92	29.01	1.98	30.12	2.01
	77.0	23.47	1.94	24.58	1.98	25.68	2.01	26.24	2.03	27.89	2.09	29.00	2.12
	86.0	22.35	2.06	23.46	2.10	24.56	2.13	25.12	2.15	26.78	2.21	27.88	2.24
	89.6	21.91	2.11	23.01	2.15	24.12	2.18	24.67	2.20	26.33	2.26	27.43	2.29
	95.0	21.24	2.19	22.34	2.23	23.45	2.26	24.00	2.28	25.66	2.34	26.76	2.37
	104.0	20.12	2.33	21.22	2.37	22.33	2.40	22.88	2.42	24.54	2.48	25.65	2.51
	109.4	16.59	1.77	17.31	1.77	18.01	1.77	18.36	1.77	19.37	1.77	20.02	1.77
	114.8	10.44	0.98	10.83	0.98	11.22	0.98	11.41	0.98	11.97	0.98	12.33	0.98
CTXS07L + CTXS09H + FTXS15L	68.0	26.43	1.68	27.62	1.71	28.81	1.75	29.40	1.76	31.19	1.81	32.38	1.85
	77.0	25.23	1.78	26.42	1.81	27.61	1.85	28.20	1.86	29.99	1.91	31.17	1.95
	86.0	24.03	1.89	25.22	1.92	26.41	1.96	27.00	1.97	28.78	2.02	29.97	2.06
	89.6	23.55	1.94	24.74	1.97	25.93	2.00	26.52	2.02	28.30	2.07	29.49	2.10
	95.0	22.83	2.01	24.02	2.04	25.21	2.08	25.80	2.09	27.58	2.14	28.77	2.18
	104.0	21.63	2.14	22.82	2.17	24.00	2.20	24.60	2.22	26.38	2.27	27.57	2.30
	109.4	18.32	1.77	19.13	1.77	19.92	1.77	20.31	1.77	21.44	1.77	22.17	1.77
	114.8	11.29	0.98	11.73	0.98	12.17	0.98	12.38	0.98	13.01	0.98	13.41	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + CDXS15L	68.0	25.41	1.69	26.55	1.72	27.69	1.75	28.26	1.77	29.98	1.82	31.12	1.85
	77.0	24.25	1.79	25.40	1.82	26.54	1.86	27.11	1.87	28.82	1.92	29.97	1.96
	86.0	23.10	1.90	24.24	1.93	25.38	1.97	25.95	1.98	27.67	2.03	28.81	2.07
	89.6	22.64	1.95	23.78	1.98	24.92	2.01	25.49	2.03	27.21	2.08	28.35	2.11
	95.0	21.94	2.02	23.09	2.05	24.23	2.09	24.80	2.10	26.51	2.15	27.66	2.19
	104.0	20.79	2.15	21.93	2.18	23.07	2.21	23.65	2.23	25.36	2.28	26.50	2.32
	109.4	17.64	1.77	18.42	1.77	19.18	1.77	19.55	1.77	20.64	1.77	21.35	1.77
	114.8	10.94	0.98	11.36	0.98	11.78	0.98	11.99	0.98	12.59	0.98	12.98	0.98
CTXS07L + FDXS09L + FTXS15L	68.0	26.02	1.74	27.19	1.78	28.36	1.81	28.95	1.83	30.70	1.88	31.87	1.92
	77.0	24.84	1.85	26.01	1.88	27.18	1.92	27.77	1.93	29.52	1.99	30.69	2.02
	86.0	23.66	1.96	24.83	2.00	26.00	2.03	26.58	2.05	28.34	2.10	29.51	2.14
	89.6	23.18	2.01	24.35	2.04	25.52	2.08	26.11	2.10	27.86	2.15	29.04	2.18
	95.0	22.47	2.09	23.64	2.12	24.81	2.15	25.40	2.17	27.16	2.22	28.33	2.26
	104.0	21.29	2.22	22.46	2.25	23.63	2.29	24.22	2.31	25.97	2.36	27.14	2.39
	109.4	17.76	1.77	18.54	1.77	19.30	1.77	19.67	1.77	20.76	1.77	21.47	1.77
	114.8	11.02	0.98	11.45	0.98	11.86	0.98	12.07	0.98	12.67	0.98	13.06	0.98
CTXS07L + FDXS09L + CDXS15L	68.0	25.00	1.80	26.12	1.83	27.25	1.87	27.81	1.89	29.49	1.94	30.62	1.98
	77.0	23.86	1.91	24.99	1.94	26.11	1.98	26.67	2.00	28.36	2.05	29.48	2.09
	86.0	22.73	2.02	23.85	2.06	24.97	2.10	25.54	2.11	27.22	2.17	28.35	2.20
	89.6	22.27	2.07	23.40	2.11	24.52	2.15	25.08	2.16	26.77	2.22	27.89	2.25
	95.0	21.59	2.15	22.71	2.19	23.84	2.22	24.40	2.24	26.09	2.30	27.21	2.33
	104.0	20.45	2.29	21.58	2.33	22.70	2.36	23.26	2.38	24.95	2.43	26.07	2.47
	109.4	16.93	1.77	17.67	1.77	18.39	1.77	18.74	1.77	19.78	1.77	20.45	1.77
	114.8	10.61	0.98	11.01	0.98	11.41	0.98	11.60	0.98	12.17	0.98	12.54	0.98
CTXS07L + CTXS09H + FTXS18L	68.0	27.15	1.77	28.37	1.80	29.59	1.84	30.20	1.85	32.03	1.91	33.25	1.94
	77.0	25.92	1.87	27.14	1.91	28.36	1.94	28.97	1.96	30.80	2.01	32.02	2.05
	86.0	24.68	1.99	25.90	2.02	27.12	2.06	27.73	2.08	29.57	2.13	30.79	2.16
	89.6	24.19	2.04	25.41	2.07	26.63	2.11	27.24	2.13	29.07	2.18	30.29	2.21
	95.0	23.45	2.11	24.67	2.15	25.89	2.18	26.50	2.20	28.33	2.26	29.55	2.29
	104.0	22.21	2.25	23.43	2.28	24.66	2.32	25.27	2.34	27.10	2.39	28.32	2.43
	109.4	18.34	1.77	19.14	1.77	19.92	1.77	20.30	1.77	21.42	1.77	22.14	1.77
	114.8	11.32	0.98	11.76	0.98	12.19	0.98	12.40	0.98	13.02	0.98	13.42	0.98
CTXS07L + CTXS09H + CDXS18L	68.0	25.92	1.77	27.09	1.81	28.25	1.85	28.83	1.86	30.58	1.92	31.75	1.95
	77.0	24.74	1.88	25.91	1.92	27.07	1.95	27.66	1.97	29.40	2.02	30.57	2.06
	86.0	23.56	2.00	24.73	2.03	25.90	2.07	26.48	2.09	28.23	2.14	29.39	2.17
	89.6	23.09	2.05	24.26	2.08	25.42	2.12	26.01	2.14	27.76	2.19	28.92	2.22
	95.0	22.39	2.12	23.55	2.16	24.72	2.19	25.30	2.21	27.05	2.27	28.21	2.30
	104.0	21.21	2.26	22.37	2.30	23.54	2.33	24.12	2.35	25.87	2.40	27.04	2.44
	109.4	17.57	1.77	18.34	1.77	19.08	1.77	19.45	1.77	20.52	1.77	21.22	1.77
	114.8	10.93	0.98	11.35	0.98	11.76	0.98	11.96	0.98	12.55	0.98	12.94	0.98
CTXS07L + FDXS09L + FTXS18L	68.0	26.74	1.83	27.94	1.87	29.14	1.90	29.75	1.92	31.55	1.98	32.75	2.01
	77.0	25.52	1.94	26.73	1.98	27.93	2.01	28.53	2.03	30.33	2.09	31.54	2.12
	86.0	24.31	2.06	25.51	2.10	26.71	2.13	27.32	2.15	29.12	2.21	30.32	2.24
	89.6	23.82	2.11	25.03	2.15	26.23	2.18	26.83	2.20	28.63	2.26	29.84	2.29
	95.0	23.09	2.19	24.30	2.23	25.50	2.26	26.10	2.28	27.90	2.34	29.11	2.37
	104.0	21.88	2.33	23.08	2.37	24.28	2.40	24.88	2.42	26.69	2.48	27.89	2.51
	109.4	17.84	1.77	18.61	1.77	19.36	1.77	19.73	1.77	20.81	1.77	21.51	1.77
	114.8	11.08	0.98	11.51	0.98	11.92	0.98	12.12	0.98	12.72	0.98	13.11	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L + CDXS18L	68.0	25.51	1.84	26.66	1.88	27.80	1.91	28.38	1.93	30.10	1.99	31.25	2.02
	77.0	24.35	1.95	25.50	1.99	26.65	2.02	27.22	2.04	28.94	2.10	30.09	2.13
	86.0	23.19	2.07	24.34	2.11	25.49	2.14	26.06	2.16	27.78	2.22	28.93	2.25
	89.6	22.73	2.12	23.87	2.16	25.02	2.19	25.60	2.21	27.32	2.27	28.46	2.30
	95.0	22.03	2.20	23.18	2.24	24.33	2.27	24.90	2.29	26.62	2.35	27.77	2.38
	104.0	20.87	2.34	22.02	2.38	23.17	2.41	23.74	2.43	25.46	2.49	26.61	2.52
	109.4	17.10	1.77	17.84	1.77	18.56	1.77	18.91	1.77	19.95	1.77	20.62	1.77
	114.8	10.70	0.98	11.11	0.98	11.51	0.98	11.70	0.98	12.27	0.98	12.64	0.98
CTXS07L + CTXS12H + CTXS12H	68.0	26.12	1.75	27.30	1.79	28.47	1.82	29.06	1.84	30.82	1.89	32.00	1.92
	77.0	24.94	1.86	26.11	1.89	27.29	1.93	27.87	1.94	29.64	2.00	30.81	2.03
	86.0	23.75	1.97	24.93	2.01	26.10	2.04	26.69	2.06	28.45	2.11	29.62	2.15
	89.6	23.28	2.02	24.45	2.05	25.62	2.09	26.21	2.11	27.97	2.16	29.15	2.19
	95.0	22.56	2.10	23.74	2.13	24.91	2.16	25.50	2.18	27.26	2.23	28.44	2.27
	104.0	21.38	2.23	22.55	2.26	23.73	2.30	24.31	2.32	26.07	2.37	27.25	2.40
	109.4	17.79	1.77	18.57	1.77	19.33	1.77	19.70	1.77	20.79	1.77	21.50	1.77
	114.8	11.03	0.98	11.46	0.98	11.88	0.98	12.09	0.98	12.69	0.98	13.08	0.98
CTXS07L + CTXS12H + FDXS12L	68.0	25.61	1.81	26.76	1.85	27.92	1.89	28.49	1.91	30.22	1.96	31.37	2.00
	77.0	24.45	1.92	25.60	1.96	26.75	2.00	27.33	2.01	29.06	2.07	30.21	2.10
	86.0	23.28	2.04	24.44	2.08	25.59	2.12	26.16	2.13	27.89	2.19	29.04	2.22
	89.6	22.82	2.09	23.97	2.13	25.12	2.17	25.70	2.18	27.43	2.24	28.58	2.27
	95.0	22.12	2.17	23.27	2.21	24.42	2.24	25.00	2.26	26.73	2.32	27.88	2.35
	104.0	20.96	2.31	22.11	2.35	23.26	2.38	23.84	2.40	25.56	2.46	26.72	2.49
	109.4	17.24	1.77	17.99	1.77	18.72	1.77	19.07	1.77	20.12	1.77	20.80	1.77
	114.8	10.77	0.98	11.18	0.98	11.58	0.98	11.78	0.98	12.36	0.98	12.73	0.98
CTXS07L + FDXS12L + FDXS12L	68.0	25.10	1.93	26.23	1.97	27.36	2.00	27.92	2.02	29.62	2.08	30.74	2.12
	77.0	23.96	2.04	25.09	2.08	26.22	2.12	26.78	2.14	28.47	2.20	29.60	2.24
	86.0	22.82	2.17	23.95	2.21	25.08	2.25	25.64	2.27	27.33	2.32	28.46	2.36
	89.6	22.36	2.22	23.49	2.26	24.62	2.30	25.18	2.32	26.88	2.38	28.01	2.42
	95.0	21.68	2.31	22.81	2.34	23.94	2.38	24.50	2.40	26.19	2.46	27.32	2.50
	104.0	20.54	2.45	21.67	2.49	22.79	2.53	23.36	2.55	24.85	2.56	25.78	2.56
	109.4	16.62	1.77	17.33	1.77	18.02	1.77	18.36	1.77	19.36	1.77	20.00	1.77
	114.8	10.48	0.98	10.87	0.98	11.25	0.98	11.44	0.98	11.99	0.98	12.35	0.98
CTXS07L + CTXS12H + FTXS15L	68.0	27.15	1.77	28.37	1.80	29.59	1.84	30.20	1.85	32.03	1.91	33.25	1.94
	77.0	25.92	1.87	27.14	1.91	28.36	1.94	28.97	1.96	30.80	2.01	32.02	2.05
	86.0	24.68	1.99	25.90	2.02	27.12	2.06	27.73	2.08	29.57	2.13	30.79	2.16
	89.6	24.19	2.04	25.41	2.07	26.63	2.11	27.24	2.13	29.07	2.18	30.29	2.21
	95.0	23.45	2.11	24.67	2.15	25.89	2.18	26.50	2.20	28.33	2.26	29.55	2.29
	104.0	22.21	2.25	23.43	2.28	24.66	2.32	25.27	2.34	27.10	2.39	28.32	2.43
	109.4	18.34	1.77	19.14	1.77	19.92	1.77	20.30	1.77	21.42	1.77	22.14	1.77
	114.8	11.32	0.98	11.76	0.98	12.19	0.98	12.40	0.98	13.02	0.98	13.42	0.98
CTXS07L + CTXS12H + CDXS15L	68.0	25.92	1.77	27.09	1.81	28.25	1.85	28.83	1.86	30.58	1.92	31.75	1.95
	77.0	24.74	1.88	25.91	1.92	27.07	1.95	27.66	1.97	29.40	2.02	30.57	2.06
	86.0	23.56	2.00	24.73	2.03	25.90	2.07	26.48	2.09	28.23	2.14	29.39	2.17
	89.6	23.09	2.05	24.26	2.08	25.42	2.12	26.01	2.14	27.76	2.19	28.92	2.22
	95.0	22.39	2.12	23.55	2.16	24.72	2.19	25.30	2.21	27.05	2.27	28.21	2.30
	104.0	21.21	2.26	22.37	2.30	23.54	2.33	24.12	2.35	25.87	2.40	27.04	2.44
	109.4	17.57	1.77	18.34	1.77	19.08	1.77	19.45	1.77	20.52	1.77	21.22	1.77
	114.8	10.93	0.98	11.35	0.98	11.76	0.98	11.96	0.98	12.55	0.98	12.94	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS12L + FTXS15L	68.0	26.74	1.88	27.94	1.92	29.14	1.95	29.75	1.97	31.55	2.03	32.75	2.07
	77.0	25.52	1.99	26.73	2.03	27.93	2.07	28.53	2.09	30.33	2.14	31.54	2.18
	86.0	24.31	2.12	25.51	2.15	26.71	2.19	27.32	2.21	29.12	2.27	30.32	2.30
	89.6	23.82	2.17	25.03	2.21	26.23	2.24	26.83	2.26	28.63	2.32	29.84	2.35
	95.0	23.09	2.25	24.30	2.29	25.50	2.32	26.10	2.34	27.90	2.40	29.11	2.44
	104.0	21.88	2.39	23.08	2.43	24.28	2.47	24.88	2.49	26.69	2.54	27.78	2.56
	109.4	17.67	1.77	18.43	1.77	19.17	1.77	19.53	1.77	20.59	1.77	21.28	1.77
	114.8	11.01	0.98	11.43	0.98	11.83	0.98	12.03	0.98	12.62	0.98	13.00	0.98
CTXS07L + FDXS12L + CDXS15L	68.0	25.51	1.84	26.66	1.88	27.80	1.91	28.38	1.93	30.10	1.99	31.25	2.02
	77.0	24.35	1.95	25.50	1.99	26.65	2.02	27.22	2.04	28.94	2.10	30.09	2.13
	86.0	23.19	2.07	24.34	2.11	25.49	2.14	26.06	2.16	27.78	2.22	28.93	2.25
	89.6	22.73	2.12	23.87	2.16	25.02	2.19	25.60	2.21	27.32	2.27	28.46	2.30
	95.0	22.03	2.20	23.18	2.24	24.33	2.27	24.90	2.29	26.62	2.35	27.77	2.38
	104.0	20.87	2.34	22.02	2.38	23.17	2.41	23.74	2.43	25.46	2.49	26.61	2.52
	109.4	17.10	1.77	17.84	1.77	18.56	1.77	18.91	1.77	19.95	1.77	20.62	1.77
	114.8	10.70	0.98	11.11	0.98	11.51	0.98	11.70	0.98	12.27	0.98	12.64	0.98
CTXS07L + CTXS12H + FTXS18L	68.0	27.97	1.90	29.23	1.94	30.48	1.98	31.11	2.00	33.00	2.05	34.26	2.09
	77.0	26.70	2.02	27.96	2.06	29.21	2.09	29.84	2.11	31.73	2.17	32.99	2.21
	86.0	25.43	2.14	26.68	2.18	27.94	2.22	28.57	2.24	30.46	2.29	31.72	2.33
	89.6	24.92	2.20	26.18	2.23	27.43	2.27	28.06	2.29	29.95	2.35	31.21	2.38
	95.0	24.16	2.28	25.41	2.32	26.67	2.35	27.30	2.37	29.19	2.43	30.44	2.47
	104.0	22.88	2.42	24.14	2.46	25.40	2.50	26.03	2.52	27.83	2.56	28.86	2.56
	109.4	18.28	1.77	19.06	1.77	19.82	1.77	20.19	1.77	21.29	1.77	22.00	1.77
	114.8	11.33	0.98	11.76	0.98	12.18	0.98	12.39	0.98	12.99	0.98	13.38	0.98
CTXS07L + CTXS12H + CDXS18L	68.0	27.46	2.00	28.69	2.04	29.93	2.08	30.54	2.10	32.40	2.16	33.63	2.20
	77.0	26.21	2.12	27.44	2.16	28.68	2.20	29.30	2.22	31.15	2.28	32.38	2.32
	86.0	24.96	2.25	26.20	2.29	27.43	2.33	28.05	2.35	29.90	2.41	31.13	2.45
	89.6	24.46	2.31	25.70	2.35	26.93	2.39	27.55	2.41	29.40	2.47	30.64	2.51
	95.0	23.71	2.39	24.95	2.43	26.18	2.47	26.80	2.49	28.65	2.55	29.89	2.59
	104.0	22.47	2.55	23.60	2.56	24.66	2.56	25.17	2.56	26.69	2.56	27.68	2.56
	109.4	17.72	1.77	18.46	1.77	19.19	1.77	19.55	1.77	20.59	1.77	21.27	1.77
	114.8	11.07	0.98	11.48	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.03	0.98
CTXS07L + FDXS12L + FTXS18L	68.0	27.46	1.97	28.69	2.01	29.93	2.05	30.54	2.07	32.40	2.12	33.63	2.16
	77.0	26.21	2.09	27.44	2.12	28.68	2.16	29.30	2.18	31.15	2.24	32.38	2.28
	86.0	24.96	2.21	26.20	2.25	27.43	2.29	28.05	2.31	29.90	2.37	31.13	2.41
	89.6	24.46	2.27	25.70	2.31	26.93	2.35	27.55	2.37	29.40	2.43	30.64	2.47
	95.0	23.71	2.35	24.95	2.39	26.18	2.43	26.80	2.45	28.65	2.51	29.89	2.55
	104.0	22.47	2.51	23.70	2.54	24.83	2.56	25.36	2.56	26.89	2.56	27.88	2.56
	109.4	17.80	1.77	18.56	1.77	19.29	1.77	19.65	1.77	20.71	1.77	21.39	1.77
	114.8	11.10	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.08	0.98
CTXS07L + FDXS12L + CDXS18L	68.0	26.64	2.02	27.84	2.06	29.03	2.10	29.63	2.12	31.43	2.18	32.63	2.22
	77.0	25.43	2.14	26.62	2.18	27.82	2.22	28.42	2.24	30.22	2.30	31.42	2.34
	86.0	24.22	2.27	25.41	2.31	26.61	2.35	27.21	2.37	29.01	2.43	30.21	2.47
	89.6	23.73	2.33	24.93	2.37	26.13	2.41	26.73	2.43	28.52	2.49	29.72	2.53
	95.0	23.01	2.41	24.20	2.45	25.40	2.49	26.00	2.51	27.80	2.57	28.99	2.61
	104.0	21.77	2.56	22.83	2.56	23.85	2.56	24.36	2.56	25.83	2.56	26.79	2.56
	109.4	17.25	1.77	17.97	1.77	18.68	1.77	19.02	1.77	20.04	1.77	20.70	1.77
	114.8	10.83	0.98	11.23	0.98	11.62	0.98	11.81	0.98	12.37	0.98	12.73	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FTXS15L + FTXS15L	68.0	28.28	1.87	29.55	1.91	30.82	1.95	31.46	1.96	33.36	2.02	34.63	2.06
	77.0	26.99	1.98	28.26	2.02	29.53	2.06	30.17	2.08	32.08	2.13	33.35	2.17
	86.0	25.71	2.11	26.98	2.14	28.25	2.18	28.89	2.20	30.79	2.26	32.06	2.29
	89.6	25.19	2.16	26.46	2.20	27.74	2.23	28.37	2.25	30.28	2.31	31.55	2.34
	95.0	24.42	2.24	25.69	2.28	26.96	2.31	27.60	2.33	29.51	2.39	30.78	2.43
	104.0	23.14	2.38	24.41	2.42	25.68	2.46	26.31	2.48	28.22	2.53	29.44	2.56
	109.4	18.57	1.77	19.36	1.77	20.14	1.77	20.52	1.77	21.64	1.77	22.36	1.77
	114.8	11.47	0.98	11.91	0.98	12.34	0.98	12.55	0.98	13.16	0.98	13.56	0.98
CTXS07L + FTXS15L + CDXS15L	68.0	27.87	1.97	29.12	2.01	30.37	2.05	31.00	2.07	32.88	2.12	34.13	2.16
	77.0	26.60	2.09	27.85	2.12	29.11	2.16	29.73	2.18	31.61	2.24	32.87	2.28
	86.0	25.33	2.21	26.59	2.25	27.84	2.29	28.47	2.31	30.35	2.37	31.60	2.41
	89.6	24.83	2.27	26.08	2.31	27.33	2.35	27.96	2.37	29.84	2.43	31.09	2.47
	95.0	24.07	2.35	25.32	2.39	26.57	2.43	27.20	2.45	29.08	2.51	30.33	2.55
	104.0	22.80	2.51	24.05	2.54	25.20	2.56	25.73	2.56	27.28	2.56	28.29	2.56
	109.4	18.02	1.77	18.79	1.77	19.53	1.77	19.89	1.77	20.96	1.77	21.65	1.77
	114.8	11.22	0.98	11.64	0.98	12.05	0.98	12.25	0.98	12.84	0.98	13.22	0.98
CTXS07L + CDXS15L + CDXS15L	68.0	27.46	2.06	28.69	2.10	29.93	2.15	30.54	2.17	32.40	2.23	33.63	2.27
	77.0	26.21	2.19	27.44	2.23	28.68	2.27	29.30	2.29	31.15	2.35	32.38	2.39
	86.0	24.96	2.32	26.20	2.36	27.43	2.41	28.05	2.43	29.90	2.49	31.13	2.53
	89.6	24.46	2.38	25.70	2.42	26.93	2.46	27.55	2.48	29.40	2.55	30.64	2.59
	95.0	23.71	2.47	24.95	2.51	26.18	2.55	26.80	2.57	28.65	2.63	29.89	2.68
	104.0	22.24	2.56	23.30	2.56	24.34	2.56	24.85	2.56	26.34	2.56	27.31	2.56
	109.4	17.57	1.77	18.30	1.77	19.02	1.77	19.37	1.77	20.40	1.77	21.06	1.77
	114.8	11.01	0.98	11.41	0.98	11.81	0.98	12.00	0.98	12.57	0.98	12.94	0.98
CTXS09H + CTXS09H + CTXS09H	68.0	25.00	1.58	26.12	1.61	27.25	1.64	27.81	1.66	29.49	1.71	30.62	1.74
	77.0	23.86	1.68	24.99	1.71	26.11	1.74	26.67	1.76	28.36	1.80	29.48	1.83
	86.0	22.73	1.78	23.85	1.81	24.97	1.84	25.54	1.86	27.22	1.91	28.35	1.94
	89.6	22.27	1.82	23.40	1.86	24.52	1.89	25.08	1.90	26.77	1.95	27.89	1.98
	95.0	21.59	1.89	22.71	1.92	23.84	1.96	24.40	1.97	26.09	2.02	27.21	2.05
	104.0	20.45	2.01	21.58	2.05	22.70	2.08	23.26	2.09	24.95	2.14	26.07	2.17
	109.4	17.92	1.77	18.72	1.77	19.50	1.77	19.89	1.77	21.01	1.77	21.74	1.77
	114.8	11.05	0.98	11.49	0.98	11.92	0.98	12.14	0.98	12.76	0.98	13.16	0.98
CTXS09H + CTXS09H + FDXS09L	68.0	24.59	1.69	25.69	1.72	26.80	1.75	27.35	1.77	29.01	1.82	30.12	1.85
	77.0	23.47	1.79	24.58	1.82	25.68	1.86	26.24	1.87	27.89	1.92	29.00	1.96
	86.0	22.35	1.90	23.46	1.93	24.56	1.97	25.12	1.98	26.78	2.03	27.88	2.07
	89.6	21.91	1.95	23.01	1.98	24.12	2.01	24.67	2.03	26.33	2.08	27.43	2.11
	95.0	21.24	2.02	22.34	2.05	23.45	2.09	24.00	2.10	25.66	2.15	26.76	2.19
	104.0	20.12	2.15	21.22	2.18	22.33	2.21	22.88	2.23	24.54	2.28	25.65	2.32
	109.4	17.12	1.77	17.88	1.77	18.62	1.77	18.98	1.77	20.05	1.77	20.73	1.77
	114.8	10.67	0.98	11.09	0.98	11.49	0.98	11.69	0.98	12.28	0.98	12.66	0.98
CTXS09H + FDXS09L + FDXS09L	68.0	24.28	1.79	25.37	1.83	26.46	1.86	27.01	1.88	28.65	1.93	29.74	1.97
	77.0	23.18	1.90	24.27	1.93	25.36	1.97	25.91	1.99	27.54	2.04	28.64	2.08
	86.0	22.07	2.02	23.17	2.05	24.26	2.09	24.80	2.11	26.44	2.16	27.53	2.19
	89.6	21.63	2.07	22.72	2.10	23.82	2.14	24.36	2.15	26.00	2.21	27.09	2.24
	95.0	20.97	2.14	22.06	2.18	23.15	2.21	23.70	2.23	25.34	2.29	26.43	2.32
	104.0	19.87	2.28	20.96	2.32	22.05	2.35	22.60	2.37	24.23	2.42	25.33	2.46
	109.4	16.54	1.77	17.26	1.77	17.96	1.77	18.31	1.77	19.32	1.77	19.98	1.77
	114.8	10.40	0.98	10.79	0.98	11.18	0.98	11.37	0.98	11.93	0.98	12.29	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FDXS09L	68.0	24.08	1.94	25.16	1.97	26.24	2.01	26.78	2.03	28.41	2.09	29.49	2.13
	77.0	22.98	2.05	24.06	2.09	25.15	2.13	25.69	2.15	27.31	2.21	28.40	2.24
	86.0	21.89	2.18	22.97	2.22	24.05	2.26	24.59	2.28	26.22	2.33	27.30	2.37
	89.6	21.45	2.23	22.53	2.27	23.62	2.31	24.16	2.33	25.78	2.39	26.86	2.43
	95.0	20.79	2.32	21.88	2.35	22.96	2.39	23.50	2.41	25.12	2.47	26.21	2.51
	104.0	19.70	2.46	20.78	2.50	21.86	2.54	22.40	2.56	23.80	2.56	24.70	2.56
	109.4	16.04	1.77	16.73	1.77	17.39	1.77	17.72	1.77	18.68	1.77	19.31	1.77
	114.8	10.18	0.98	10.56	0.98	10.93	0.98	11.11	0.98	11.64	0.98	11.98	0.98
CTXS09H + CTXS09H + CTXS12H	68.0	25.61	1.66	26.76	1.70	27.92	1.73	28.49	1.75	30.22	1.79	31.37	1.83
	77.0	24.45	1.76	25.60	1.80	26.75	1.83	27.33	1.85	29.06	1.89	30.21	1.93
	86.0	23.28	1.87	24.44	1.90	25.59	1.94	26.16	1.95	27.89	2.00	29.04	2.04
	89.6	22.82	1.92	23.97	1.95	25.12	1.98	25.70	2.00	27.43	2.05	28.58	2.08
	95.0	22.12	1.99	23.27	2.02	24.42	2.06	25.00	2.07	26.73	2.12	27.88	2.15
	104.0	20.96	2.12	22.11	2.15	23.26	2.18	23.84	2.20	25.56	2.25	26.72	2.28
	109.4	17.88	1.77	18.68	1.77	19.45	1.77	19.83	1.77	20.94	1.77	21.66	1.77
	114.8	11.06	0.98	11.49	0.98	11.92	0.98	12.13	0.98	12.74	0.98	13.14	0.98
CTXS09H + CTXS09H + FDXS12L	68.0	25.20	1.77	26.34	1.81	27.47	1.85	28.04	1.86	29.74	1.92	30.87	1.95
	77.0	24.06	1.88	25.19	1.92	26.32	1.95	26.89	1.97	28.59	2.02	29.72	2.06
	86.0	22.91	2.00	24.05	2.03	25.18	2.07	25.75	2.09	27.45	2.14	28.58	2.17
	89.6	22.45	2.05	23.59	2.08	24.72	2.12	25.29	2.14	26.99	2.19	28.12	2.22
	95.0	21.77	2.12	22.90	2.16	24.03	2.19	24.60	2.21	26.30	2.27	27.43	2.30
	104.0	20.62	2.26	21.75	2.30	22.89	2.33	23.45	2.35	25.15	2.40	26.29	2.44
	109.4	17.14	1.77	17.89	1.77	18.62	1.77	18.98	1.77	20.03	1.77	20.71	1.77
	114.8	10.71	0.98	11.12	0.98	11.52	0.98	11.72	0.98	12.30	0.98	12.67	0.98
CTXS09H + FDXS09L + CTXS12H	68.0	25.20	1.77	26.34	1.81	27.47	1.85	28.04	1.86	29.74	1.92	30.87	1.95
	77.0	24.06	1.88	25.19	1.92	26.32	1.95	26.89	1.97	28.59	2.02	29.72	2.06
	86.0	22.91	2.00	24.05	2.03	25.18	2.07	25.75	2.09	27.45	2.14	28.58	2.17
	89.6	22.45	2.05	23.59	2.08	24.72	2.12	25.29	2.14	26.99	2.19	28.12	2.22
	95.0	21.77	2.12	22.90	2.16	24.03	2.19	24.60	2.21	26.30	2.27	27.43	2.30
	104.0	20.62	2.26	21.75	2.30	22.89	2.33	23.45	2.35	25.15	2.40	26.29	2.44
	109.4	17.14	1.77	17.89	1.77	18.62	1.77	18.98	1.77	20.03	1.77	20.71	1.77
	114.8	10.71	0.98	11.12	0.98	11.52	0.98	11.72	0.98	12.30	0.98	12.67	0.98
CTXS09H + FDXS09L + FDXS12L	68.0	24.79	1.88	25.91	1.92	27.02	1.95	27.58	1.97	29.25	2.03	30.37	2.07
	77.0	23.67	1.99	24.78	2.03	25.90	2.07	26.45	2.09	28.13	2.14	29.24	2.18
	86.0	22.54	2.12	23.65	2.15	24.77	2.19	25.33	2.21	27.00	2.27	28.11	2.30
	89.6	22.09	2.17	23.20	2.21	24.32	2.24	24.88	2.26	26.55	2.32	27.66	2.35
	95.0	21.41	2.25	22.53	2.29	23.64	2.32	24.20	2.34	25.87	2.40	26.99	2.44
	104.0	20.29	2.39	21.40	2.43	22.52	2.47	23.07	2.49	24.75	2.54	25.77	2.56
	109.4	16.57	1.77	17.28	1.77	17.98	1.77	18.32	1.77	19.32	1.77	19.97	1.77
	114.8	10.44	0.98	10.83	0.98	11.22	0.98	11.40	0.98	11.96	0.98	12.32	0.98
FDXS09L + FDXS09L + CTXS12H	68.0	24.79	1.88	25.91	1.92	27.02	1.95	27.58	1.97	29.25	2.03	30.37	2.07
	77.0	23.67	1.99	24.78	2.03	25.90	2.07	26.45	2.09	28.13	2.14	29.24	2.18
	86.0	22.54	2.12	23.65	2.15	24.77	2.19	25.33	2.21	27.00	2.27	28.11	2.30
	89.6	22.09	2.17	23.20	2.21	24.32	2.24	24.88	2.26	26.55	2.32	27.66	2.35
	95.0	21.41	2.25	22.53	2.29	23.64	2.32	24.20	2.34	25.87	2.40	26.99	2.44
	104.0	20.29	2.39	21.40	2.43	22.52	2.47	23.07	2.49	24.75	2.54	25.77	2.56
	109.4	16.57	1.77	17.28	1.77	17.98	1.77	18.32	1.77	19.32	1.77	19.97	1.77
	114.8	10.44	0.98	10.83	0.98	11.22	0.98	11.40	0.98	11.96	0.98	12.32	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS12L	68.0	24.59	2.03	25.69	2.07	26.80	2.11	27.35	2.13	29.01	2.19	30.12	2.23
	77.0	23.47	2.15	24.58	2.19	25.68	2.23	26.24	2.26	27.89	2.32	29.00	2.36
	86.0	22.35	2.29	23.46	2.33	24.56	2.37	25.12	2.39	26.78	2.45	27.88	2.49
	89.6	21.91	2.34	23.01	2.38	24.12	2.42	24.67	2.44	26.33	2.51	27.43	2.55
	95.0	21.24	2.43	22.34	2.47	23.45	2.51	24.00	2.53	25.66	2.59	26.76	2.63
	104.0	20.05	2.56	21.03	2.56	21.99	2.56	22.46	2.56	23.84	2.56	24.74	2.56
	109.4	16.15	1.77	16.82	1.77	17.48	1.77	17.81	1.77	18.76	1.77	19.37	1.77
	114.8	10.27	0.98	10.64	0.98	11.00	0.98	11.18	0.98	11.70	0.98	12.05	0.98
CTXS09H + CTXS09H + FTXS15L	68.0	26.84	1.72	28.05	1.75	29.26	1.79	29.86	1.80	31.67	1.86	32.88	1.89
	77.0	25.62	1.82	26.83	1.86	28.04	1.89	28.64	1.91	30.45	1.96	31.66	1.99
	86.0	24.40	1.93	25.61	1.97	26.82	2.00	27.42	2.02	29.23	2.07	30.44	2.11
	89.6	23.91	1.98	25.12	2.02	26.33	2.05	26.93	2.07	28.74	2.12	29.95	2.15
	95.0	23.18	2.06	24.39	2.09	25.60	2.13	26.20	2.14	28.01	2.19	29.22	2.23
	104.0	21.96	2.19	23.17	2.22	24.38	2.26	24.98	2.27	26.79	2.33	28.00	2.36
	109.4	18.38	1.77	19.18	1.77	19.97	1.77	20.35	1.77	21.48	1.77	22.22	1.77
	114.8	11.33	0.98	11.77	0.98	12.20	0.98	12.42	0.98	13.04	0.98	13.44	0.98
CTXS09H + CTXS09H + CDXS15L	68.0	26.33	1.81	27.51	1.85	28.70	1.89	29.29	1.91	31.07	1.96	32.25	2.00
	77.0	25.13	1.92	26.32	1.96	27.50	2.00	28.09	2.01	29.87	2.07	31.05	2.10
	86.0	23.94	2.04	25.12	2.08	26.30	2.12	26.90	2.13	28.67	2.19	29.86	2.22
	89.6	23.46	2.09	24.64	2.13	25.83	2.17	26.42	2.18	28.19	2.24	29.38	2.27
	95.0	22.74	2.17	23.92	2.21	25.11	2.24	25.70	2.26	27.48	2.32	28.66	2.35
	104.0	21.54	2.31	22.73	2.35	23.91	2.38	24.50	2.40	26.28	2.46	27.46	2.49
	109.4	17.66	1.77	18.42	1.77	19.17	1.77	19.54	1.77	20.61	1.77	21.30	1.77
	114.8	10.98	0.98	11.41	0.98	11.82	0.98	12.02	0.98	12.61	0.98	12.99	0.98
CTXS09H + FDXS09L + FTXS15L	68.0	26.43	1.83	27.62	1.87	28.81	1.90	29.40	1.92	31.19	1.98	32.38	2.01
	77.0	25.23	1.94	26.42	1.98	27.61	2.01	28.20	2.03	29.99	2.09	31.17	2.12
	86.0	24.03	2.06	25.22	2.10	26.41	2.13	27.00	2.15	28.78	2.21	29.97	2.24
	89.6	23.55	2.11	24.74	2.15	25.93	2.18	26.52	2.20	28.30	2.26	29.49	2.29
	95.0	22.83	2.19	24.02	2.23	25.21	2.26	25.80	2.28	27.58	2.34	28.77	2.37
	104.0	21.63	2.33	22.82	2.37	24.00	2.40	24.60	2.42	26.38	2.48	27.57	2.51
	109.4	17.66	1.77	18.42	1.77	19.17	1.77	19.53	1.77	20.60	1.77	21.30	1.77
	114.8	10.99	0.98	11.41	0.98	11.82	0.98	12.02	0.98	12.61	0.98	12.99	0.98
CTXS09H + FDXS09L + CDXS15L	68.0	26.02	1.93	27.19	1.97	28.36	2.00	28.95	2.02	30.70	2.08	31.87	2.12
	77.0	24.84	2.04	26.01	2.08	27.18	2.12	27.77	2.14	29.52	2.20	30.69	2.24
	86.0	23.66	2.17	24.83	2.21	26.00	2.25	26.58	2.27	28.34	2.32	29.51	2.36
	89.6	23.18	2.22	24.35	2.26	25.52	2.30	26.11	2.32	27.86	2.38	29.04	2.42
	95.0	22.47	2.31	23.64	2.34	24.81	2.38	25.40	2.40	27.16	2.46	28.33	2.50
	104.0	21.29	2.45	22.46	2.49	23.63	2.53	24.22	2.55	25.75	2.56	26.71	2.56
	109.4	17.13	1.77	17.86	1.77	18.57	1.77	18.92	1.77	19.94	1.77	20.61	1.77
	114.8	10.74	0.98	11.15	0.98	11.54	0.98	11.73	0.98	12.29	0.98	12.66	0.98
FDXS09L + FDXS09L + FTXS15L	68.0	26.02	1.90	27.19	1.93	28.36	1.97	28.95	1.99	30.70	2.05	31.87	2.08
	77.0	24.84	2.01	26.01	2.05	27.18	2.08	27.77	2.10	29.52	2.16	30.69	2.20
	86.0	23.66	2.13	24.83	2.17	26.00	2.21	26.58	2.23	28.34	2.28	29.51	2.32
	89.6	23.18	2.19	24.35	2.22	25.52	2.26	26.11	2.28	27.86	2.34	29.04	2.37
	95.0	22.47	2.27	23.64	2.31	24.81	2.34	25.40	2.36	27.16	2.42	28.33	2.46
	104.0	21.29	2.41	22.46	2.45	23.63	2.49	24.22	2.51	25.95	2.56	26.93	2.56
	109.4	17.22	1.77	17.96	1.77	18.67	1.77	19.03	1.77	20.06	1.77	20.73	1.77
	114.8	10.78	0.98	11.19	0.98	11.58	0.98	11.78	0.98	12.35	0.98	12.72	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + CDXS15L	68.0	25.41	1.99	26.55	2.03	27.69	2.07	28.26	2.09	29.98	2.15	31.12	2.19
	77.0	24.25	2.11	25.40	2.15	26.54	2.19	27.11	2.21	28.82	2.27	29.97	2.31
	86.0	23.10	2.24	24.24	2.28	25.38	2.32	25.95	2.34	27.67	2.40	28.81	2.44
	89.6	22.64	2.30	23.78	2.34	24.92	2.38	25.49	2.40	27.21	2.46	28.35	2.50
	95.0	21.94	2.38	23.09	2.42	24.23	2.46	24.80	2.48	26.51	2.54	27.66	2.58
	104.0	20.79	2.54	21.88	2.56	22.88	2.56	23.37	2.56	24.80	2.56	25.73	2.56
	109.4	16.65	1.77	17.35	1.77	18.03	1.77	18.37	1.77	19.36	1.77	20.00	1.77
	114.8	10.51	0.98	10.90	0.98	11.28	0.98	11.46	0.98	12.01	0.98	12.36	0.98
CTXS09H + CTXS09H + FTXS18L	68.0	27.56	1.85	28.80	1.89	30.04	1.93	30.66	1.95	32.52	2.00	33.76	2.04
	77.0	26.31	1.97	27.55	2.00	28.79	2.04	29.41	2.06	31.26	2.11	32.50	2.15
	86.0	25.05	2.09	26.29	2.13	27.53	2.16	28.15	2.18	30.01	2.24	31.25	2.27
	89.6	24.55	2.14	25.79	2.18	27.03	2.21	27.65	2.23	29.51	2.29	30.75	2.32
	95.0	23.80	2.22	25.04	2.26	26.28	2.29	26.90	2.31	28.76	2.37	30.00	2.40
	104.0	22.55	2.36	23.79	2.40	25.03	2.44	25.65	2.45	27.51	2.51	28.75	2.55
	109.4	18.22	1.77	19.00	1.77	19.77	1.77	20.14	1.77	21.24	1.77	21.95	1.77
	114.8	11.29	0.98	11.72	0.98	12.14	0.98	12.34	0.98	12.95	0.98	13.34	0.98
CTXS09H + CTXS09H + CDXS18L	68.0	27.15	1.95	28.37	1.99	29.59	2.03	30.20	2.05	32.03	2.11	33.25	2.15
	77.0	25.92	2.07	27.14	2.11	28.36	2.15	28.97	2.17	30.80	2.22	32.02	2.26
	86.0	24.68	2.20	25.90	2.24	27.12	2.27	27.73	2.29	29.57	2.35	30.79	2.39
	89.6	24.19	2.25	25.41	2.29	26.63	2.33	27.24	2.35	29.07	2.41	30.29	2.45
	95.0	23.45	2.34	24.67	2.37	25.89	2.41	26.50	2.43	28.33	2.49	29.55	2.53
	104.0	22.21	2.48	23.43	2.52	24.65	2.56	25.17	2.56	26.70	2.56	27.68	2.56
	109.4	17.68	1.77	18.43	1.77	19.16	1.77	19.52	1.77	20.57	1.77	21.25	1.77
	114.8	11.04	0.98	11.45	0.98	11.85	0.98	12.05	0.98	12.63	0.98	13.00	0.98
CTXS09H + FDXS09L + FTXS18L	68.0	27.15	1.93	28.37	1.97	29.59	2.00	30.20	2.02	32.03	2.08	33.25	2.12
	77.0	25.92	2.04	27.14	2.08	28.36	2.12	28.97	2.14	30.80	2.20	32.02	2.24
	86.0	24.68	2.17	25.90	2.21	27.12	2.25	27.73	2.27	29.57	2.32	30.79	2.36
	89.6	24.19	2.22	25.41	2.26	26.63	2.30	27.24	2.32	29.07	2.38	30.29	2.42
	95.0	23.45	2.31	24.67	2.34	25.89	2.38	26.50	2.40	28.33	2.46	29.55	2.50
	104.0	22.21	2.45	23.43	2.49	24.66	2.53	25.27	2.55	26.85	2.56	27.85	2.56
	109.4	17.75	1.77	18.51	1.77	19.24	1.77	19.60	1.77	20.66	1.77	21.35	1.77
	114.8	11.06	0.98	11.48	0.98	11.89	0.98	12.08	0.98	12.67	0.98	13.05	0.98
CTXS09H + FDXS09L + CDXS18L	68.0	26.53	2.02	27.73	2.06	28.92	2.10	29.52	2.12	31.31	2.18	32.50	2.22
	77.0	25.33	2.14	26.52	2.18	27.72	2.22	28.31	2.24	30.10	2.30	31.30	2.34
	86.0	24.12	2.27	25.32	2.31	26.51	2.35	27.11	2.37	28.90	2.43	30.09	2.47
	89.6	23.64	2.33	24.83	2.37	26.03	2.41	26.62	2.43	28.41	2.49	29.61	2.53
	95.0	22.92	2.41	24.11	2.45	25.30	2.49	25.90	2.51	27.69	2.57	28.88	2.61
	104.0	21.69	2.56	22.74	2.56	23.76	2.56	24.27	2.56	25.74	2.56	26.69	2.56
	109.4	17.20	1.77	17.92	1.77	18.62	1.77	18.97	1.77	19.98	1.77	20.64	1.77
	114.8	10.80	0.98	11.20	0.98	11.59	0.98	11.78	0.98	12.34	0.98	12.70	0.98
FDXS09L + FDXS09L + FTXS18L	68.0	26.53	1.99	27.73	2.03	28.92	2.07	29.52	2.09	31.31	2.15	32.50	2.19
	77.0	25.33	2.11	26.52	2.15	27.72	2.19	28.31	2.21	30.10	2.27	31.30	2.31
	86.0	24.12	2.24	25.32	2.28	26.51	2.32	27.11	2.34	28.90	2.40	30.09	2.44
	89.6	23.64	2.30	24.83	2.34	26.03	2.38	26.62	2.40	28.41	2.46	29.61	2.50
	95.0	22.92	2.38	24.11	2.42	25.30	2.46	25.90	2.48	27.69	2.54	28.88	2.58
	104.0	21.71	2.54	22.85	2.56	23.88	2.56	24.39	2.56	25.87	2.56	26.83	2.56
	109.4	17.25	1.77	17.97	1.77	18.68	1.77	19.03	1.77	20.05	1.77	20.71	1.77
	114.8	10.82	0.98	11.22	0.98	11.61	0.98	11.81	0.98	12.37	0.98	12.73	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + CDXS18L	68.0	25.92	2.08	27.09	2.12	28.25	2.16	28.83	2.18	30.58	2.25	31.75	2.29
	77.0	24.74	2.20	25.91	2.25	27.07	2.29	27.66	2.31	29.40	2.37	30.57	2.41
	86.0	23.56	2.34	24.73	2.38	25.90	2.42	26.48	2.45	28.23	2.51	29.39	2.55
	89.6	23.09	2.40	24.26	2.44	25.42	2.48	26.01	2.50	27.76	2.56	28.92	2.61
	95.0	22.39	2.49	23.55	2.53	24.72	2.57	25.30	2.59	27.05	2.65	28.21	2.70
	104.0	20.96	2.56	21.97	2.56	22.96	2.56	23.45	2.56	24.87	2.56	25.79	2.56
	109.4	16.76	1.77	17.45	1.77	18.13	1.77	18.46	1.77	19.44	1.77	20.08	1.77
	114.8	10.60	0.98	10.98	0.98	11.35	0.98	11.54	0.98	12.08	0.98	12.43	0.98
CTXS09H + CTXS12H + CTXS12H	68.0	26.43	1.80	27.62	1.83	28.81	1.87	29.40	1.89	31.19	1.94	32.38	1.98
	77.0	25.23	1.91	26.42	1.94	27.61	1.98	28.20	2.00	29.99	2.05	31.17	2.09
	86.0	24.03	2.02	25.22	2.06	26.41	2.10	27.00	2.11	28.78	2.17	29.97	2.20
	89.6	23.55	2.07	24.74	2.11	25.93	2.15	26.52	2.16	28.30	2.22	29.49	2.25
	95.0	22.83	2.15	24.02	2.19	25.21	2.22	25.80	2.24	27.58	2.30	28.77	2.33
	104.0	21.63	2.29	22.82	2.33	24.00	2.36	24.60	2.38	26.38	2.43	27.57	2.47
	109.4	17.78	1.77	18.55	1.77	19.30	1.77	19.67	1.77	20.76	1.77	21.46	1.77
	114.8	11.04	0.98	11.47	0.98	11.88	0.98	12.09	0.98	12.68	0.98	13.07	0.98
CTXS09H + CTXS12H + FDXS12L	68.0	25.92	1.86	27.09	1.90	28.25	1.94	28.83	1.96	30.58	2.01	31.75	2.05
	77.0	24.74	1.98	25.91	2.01	27.07	2.05	27.66	2.07	29.40	2.12	30.57	2.16
	86.0	23.56	2.10	24.73	2.13	25.90	2.17	26.48	2.19	28.23	2.25	29.39	2.28
	89.6	23.09	2.15	24.26	2.19	25.42	2.22	26.01	2.24	27.76	2.30	28.92	2.33
	95.0	22.39	2.23	23.55	2.27	24.72	2.30	25.30	2.32	27.05	2.38	28.21	2.42
	104.0	21.21	2.37	22.37	2.41	23.54	2.45	24.12	2.46	25.87	2.52	27.04	2.56
	109.4	17.26	1.77	18.00	1.77	18.72	1.77	19.08	1.77	20.12	1.77	20.80	1.77
	114.8	10.79	0.98	11.20	0.98	11.60	0.98	11.79	0.98	12.37	0.98	12.74	0.98
CTXS09H + FDXS12L + FDXS12L	68.0	25.41	1.97	26.55	2.01	27.69	2.05	28.26	2.07	29.98	2.12	31.12	2.16
	77.0	24.25	2.09	25.40	2.12	26.54	2.16	27.11	2.18	28.82	2.24	29.97	2.28
	86.0	23.10	2.21	24.24	2.25	25.38	2.29	25.95	2.31	27.67	2.37	28.81	2.41
	89.6	22.64	2.27	23.78	2.31	24.92	2.35	25.49	2.37	27.21	2.43	28.35	2.47
	95.0	21.94	2.35	23.09	2.39	24.23	2.43	24.80	2.45	26.51	2.51	27.66	2.55
	104.0	20.79	2.51	21.93	2.54	22.99	2.56	23.48	2.56	24.92	2.56	25.86	2.56
	109.4	16.70	1.77	17.41	1.77	18.09	1.77	18.43	1.77	19.43	1.77	20.07	1.77
	114.8	10.53	0.98	10.92	0.98	11.30	0.98	11.49	0.98	12.04	0.98	12.39	0.98
FDXS09L + CTXS12H + CTXS12H	68.0	25.92	1.86	27.09	1.90	28.25	1.94	28.83	1.96	30.58	2.01	31.75	2.05
	77.0	24.74	1.98	25.91	2.01	27.07	2.05	27.66	2.07	29.40	2.12	30.57	2.16
	86.0	23.56	2.10	24.73	2.13	25.90	2.17	26.48	2.19	28.23	2.25	29.39	2.28
	89.6	23.09	2.15	24.26	2.19	25.42	2.22	26.01	2.24	27.76	2.30	28.92	2.33
	95.0	22.39	2.23	23.55	2.27	24.72	2.30	25.30	2.32	27.05	2.38	28.21	2.42
	104.0	21.21	2.37	22.37	2.41	23.54	2.45	24.12	2.46	25.87	2.52	27.04	2.56
	109.4	17.26	1.77	18.00	1.77	18.72	1.77	19.08	1.77	20.12	1.77	20.80	1.77
	114.8	10.79	0.98	11.20	0.98	11.60	0.98	11.79	0.98	12.37	0.98	12.74	0.98
FDXS09L + CTXS12H + FDXS12L	68.0	25.41	1.97	26.55	2.01	27.69	2.05	28.26	2.07	29.98	2.12	31.12	2.16
	77.0	24.25	2.09	25.40	2.12	26.54	2.16	27.11	2.18	28.82	2.24	29.97	2.28
	86.0	23.10	2.21	24.24	2.25	25.38	2.29	25.95	2.31	27.67	2.37	28.81	2.41
	89.6	22.64	2.27	23.78	2.31	24.92	2.35	25.49	2.37	27.21	2.43	28.35	2.47
	95.0	21.94	2.35	23.09	2.39	24.23	2.43	24.80	2.45	26.51	2.51	27.66	2.55
	104.0	20.79	2.51	21.93	2.54	22.99	2.56	23.48	2.56	24.92	2.56	25.86	2.56
	109.4	16.70	1.77	17.41	1.77	18.09	1.77	18.43	1.77	19.43	1.77	20.07	1.77
	114.8	10.53	0.98	10.92	0.98	11.30	0.98	11.49	0.98	12.04	0.98	12.39	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS12L + FDXS12L	68.0	24.79	2.03	25.91	2.07	27.02	2.11	27.58	2.13	29.25	2.19	30.37	2.23
	77.0	23.67	2.15	24.78	2.19	25.90	2.23	26.45	2.26	28.13	2.32	29.24	2.36
	86.0	22.54	2.29	23.65	2.33	24.77	2.37	25.33	2.39	27.00	2.45	28.11	2.49
	89.6	22.09	2.34	23.20	2.38	24.32	2.42	24.88	2.44	26.55	2.51	27.66	2.55
	95.0	21.41	2.43	22.53	2.47	23.64	2.51	24.20	2.53	25.87	2.59	26.99	2.63
	104.0	20.22	2.56	21.21	2.56	22.17	2.56	22.65	2.56	24.04	2.56	24.94	2.56
	109.4	16.25	1.77	16.93	1.77	17.60	1.77	17.92	1.77	18.88	1.77	19.50	1.77
	114.8	10.32	0.98	10.69	0.98	11.06	0.98	11.24	0.98	11.77	0.98	12.11	0.98
CTXS09H + CTXS12H + FTXS15L	68.0	27.56	1.85	28.80	1.89	30.04	1.93	30.66	1.95	32.52	2.00	33.76	2.04
	77.0	26.31	1.97	27.55	2.00	28.79	2.04	29.41	2.06	31.26	2.11	32.50	2.15
	86.0	25.05	2.09	26.29	2.13	27.53	2.16	28.15	2.18	30.01	2.24	31.25	2.27
	89.6	24.55	2.14	25.79	2.18	27.03	2.21	27.65	2.23	29.51	2.29	30.75	2.32
	95.0	23.80	2.22	25.04	2.26	26.28	2.29	26.90	2.31	28.76	2.37	30.00	2.40
	104.0	22.55	2.36	23.79	2.40	25.03	2.44	25.65	2.45	27.51	2.51	28.75	2.55
	109.4	18.22	1.77	19.00	1.77	19.77	1.77	20.14	1.77	21.24	1.77	21.95	1.77
	114.8	11.29	0.98	11.72	0.98	12.14	0.98	12.34	0.98	12.95	0.98	13.34	0.98
CTXS09H + CTXS12H + CDXS15L	68.0	27.15	1.95	28.37	1.99	29.59	2.03	30.20	2.05	32.03	2.11	33.25	2.15
	77.0	25.92	2.07	27.14	2.11	28.36	2.15	28.97	2.17	30.80	2.22	32.02	2.26
	86.0	24.68	2.20	25.90	2.24	27.12	2.27	27.73	2.29	29.57	2.35	30.79	2.39
	89.6	24.19	2.25	25.41	2.29	26.63	2.33	27.24	2.35	29.07	2.41	30.29	2.45
	95.0	23.45	2.34	24.67	2.37	25.89	2.41	26.50	2.43	28.33	2.49	29.55	2.53
	104.0	22.21	2.48	23.43	2.52	24.65	2.56	25.17	2.56	26.70	2.56	27.68	2.56
	109.4	17.68	1.77	18.43	1.77	19.16	1.77	19.52	1.77	20.57	1.77	21.25	1.77
	114.8	11.04	0.98	11.45	0.98	11.85	0.98	12.05	0.98	12.63	0.98	13.00	0.98
CTXS09H + FDXS12L + FTXS15L	68.0	27.15	1.92	28.37	1.96	29.59	2.00	30.20	2.01	32.03	2.07	33.25	2.11
	77.0	25.92	2.03	27.14	2.07	28.36	2.11	28.97	2.13	30.80	2.19	32.02	2.23
	86.0	24.68	2.16	25.90	2.20	27.12	2.24	27.73	2.26	29.57	2.31	30.79	2.35
	89.6	24.19	2.21	25.41	2.25	26.63	2.29	27.24	2.31	29.07	2.37	30.29	2.41
	95.0	23.45	2.30	24.67	2.34	25.89	2.37	26.50	2.39	28.33	2.45	29.55	2.49
	104.0	22.21	2.44	23.43	2.48	24.66	2.52	25.27	2.54	26.91	2.56	27.91	2.56
	109.4	17.77	1.77	18.53	1.77	19.27	1.77	19.63	1.77	20.69	1.77	21.38	1.77
	114.8	11.07	0.98	11.49	0.98	11.90	0.98	12.10	0.98	12.68	0.98	13.06	0.98
CTXS09H + FDXS12L + CDXS15L	68.0	26.43	2.02	27.62	2.06	28.81	2.10	29.40	2.12	31.19	2.18	32.38	2.22
	77.0	25.23	2.14	26.42	2.18	27.61	2.22	28.20	2.24	29.99	2.30	31.17	2.34
	86.0	24.03	2.27	25.22	2.31	26.41	2.35	27.00	2.37	28.78	2.43	29.97	2.47
	89.6	23.55	2.33	24.74	2.37	25.93	2.41	26.52	2.43	28.30	2.49	29.49	2.53
	95.0	22.83	2.41	24.02	2.45	25.21	2.49	25.80	2.51	27.58	2.57	28.77	2.61
	104.0	21.61	2.56	22.65	2.56	23.67	2.56	24.17	2.56	25.64	2.56	26.59	2.56
	109.4	17.14	1.77	17.86	1.77	18.56	1.77	18.91	1.77	19.92	1.77	20.57	1.77
	114.8	10.78	0.98	11.17	0.98	11.56	0.98	11.75	0.98	12.30	0.98	12.67	0.98
FDXS09L + CTXS12H + FTXS15L	68.0	27.15	1.92	28.37	1.96	29.59	2.00	30.20	2.01	32.03	2.07	33.25	2.11
	77.0	25.92	2.03	27.14	2.07	28.36	2.11	28.97	2.13	30.80	2.19	32.02	2.23
	86.0	24.68	2.16	25.90	2.20	27.12	2.24	27.73	2.26	29.57	2.31	30.79	2.35
	89.6	24.19	2.21	25.41	2.25	26.63	2.29	27.24	2.31	29.07	2.37	30.29	2.41
	95.0	23.45	2.30	24.67	2.34	25.89	2.37	26.50	2.39	28.33	2.45	29.55	2.49
	104.0	22.21	2.44	23.43	2.48	24.66	2.52	25.27	2.54	26.91	2.56	27.91	2.56
	109.4	17.77	1.77	18.53	1.77	19.27	1.77	19.63	1.77	20.69	1.77	21.38	1.77
	114.8	11.07	0.98	11.49	0.98	11.90	0.98	12.10	0.98	12.68	0.98	13.06	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H + CDXS15L	68.0	26.43	2.02	27.62	2.06	28.81	2.10	29.40	2.12	31.19	2.18	32.38	2.22
	77.0	25.23	2.14	26.42	2.18	27.61	2.22	28.20	2.24	29.99	2.30	31.17	2.34
	86.0	24.03	2.27	25.22	2.31	26.41	2.35	27.00	2.37	28.78	2.43	29.97	2.47
	89.6	23.55	2.33	24.74	2.37	25.93	2.41	26.52	2.43	28.30	2.49	29.49	2.53
	95.0	22.83	2.41	24.02	2.45	25.21	2.49	25.80	2.51	27.58	2.57	28.77	2.61
	104.0	21.61	2.56	22.65	2.56	23.67	2.56	24.17	2.56	25.64	2.56	26.59	2.56
	109.4	17.14	1.77	17.86	1.77	18.56	1.77	18.91	1.77	19.92	1.77	20.57	1.77
	114.8	10.78	0.98	11.17	0.98	11.56	0.98	11.75	0.98	12.30	0.98	12.67	0.98
FDXS09L + FDXS12L + FTXS15L	68.0	26.43	1.99	27.62	2.03	28.81	2.07	29.40	2.09	31.19	2.15	32.38	2.19
	77.0	25.23	2.11	26.42	2.15	27.61	2.19	28.20	2.21	29.99	2.27	31.17	2.31
	86.0	24.03	2.24	25.22	2.28	26.41	2.32	27.00	2.34	28.78	2.40	29.97	2.44
	89.6	23.55	2.30	24.74	2.34	25.93	2.38	26.52	2.40	28.30	2.46	29.49	2.50
	95.0	22.83	2.38	24.02	2.42	25.21	2.46	25.80	2.48	27.58	2.54	28.77	2.58
	104.0	21.63	2.54	22.76	2.56	23.79	2.56	24.29	2.56	25.77	2.56	26.73	2.56
	109.4	17.19	1.77	17.92	1.77	18.62	1.77	18.97	1.77	19.99	1.77	20.65	1.77
	114.8	10.80	0.98	11.19	0.98	11.58	0.98	11.77	0.98	12.34	0.98	12.70	0.98
FDXS09L + FDXS12L + CDXS15L	68.0	25.82	2.08	26.98	2.12	28.14	2.16	28.72	2.18	30.46	2.25	31.62	2.29
	77.0	24.64	2.20	25.81	2.25	26.97	2.29	27.55	2.31	29.29	2.37	30.45	2.41
	86.0	23.47	2.34	24.63	2.38	25.79	2.42	26.37	2.45	28.11	2.51	29.28	2.55
	89.6	23.00	2.40	24.16	2.44	25.32	2.48	25.90	2.50	27.65	2.56	28.81	2.61
	95.0	22.30	2.49	23.46	2.53	24.62	2.57	25.20	2.59	26.94	2.65	28.10	2.70
	104.0	20.88	2.56	21.89	2.56	22.87	2.56	23.36	2.56	24.77	2.56	25.69	2.56
	109.4	16.71	1.77	17.40	1.77	18.08	1.77	18.41	1.77	19.38	1.77	20.02	1.77
	114.8	10.57	0.98	10.95	0.98	11.32	0.98	11.51	0.98	12.04	0.98	12.39	0.98
CTXS09H + CTXS12H + FTXS18L	68.0	28.28	1.95	29.55	1.99	30.82	2.03	31.46	2.05	33.36	2.11	34.63	2.15
	77.0	26.99	2.07	28.26	2.11	29.53	2.15	30.17	2.17	32.08	2.22	33.35	2.26
	86.0	25.71	2.20	26.98	2.24	28.25	2.27	28.89	2.29	30.79	2.35	32.06	2.39
	89.6	25.19	2.25	26.46	2.29	27.74	2.33	28.37	2.35	30.28	2.41	31.55	2.45
	95.0	24.42	2.34	25.69	2.37	26.96	2.41	27.60	2.43	29.51	2.49	30.78	2.53
	104.0	23.14	2.48	24.41	2.52	25.67	2.56	26.21	2.56	27.79	2.56	28.81	2.56
	109.4	18.29	1.77	19.07	1.77	19.82	1.77	20.19	1.77	21.28	1.77	21.99	1.77
	114.8	11.35	0.98	11.78	0.98	12.19	0.98	12.40	0.98	13.00	0.98	13.39	0.98
CTXS09H + CTXS12H + CDXS18L	68.0	27.66	2.05	28.91	2.09	30.15	2.13	30.77	2.15	32.64	2.21	33.88	2.25
	77.0	26.40	2.17	27.65	2.21	28.89	2.25	29.51	2.27	31.38	2.33	32.62	2.37
	86.0	25.15	2.31	26.39	2.35	27.64	2.39	28.26	2.41	30.12	2.47	31.37	2.51
	89.6	24.64	2.36	25.89	2.40	27.13	2.44	27.75	2.46	29.62	2.53	30.86	2.57
	95.0	23.89	2.45	25.13	2.49	26.38	2.53	27.00	2.55	28.87	2.61	30.11	2.65
	104.0	22.47	2.56	23.54	2.56	24.59	2.56	25.11	2.56	26.61	2.56	27.59	2.56
	109.4	17.71	1.77	18.45	1.77	19.17	1.77	19.53	1.77	20.56	1.77	21.24	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.02	0.98
CTXS09H + FDXS12L + FTXS18L	68.0	27.66	2.02	28.91	2.06	30.15	2.10	30.77	2.12	32.64	2.18	33.88	2.22
	77.0	26.40	2.14	27.65	2.18	28.89	2.22	29.51	2.24	31.38	2.30	32.62	2.34
	86.0	25.15	2.27	26.39	2.31	27.64	2.35	28.26	2.37	30.12	2.43	31.37	2.47
	89.6	24.64	2.33	25.89	2.37	27.13	2.41	27.75	2.43	29.62	2.49	30.86	2.53
	95.0	23.89	2.41	25.13	2.45	26.38	2.49	27.00	2.51	28.87	2.57	30.11	2.61
	104.0	22.61	2.56	23.70	2.56	24.75	2.56	25.27	2.56	26.79	2.56	27.78	2.56
	109.4	17.79	1.77	18.53	1.77	19.26	1.77	19.62	1.77	20.67	1.77	21.34	1.77
	114.8	11.11	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.07	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FDXS12L + CDXS18L	68.0	27.05	2.11	28.26	2.15	29.48	2.20	30.09	2.22	31.91	2.28	33.13	2.32
	77.0	25.82	2.24	27.03	2.28	28.25	2.32	28.86	2.34	30.68	2.41	31.90	2.45
	86.0	24.59	2.38	25.80	2.42	27.02	2.46	27.63	2.48	29.45	2.55	30.67	2.59
	89.6	24.10	2.44	25.31	2.48	26.53	2.52	27.14	2.54	28.96	2.60	30.18	2.65
	95.0	23.36	2.53	24.58	2.57	25.79	2.61	26.40	2.63	28.22	2.70	29.44	2.74
	104.0	21.74	2.56	22.78	2.56	23.79	2.56	24.29	2.56	25.74	2.56	26.69	2.56
	109.4	17.28	1.77	17.99	1.77	18.68	1.77	19.03	1.77	20.03	1.77	20.68	1.77
	114.8	10.87	0.98	11.27	0.98	11.65	0.98	11.84	0.98	12.39	0.98	12.75	0.98
FDXS09L + CTXS12H + FTXS18L	68.0	27.66	2.02	28.91	2.06	30.15	2.10	30.77	2.12	32.64	2.18	33.88	2.22
	77.0	26.40	2.14	27.65	2.18	28.89	2.22	29.51	2.24	31.38	2.30	32.62	2.34
	86.0	25.15	2.27	26.39	2.31	27.64	2.35	28.26	2.37	30.12	2.43	31.37	2.47
	89.6	24.64	2.33	25.89	2.37	27.13	2.41	27.75	2.43	29.62	2.49	30.86	2.53
	95.0	23.89	2.41	25.13	2.45	26.38	2.49	27.00	2.51	28.87	2.57	30.11	2.61
	104.0	22.61	2.56	23.70	2.56	24.75	2.56	25.27	2.56	26.79	2.56	27.78	2.56
	109.4	17.79	1.77	18.53	1.77	19.26	1.77	19.62	1.77	20.67	1.77	21.34	1.77
	114.8	11.11	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.07	0.98
FDXS09L + CTXS12H + CDXS18L	68.0	27.05	2.11	28.26	2.15	29.48	2.20	30.09	2.22	31.91	2.28	33.13	2.32
	77.0	25.82	2.24	27.03	2.28	28.25	2.32	28.86	2.34	30.68	2.41	31.90	2.45
	86.0	24.59	2.38	25.80	2.42	27.02	2.46	27.63	2.48	29.45	2.55	30.67	2.59
	89.6	24.10	2.44	25.31	2.48	26.53	2.52	27.14	2.54	28.96	2.60	30.18	2.65
	95.0	23.36	2.53	24.58	2.57	25.79	2.61	26.40	2.63	28.22	2.70	29.44	2.74
	104.0	21.74	2.56	22.78	2.56	23.79	2.56	24.29	2.56	25.74	2.56	26.69	2.56
	109.4	17.28	1.77	17.99	1.77	18.68	1.77	19.03	1.77	20.03	1.77	20.68	1.77
	114.8	10.87	0.98	11.27	0.98	11.65	0.98	11.84	0.98	12.39	0.98	12.75	0.98
FDXS09L + FDXS12L + FTXS18L	68.0	27.05	2.08	28.26	2.12	29.48	2.16	30.09	2.18	31.91	2.25	33.13	2.29
	77.0	25.82	2.20	27.03	2.25	28.25	2.29	28.86	2.31	30.68	2.37	31.90	2.41
	86.0	24.59	2.34	25.80	2.38	27.02	2.42	27.63	2.45	29.45	2.51	30.67	2.55
	89.6	24.10	2.40	25.31	2.44	26.53	2.48	27.14	2.50	28.96	2.56	30.18	2.61
	95.0	23.36	2.49	24.58	2.53	25.79	2.57	26.40	2.59	28.22	2.65	29.44	2.70
	104.0	21.86	2.56	22.90	2.56	23.92	2.56	24.42	2.56	25.89	2.56	26.84	2.56
	109.4	17.33	1.77	18.05	1.77	18.75	1.77	19.10	1.77	20.11	1.77	20.76	1.77
	114.8	10.89	0.98	11.29	0.98	11.67	0.98	11.86	0.98	12.42	0.98	12.78	0.98
FDXS09L + FDXS12L + CDXS18L	68.0	26.53	2.18	27.73	2.22	28.92	2.26	29.52	2.28	31.31	2.35	32.50	2.39
	77.0	25.33	2.31	26.52	2.35	27.72	2.39	28.31	2.42	30.10	2.48	31.30	2.52
	86.0	24.12	2.45	25.32	2.49	26.51	2.54	27.11	2.56	28.90	2.62	30.09	2.67
	89.6	23.64	2.51	24.83	2.55	26.03	2.60	26.62	2.62	28.41	2.68	29.61	2.73
	95.0	22.92	2.60	24.11	2.65	25.30	2.69	25.90	2.71	27.69	2.78	28.88	2.82
	104.0	21.16	2.56	22.17	2.56	23.15	2.56	23.63	2.56	25.04	2.56	25.96	2.56
	109.4	16.93	1.77	17.62	1.77	18.30	1.77	18.63	1.77	19.60	1.77	20.23	1.77
	114.8	10.71	0.98	11.09	0.98	11.47	0.98	11.65	0.98	12.19	0.98	12.53	0.98
CTXS09H + FTXS15L + FTXS15L	68.0	28.69	1.92	29.98	1.96	31.27	2.00	31.91	2.01	33.85	2.07	35.14	2.11
	77.0	27.38	2.03	28.67	2.07	29.96	2.11	30.61	2.13	32.54	2.19	33.83	2.23
	86.0	26.08	2.16	27.37	2.20	28.66	2.24	29.30	2.26	31.24	2.31	32.53	2.35
	89.6	25.56	2.21	26.85	2.25	28.14	2.29	28.78	2.31	30.72	2.37	32.01	2.41
	95.0	24.77	2.30	26.06	2.34	27.35	2.37	28.00	2.39	29.94	2.45	31.23	2.49
	104.0	23.47	2.44	24.76	2.48	26.05	2.52	26.70	2.54	28.42	2.56	29.46	2.56
	109.4	18.62	1.77	19.42	1.77	20.19	1.77	20.57	1.77	21.68	1.77	22.40	1.77
	114.8	11.51	0.98	11.95	0.98	12.37	0.98	12.58	0.98	13.20	0.98	13.59	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS15L + CDXS15L	68.0	28.17	2.02	29.44	2.06	30.71	2.10	31.34	2.12	33.24	2.18	34.51	2.22
	77.0	26.89	2.14	28.16	2.18	29.43	2.22	30.06	2.24	31.96	2.30	33.23	2.34
	86.0	25.61	2.27	26.88	2.31	28.15	2.35	28.78	2.37	30.68	2.43	31.95	2.47
	89.6	25.10	2.33	26.37	2.37	27.63	2.41	28.27	2.43	30.17	2.49	31.44	2.53
	95.0	24.33	2.41	25.60	2.45	26.87	2.49	27.50	2.51	29.40	2.57	30.67	2.61
	104.0	23.03	2.56	24.13	2.56	25.20	2.56	25.73	2.56	27.27	2.56	28.27	2.56
	109.4	18.06	1.77	18.81	1.77	19.55	1.77	19.91	1.77	20.98	1.77	21.67	1.77
	114.8	11.25	0.98	11.67	0.98	12.07	0.98	12.27	0.98	12.86	0.98	13.24	0.98
CTXS09H + CDXS15L + CDXS15L	68.0	27.76	2.11	29.01	2.15	30.26	2.20	30.89	2.22	32.76	2.28	34.01	2.32
	77.0	26.50	2.24	27.75	2.28	29.00	2.32	29.62	2.34	31.50	2.41	32.75	2.45
	86.0	25.24	2.38	26.49	2.42	27.74	2.46	28.36	2.48	30.23	2.55	31.48	2.59
	89.6	24.74	2.44	25.98	2.48	27.23	2.52	27.86	2.54	29.73	2.60	30.98	2.65
	95.0	23.98	2.53	25.23	2.57	26.48	2.61	27.10	2.63	28.97	2.70	30.22	2.74
	104.0	22.30	2.56	23.36	2.56	24.39	2.56	24.90	2.56	26.38	2.56	27.35	2.56
	109.4	17.64	1.77	18.36	1.77	19.07	1.77	19.42	1.77	20.45	1.77	21.11	1.77
	114.8	11.06	0.98	11.46	0.98	11.85	0.98	12.04	0.98	12.61	0.98	12.97	0.98
FDXS09L + FTXS15L + FTXS15L	68.0	28.17	1.98	29.44	2.02	30.71	2.06	31.34	2.08	33.24	2.14	34.51	2.18
	77.0	26.89	2.10	28.16	2.14	29.43	2.18	30.06	2.20	31.96	2.26	33.23	2.30
	86.0	25.61	2.23	26.88	2.27	28.15	2.31	28.78	2.33	30.68	2.39	31.95	2.43
	89.6	25.10	2.29	26.37	2.33	27.63	2.37	28.27	2.39	30.17	2.45	31.44	2.49
	95.0	24.33	2.37	25.60	2.41	26.87	2.45	27.50	2.47	29.40	2.53	30.67	2.57
	104.0	23.05	2.53	24.30	2.56	25.38	2.56	25.91	2.56	27.47	2.56	28.48	2.56
	109.4	18.14	1.77	18.91	1.77	19.65	1.77	20.02	1.77	21.09	1.77	21.79	1.77
	114.8	11.28	0.98	11.70	0.98	12.12	0.98	12.32	0.98	12.91	0.98	13.29	0.98
FDXS09L + FTXS15L + CDXS15L	68.0	27.76	2.08	29.01	2.12	30.26	2.16	30.89	2.18	32.76	2.25	34.01	2.29
	77.0	26.50	2.20	27.75	2.25	29.00	2.29	29.62	2.31	31.50	2.37	32.75	2.41
	86.0	25.24	2.34	26.49	2.38	27.74	2.42	28.36	2.45	30.23	2.51	31.48	2.55
	89.6	24.74	2.40	25.98	2.44	27.23	2.48	27.86	2.50	29.73	2.56	30.98	2.61
	95.0	23.98	2.49	25.23	2.53	26.48	2.57	27.10	2.59	28.97	2.65	30.22	2.70
	104.0	22.42	2.56	23.49	2.56	24.53	2.56	25.04	2.56	26.54	2.56	27.51	2.56
	109.4	17.70	1.77	18.43	1.77	19.15	1.77	19.50	1.77	20.53	1.77	21.20	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.07	0.98	12.64	0.98	13.01	0.98
FDXS09L + CDXS15L + CDXS15L	68.0	27.35	2.18	28.58	2.22	29.81	2.26	30.43	2.28	32.27	2.35	33.50	2.39
	77.0	26.11	2.31	27.34	2.35	28.57	2.39	29.19	2.42	31.03	2.48	32.26	2.52
	86.0	24.87	2.45	26.10	2.49	27.33	2.54	27.94	2.56	29.79	2.62	31.02	2.67
	89.6	24.37	2.51	25.60	2.55	26.83	2.60	27.45	2.62	29.29	2.68	30.52	2.73
	95.0	23.62	2.60	24.85	2.65	26.08	2.69	26.70	2.71	28.55	2.78	29.78	2.82
	104.0	21.78	2.56	22.81	2.56	23.81	2.56	24.31	2.56	25.75	2.56	26.69	2.56
	109.4	17.33	1.77	18.04	1.77	18.73	1.77	19.07	1.77	20.06	1.77	20.71	1.77
	114.8	10.92	0.98	11.31	0.98	11.69	0.98	11.88	0.98	12.43	0.98	12.78	0.98
CTXS12H + CTXS12H + CTXS12H	68.0	27.15	1.89	28.37	1.92	29.59	1.96	30.20	1.98	32.03	2.04	33.25	2.08
	77.0	25.92	2.00	27.14	2.04	28.36	2.08	28.97	2.09	30.80	2.15	32.02	2.19
	86.0	24.68	2.12	25.90	2.16	27.12	2.20	27.73	2.22	29.57	2.27	30.79	2.31
	89.6	24.19	2.18	25.41	2.21	26.63	2.25	27.24	2.27	29.07	2.33	30.29	2.36
	95.0	23.45	2.26	24.67	2.30	25.89	2.33	26.50	2.35	28.33	2.41	29.55	2.45
	104.0	22.21	2.40	23.43	2.44	24.66	2.48	25.27	2.50	27.10	2.55	28.14	2.56
	109.4	17.88	1.77	18.64	1.77	19.39	1.77	19.75	1.77	20.83	1.77	21.52	1.77
	114.8	11.12	0.98	11.54	0.98	11.95	0.98	12.15	0.98	12.74	0.98	13.13	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + CTXS12H + FDXS12L	68.0	26.53	1.95	27.73	1.99	28.92	2.03	29.52	2.05	31.31	2.11	32.50	2.15
	77.0	25.33	2.07	26.52	2.11	27.72	2.15	28.31	2.17	30.10	2.22	31.30	2.26
	86.0	24.12	2.20	25.32	2.24	26.51	2.27	27.11	2.29	28.90	2.35	30.09	2.39
	89.6	23.64	2.25	24.83	2.29	26.03	2.33	26.62	2.35	28.41	2.41	29.61	2.45
	95.0	22.92	2.34	24.11	2.37	25.30	2.41	25.90	2.43	27.69	2.49	28.88	2.53
	104.0	21.71	2.48	22.90	2.52	24.09	2.56	24.60	2.56	26.10	2.56	27.07	2.56
	109.4	17.35	1.77	18.08	1.77	18.80	1.77	19.15	1.77	20.18	1.77	20.85	1.77
	114.8	10.86	0.98	11.27	0.98	11.66	0.98	11.86	0.98	12.43	0.98	12.80	0.98
CTXS12H + FDXS12L + FDXS12L	68.0	26.12	2.10	27.30	2.15	28.47	2.19	29.06	2.21	30.82	2.27	32.00	2.31
	77.0	24.94	2.23	26.11	2.27	27.29	2.31	27.87	2.34	29.64	2.40	30.81	2.44
	86.0	23.75	2.37	24.93	2.41	26.10	2.45	26.69	2.47	28.45	2.54	29.62	2.58
	89.6	23.28	2.43	24.45	2.47	25.62	2.51	26.21	2.53	27.97	2.59	29.15	2.64
	95.0	22.56	2.52	23.74	2.56	24.91	2.60	25.50	2.62	27.26	2.69	28.44	2.73
	104.0	21.05	2.56	22.06	2.56	23.05	2.56	23.53	2.56	24.95	2.56	25.87	2.56
	109.4	16.83	1.77	17.52	1.77	18.20	1.77	18.53	1.77	19.51	1.77	20.14	1.77
	114.8	10.64	0.98	11.02	0.98	11.39	0.98	11.58	0.98	12.12	0.98	12.47	0.98
FDXS12L + FDXS12L + FDXS12L	68.0	25.31	2.17	26.44	2.21	27.58	2.25	28.15	2.28	29.86	2.34	31.00	2.38
	77.0	24.16	2.30	25.29	2.34	26.43	2.39	27.00	2.41	28.71	2.47	29.85	2.51
	86.0	23.01	2.44	24.14	2.48	25.28	2.53	25.85	2.55	27.56	2.61	28.70	2.66
	89.6	22.55	2.50	23.68	2.54	24.82	2.59	25.39	2.61	27.10	2.67	28.23	2.72
	95.0	21.86	2.59	22.99	2.64	24.13	2.68	24.70	2.70	26.41	2.77	27.54	2.81
	104.0	20.25	2.56	21.22	2.56	22.17	2.56	22.63	2.56	24.00	2.56	24.88	2.56
	109.4	16.34	1.77	17.01	1.77	17.66	1.77	17.98	1.77	18.92	1.77	19.53	1.77
	114.8	10.41	0.98	10.77	0.98	11.13	0.98	11.31	0.98	11.83	0.98	12.16	0.98
CTXS12H + CTXS12H + FTXS15L	68.0	28.28	1.95	29.55	1.99	30.82	2.03	31.46	2.05	33.36	2.11	34.63	2.15
	77.0	26.99	2.07	28.26	2.11	29.53	2.15	30.17	2.17	32.08	2.22	33.35	2.26
	86.0	25.71	2.20	26.98	2.24	28.25	2.27	28.89	2.29	30.79	2.35	32.06	2.39
	89.6	25.19	2.25	26.46	2.29	27.74	2.33	28.37	2.35	30.28	2.41	31.55	2.45
	95.0	24.42	2.34	25.69	2.37	26.96	2.41	27.60	2.43	29.51	2.49	30.78	2.53
	104.0	23.14	2.48	24.41	2.52	25.67	2.56	26.21	2.56	27.79	2.56	28.81	2.56
	109.4	18.29	1.77	19.07	1.77	19.82	1.77	20.19	1.77	21.28	1.77	21.99	1.77
	114.8	11.35	0.98	11.78	0.98	12.19	0.98	12.40	0.98	13.00	0.98	13.39	0.98
CTXS12H + CTXS12H + CDXS15L	68.0	27.66	2.05	28.91	2.09	30.15	2.13	30.77	2.15	32.64	2.21	33.88	2.25
	77.0	26.40	2.17	27.65	2.21	28.89	2.25	29.51	2.27	31.38	2.33	32.62	2.37
	86.0	25.15	2.31	26.39	2.35	27.64	2.39	28.26	2.41	30.12	2.47	31.37	2.51
	89.6	24.64	2.36	25.89	2.40	27.13	2.44	27.75	2.46	29.62	2.53	30.86	2.57
	95.0	23.89	2.45	25.13	2.49	26.38	2.53	27.00	2.55	28.87	2.61	30.11	2.65
	104.0	22.47	2.56	23.54	2.56	24.59	2.56	25.11	2.56	26.61	2.56	27.59	2.56
	109.4	17.71	1.77	18.45	1.77	19.17	1.77	19.53	1.77	20.56	1.77	21.24	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.02	0.98
CTXS12H + FDXS12L + FTXS15L	68.0	27.66	2.02	28.91	2.06	30.15	2.10	30.77	2.12	32.64	2.18	33.88	2.22
	77.0	26.40	2.14	27.65	2.18	28.89	2.22	29.51	2.24	31.38	2.30	32.62	2.34
	86.0	25.15	2.27	26.39	2.31	27.64	2.35	28.26	2.37	30.12	2.43	31.37	2.47
	89.6	24.64	2.33	25.89	2.37	27.13	2.41	27.75	2.43	29.62	2.49	30.86	2.53
	95.0	23.89	2.41	25.13	2.45	26.38	2.49	27.00	2.51	28.87	2.57	30.11	2.61
	104.0	22.61	2.56	23.70	2.56	24.75	2.56	25.27	2.56	26.79	2.56	27.78	2.56
	109.4	17.79	1.77	18.53	1.77	19.26	1.77	19.62	1.77	20.67	1.77	21.34	1.77
	114.8	11.11	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.07	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FDXS12L + CDXS15L	68.0	26.94	2.11	28.16	2.15	29.37	2.20	29.97	2.22	31.79	2.28	33.00	2.32
	77.0	25.72	2.24	26.93	2.28	28.14	2.32	28.75	2.34	30.57	2.41	31.78	2.45
	86.0	24.50	2.38	25.71	2.42	26.92	2.46	27.52	2.48	29.34	2.55	30.55	2.59
	89.6	24.01	2.44	25.22	2.48	26.43	2.52	27.03	2.54	28.85	2.60	30.06	2.65
	95.0	23.27	2.53	24.48	2.57	25.69	2.61	26.30	2.63	28.12	2.70	29.33	2.74
	104.0	21.66	2.56	22.70	2.56	23.71	2.56	24.20	2.56	25.65	2.56	26.59	2.56
	109.4	17.23	1.77	17.94	1.77	18.63	1.77	18.97	1.77	19.97	1.77	20.62	1.77
	114.8	10.85	0.98	11.24	0.98	11.62	0.98	11.81	0.98	12.36	0.98	12.72	0.98
FDXS12L + FDXS12L + FTXS15L	68.0	26.94	2.08	28.16	2.12	29.37	2.16	29.97	2.18	31.79	2.25	33.00	2.29
	77.0	25.72	2.20	26.93	2.25	28.14	2.29	28.75	2.31	30.57	2.37	31.78	2.41
	86.0	24.50	2.34	25.71	2.38	26.92	2.42	27.52	2.45	29.34	2.51	30.55	2.55
	89.6	24.01	2.40	25.22	2.44	26.43	2.48	27.03	2.50	28.85	2.56	30.06	2.61
	95.0	23.27	2.49	24.48	2.53	25.69	2.57	26.30	2.59	28.12	2.65	29.33	2.70
	104.0	21.77	2.56	22.82	2.56	23.83	2.56	24.33	2.56	25.80	2.56	26.74	2.56
	109.4	17.28	1.77	18.00	1.77	18.70	1.77	19.04	1.77	20.05	1.77	20.70	1.77
	114.8	10.87	0.98	11.26	0.98	11.65	0.98	11.83	0.98	12.39	0.98	12.75	0.98
FDXS12L + FDXS12L + CDXS15L	68.0	26.53	2.18	27.73	2.22	28.92	2.26	29.52	2.28	31.31	2.35	32.50	2.39
	77.0	25.33	2.31	26.52	2.35	27.72	2.39	28.31	2.42	30.10	2.48	31.30	2.52
	86.0	24.12	2.45	25.32	2.49	26.51	2.54	27.11	2.56	28.90	2.62	30.09	2.67
	89.6	23.64	2.51	24.83	2.55	26.03	2.60	26.62	2.62	28.41	2.68	29.61	2.73
	95.0	22.92	2.60	24.11	2.65	25.30	2.69	25.90	2.71	27.69	2.78	28.88	2.82
	104.0	21.16	2.56	22.17	2.56	23.15	2.56	23.63	2.56	25.04	2.56	25.96	2.56
	109.4	16.93	1.77	17.62	1.77	18.30	1.77	18.63	1.77	19.60	1.77	20.23	1.77
	114.8	10.71	0.98	11.09	0.98	11.47	0.98	11.65	0.98	12.19	0.98	12.53	0.98

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

C: 3D078972 ~ 3D078979  
C: 3D078980 ~ 3D078987

Heating [60 Hz, 208 - 230 V]

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	60.8	5.33	0.92	6.40	0.97	7.48	1.02	8.55	1.07	9.84	1.12	10.69	1.16	11.77	1.21
	64.4	5.20	0.93	6.27	0.98	7.34	1.03	8.42	1.08	9.70	1.13	10.56	1.17	11.63	1.22
	68.0	5.07	0.95	6.14	0.99	7.21	1.04	8.29	1.09	9.57	1.14	10.43	1.18	11.50	1.23
	70.0	4.99	0.95	6.07	1.00	7.14	1.05	8.21	1.09	9.50	1.15	10.36	1.19	11.43	1.24
	71.6	4.94	0.96	6.01	1.00	7.08	1.05	8.15	1.10	9.44	1.15	10.30	1.19	11.37	1.24
	75.2	4.81	0.97	5.88	1.01	6.95	1.06	8.02	1.11	9.31	1.16	10.17	1.20	11.24	1.25
CTXS09H	60.8	6.84	1.13	8.22	1.19	9.60	1.25	10.98	1.31	12.63	1.38	13.73	1.42	15.11	1.48
	64.4	6.68	1.15	8.05	1.20	9.43	1.26	10.81	1.32	12.46	1.39	13.56	1.44	14.94	1.49
	68.0	6.51	1.16	7.89	1.22	9.26	1.28	10.64	1.33	12.29	1.40	13.40	1.45	14.77	1.51
	70.0	6.41	1.17	7.79	1.22	9.17	1.28	10.55	1.34	12.20	1.41	13.30	1.46	14.68	1.51
	71.6	6.34	1.17	7.72	1.23	9.09	1.29	10.47	1.35	12.13	1.42	13.23	1.46	14.60	1.52
	75.2	6.17	1.18	7.55	1.24	8.93	1.30	10.30	1.36	11.96	1.43	13.06	1.47	14.44	1.53
FDXS09L	60.8	6.51	1.19	7.82	1.25	9.13	1.31	10.44	1.37	12.01	1.45	13.06	1.49	14.37	1.56
	64.4	6.35	1.20	7.66	1.26	8.97	1.33	10.28	1.39	11.85	1.46	12.90	1.51	14.21	1.57
	68.0	6.19	1.22	7.50	1.28	8.81	1.34	10.12	1.40	11.69	1.47	12.74	1.52	14.05	1.58
	70.0	6.10	1.22	7.41	1.28	8.72	1.35	10.03	1.41	11.60	1.48	12.65	1.53	13.96	1.59
	71.6	6.03	1.23	7.34	1.29	8.65	1.35	9.96	1.41	11.53	1.49	12.58	1.53	13.89	1.60
	75.2	5.87	1.24	7.18	1.30	8.49	1.37	9.80	1.43	11.37	1.50	12.42	1.55	13.73	1.61
CTXS12H	60.8	9.14	1.49	10.99	1.56	12.83	1.64	14.67	1.72	16.88	1.81	18.35	1.87	20.19	1.94
	64.4	8.92	1.50	10.76	1.58	12.60	1.66	14.44	1.73	16.65	1.82	18.12	1.89	19.96	1.96
	68.0	8.69	1.52	10.54	1.60	12.38	1.67	14.22	1.75	16.43	1.84	17.90	1.90	19.74	1.98
	70.0	8.57	1.53	10.41	1.61	12.25	1.68	14.09	1.76	16.30	1.85	17.77	1.91	19.61	1.99
	71.6	8.47	1.54	10.31	1.61	12.15	1.69	13.99	1.77	16.20	1.86	17.67	1.92	19.51	1.99
	75.2	8.24	1.55	10.09	1.63	11.93	1.71	13.77	1.78	15.97	1.87	17.45	1.94	18.84	1.93
FDXS12L	60.8	8.58	1.52	10.31	1.60	12.04	1.68	13.77	1.75	15.84	1.85	17.22	1.91	17.69	1.76
	64.4	8.37	1.54	10.10	1.61	11.83	1.69	13.56	1.77	15.63	1.86	16.76	1.88	16.76	1.66
	68.0	8.16	1.55	9.89	1.63	11.62	1.71	13.34	1.79	15.42	1.88	15.83	1.75	15.83	1.55
	70.0	8.04	1.56	9.77	1.64	11.50	1.72	13.23	1.80	15.30	1.89	15.31	1.69	15.31	1.49
	71.6	7.95	1.57	9.68	1.65	11.41	1.73	13.13	1.80	14.90	1.83	14.90	1.63	14.90	1.45
	75.2	7.74	1.59	9.47	1.67	11.19	1.74	12.92	1.82	13.97	1.70	13.97	1.52	13.97	1.34
FTXS15L	60.8	11.39	1.76	13.68	1.85	15.97	1.94	18.27	2.03	21.02	2.14	22.85	2.21	25.14	2.30
	64.4	11.11	1.78	13.40	1.87	15.69	1.96	17.99	2.05	20.74	2.16	22.57	2.23	24.86	2.32
	68.0	10.83	1.80	13.12	1.89	15.41	1.98	17.71	2.07	20.46	2.18	22.29	2.25	24.58	2.34
	70.0	10.67	1.81	12.96	1.90	15.26	1.99	17.55	2.08	20.30	2.19	22.13	2.26	24.43	2.35
	71.6	10.55	1.82	12.84	1.91	15.13	2.00	17.42	2.09	20.18	2.20	22.01	2.27	24.30	2.36
	75.2	10.27	1.84	12.56	1.93	14.85	2.02	17.14	2.11	19.90	2.22	21.73	2.29	23.86	2.35
CDXS15L	60.8	10.44	1.82	12.54	1.91	14.64	2.00	16.74	2.10	19.26	2.21	20.94	2.28	22.52	2.28
	64.4	10.18	1.84	12.28	1.93	14.38	2.02	16.48	2.12	19.00	2.23	20.68	2.30	21.34	2.12
	68.0	9.92	1.86	12.02	1.95	14.12	2.04	16.22	2.14	18.74	2.25	20.15	2.27	20.15	1.97
	70.0	9.78	1.87	11.88	1.96	13.98	2.06	16.08	2.15	18.60	2.26	19.49	2.17	19.49	1.89
	71.6	9.66	1.88	11.76	1.97	13.87	2.06	15.97	2.16	18.49	2.27	18.97	2.09	18.97	1.82
	75.2	9.41	1.90	11.51	1.99	13.61	2.08	15.71	2.18	17.78	2.19	17.78	1.92	17.78	1.68
FTXS18L	60.8	13.69	2.23	16.44	2.34	19.20	2.46	21.95	2.57	25.26	2.71	27.47	2.80	30.22	2.91
	64.4	13.35	2.25	16.11	2.37	18.86	2.48	21.62	2.59	24.92	2.73	27.13	2.82	29.88	2.94
	68.0	13.02	2.28	15.77	2.39	18.53	2.51	21.28	2.62	24.59	2.76	26.79	2.85	28.81	2.81
	70.0	12.83	2.29	15.58	2.40	18.34	2.52	21.09	2.63	24.40	2.77	26.60	2.86	27.87	2.67
	71.6	12.68	2.30	15.43	2.42	18.19	2.53	20.94	2.64	24.25	2.78	26.45	2.87	27.12	2.56
	75.2	12.34	2.33	15.10	2.44	17.85	2.56	20.61	2.67	23.91	2.81	25.42	2.74	25.42	2.33

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CDXS18L	60.8	10.77	1.87	12.94	1.96	15.11	2.06	17.28	2.15	19.88	2.27	21.61	2.34	22.21	2.14
	64.4	10.51	1.89	12.67	1.98	14.84	2.08	17.01	2.17	19.61	2.29	21.04	2.30	21.04	2.00
	68.0	10.24	1.91	12.41	2.00	14.58	2.10	16.75	2.19	19.35	2.31	19.87	2.14	19.87	1.86
	70.0	10.09	1.92	12.26	2.01	14.43	2.11	16.60	2.21	19.20	2.32	19.22	2.05	19.22	1.79
	71.6	9.98	1.93	12.14	2.02	14.31	2.12	16.48	2.21	18.70	2.24	18.70	1.98	18.70	1.73
	75.2	9.71	1.95	11.88	2.04	14.05	2.14	16.22	2.24	17.53	2.06	17.53	1.82	17.53	1.59
CTXS07L + CTXS07L	60.8	10.66	1.38	12.80	1.45	14.95	1.52	17.10	1.60	19.67	1.68	21.39	1.74	23.53	1.81
	64.4	10.40	1.40	12.54	1.47	14.69	1.54	16.83	1.61	19.41	1.70	21.12	1.75	23.27	1.82
	68.0	10.13	1.41	12.28	1.48	14.43	1.56	16.57	1.63	19.15	1.71	20.86	1.77	23.01	1.84
	70.0	9.99	1.42	12.13	1.49	14.28	1.56	16.43	1.64	19.00	1.72	20.72	1.78	22.86	1.85
	71.6	9.87	1.43	12.02	1.50	14.16	1.57	16.31	1.64	18.88	1.73	20.60	1.78	22.75	1.85
	75.2	9.61	1.44	11.76	1.52	13.90	1.59	16.05	1.66	18.62	1.74	20.34	1.80	22.48	1.87
CTXS07L + CTXS09H	60.8	12.17	1.66	14.62	1.74	17.07	1.83	19.53	1.91	22.47	2.01	24.43	2.08	26.88	2.17
	64.4	11.87	1.67	14.33	1.76	16.78	1.84	19.23	1.93	22.17	2.03	24.13	2.10	26.58	2.18
	68.0	11.58	1.69	14.03	1.78	16.48	1.86	18.93	1.95	21.87	2.05	23.83	2.12	26.28	2.20
	70.0	11.41	1.70	13.86	1.79	16.31	1.87	18.76	1.96	21.70	2.06	23.66	2.13	26.11	2.21
	71.6	11.28	1.71	13.73	1.80	16.18	1.88	18.63	1.97	21.57	2.07	23.53	2.14	25.98	2.22
	75.2	10.98	1.73	13.43	1.82	15.88	1.90	18.33	1.99	21.27	2.09	23.23	2.15	25.68	2.24
CTXS07L + FDXS09L	60.8	11.89	1.74	14.29	1.83	16.68	1.91	19.08	2.00	21.95	2.11	23.86	2.18	26.26	2.27
	64.4	11.60	1.76	13.99	1.85	16.39	1.93	18.78	2.02	21.66	2.13	23.57	2.20	25.96	2.29
	68.0	11.31	1.78	13.70	1.86	16.10	1.95	18.49	2.04	21.36	2.15	23.28	2.22	25.67	2.31
	70.0	11.15	1.79	13.54	1.88	15.93	1.96	18.33	2.05	21.20	2.16	23.12	2.23	25.51	2.32
	71.6	11.02	1.80	13.41	1.88	15.80	1.97	18.20	2.06	21.07	2.17	22.98	2.24	25.38	2.33
	75.2	10.72	1.81	13.12	1.90	15.51	1.99	17.90	2.08	20.78	2.19	22.69	2.26	25.09	2.35
CTXS07L + CTXS12H	60.8	14.42	2.11	17.32	2.22	20.22	2.33	23.12	2.44	26.61	2.57	28.93	2.66	31.83	2.76
	64.4	14.06	2.14	16.97	2.25	19.87	2.35	22.77	2.46	26.25	2.59	28.57	2.68	31.48	2.79
	68.0	13.71	2.16	16.61	2.27	19.51	2.38	22.41	2.49	25.90	2.62	28.22	2.70	31.12	2.81
	70.0	13.51	2.18	16.41	2.28	19.32	2.39	22.22	2.50	25.70	2.63	28.02	2.72	30.92	2.82
	71.6	13.35	2.19	16.26	2.29	19.16	2.40	22.06	2.51	25.54	2.64	27.86	2.73	30.77	2.84
	75.2	13.00	2.21	15.90	2.32	18.80	2.43	21.71	2.53	25.19	2.66	27.51	2.75	30.41	2.86
CTXS07L + FDXS12L	60.8	14.08	2.18	16.92	2.29	19.75	2.40	22.58	2.51	25.99	2.65	28.25	2.74	31.09	2.85
	64.4	13.74	2.20	16.57	2.31	19.40	2.43	22.24	2.54	25.64	2.67	27.91	2.76	30.74	2.87
	68.0	13.39	2.23	16.22	2.34	19.06	2.45	21.89	2.56	25.29	2.70	27.56	2.79	30.39	2.90
	70.0	13.20	2.24	16.03	2.35	18.86	2.46	21.70	2.58	25.10	2.71	27.37	2.80	30.20	2.91
	71.6	13.04	2.25	15.88	2.36	18.71	2.48	21.54	2.59	24.95	2.72	27.21	2.81	30.05	2.92
	75.2	12.70	2.28	15.53	2.39	18.36	2.50	21.20	2.61	24.60	2.75	26.87	2.83	29.70	2.95
CTXS07L + FTXS15L	60.8	16.77	2.44	20.15	2.57	23.53	2.69	26.90	2.82	30.96	2.97	33.66	3.07	37.03	3.20
	64.4	16.36	2.47	19.74	2.60	23.11	2.72	26.49	2.85	30.54	3.00	33.24	3.10	36.62	3.22
	68.0	15.95	2.50	19.33	2.62	22.70	2.75	26.08	2.87	30.13	3.02	32.83	3.12	36.21	3.25
	70.0	15.72	2.51	19.10	2.64	22.47	2.76	25.85	2.89	29.90	3.04	32.60	3.14	35.98	3.27
	71.6	15.54	2.53	18.91	2.65	22.29	2.78	25.67	2.90	29.72	3.05	32.42	3.15	35.79	3.28
	75.2	15.12	2.55	18.50	2.68	21.88	2.80	25.25	2.93	29.30	3.08	32.00	3.18	35.38	3.30
CTXS07L + CDXS15L	60.8	16.33	2.65	19.61	2.79	22.90	2.93	26.18	3.06	30.13	3.22	32.76	3.33	36.04	3.47
	64.4	15.92	2.68	19.21	2.82	22.50	2.95	25.78	3.09	29.73	3.25	32.35	3.36	35.64	3.50
	68.0	15.52	2.71	18.81	2.85	22.09	2.98	25.38	3.12	29.32	3.28	31.95	3.39	35.24	3.53
	70.0	15.30	2.73	18.59	2.87	21.87	3.00	25.16	3.14	29.10	3.30	31.73	3.41	35.01	3.54
	71.6	15.12	2.74	18.41	2.88	21.69	3.01	24.98	3.15	28.92	3.31	31.55	3.42	34.84	3.56
	75.2	14.72	2.77	18.00	2.91	21.29	3.04	24.58	3.18	28.52	3.34	31.15	3.45	34.43	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FTXS18L	60.8	17.06	2.49	20.49	2.62	23.92	2.75	27.35	2.88	31.47	3.03	34.22	3.13	37.65	3.26
	64.4	16.64	2.52	20.07	2.65	23.50	2.78	26.93	2.90	31.05	3.06	33.80	3.16	37.23	3.29
	68.0	16.22	2.55	19.65	2.68	23.08	2.80	26.51	2.93	30.63	3.08	33.38	3.19	36.81	3.31
	70.0	15.98	2.56	19.42	2.69	22.85	2.82	26.28	2.95	30.40	3.10	33.15	3.20	36.58	3.33
	71.6	15.80	2.58	19.23	2.70	22.66	2.83	26.09	2.96	30.21	3.11	32.96	3.21	36.39	3.34
	75.2	15.38	2.60	18.81	2.73	22.24	2.86	25.67	2.99	29.79	3.14	32.54	3.24	35.97	3.37
CTXS07L + CDXS18L	60.8	16.66	2.75	20.02	2.89	23.37	3.03	26.72	3.17	30.75	3.34	33.43	3.45	36.78	3.59
	64.4	16.25	2.78	19.61	2.92	22.96	3.06	26.31	3.20	30.34	3.37	33.02	3.48	36.37	3.63
	68.0	15.84	2.81	19.20	2.95	22.55	3.09	25.90	3.23	29.93	3.40	32.61	3.52	35.96	3.66
	70.0	15.61	2.83	18.97	2.97	22.32	3.11	25.68	3.25	29.70	3.42	32.38	3.53	35.74	3.67
	71.6	15.43	2.84	18.79	2.98	22.14	3.12	25.49	3.26	29.52	3.43	32.20	3.55	35.55	3.69
	75.2	15.02	2.87	18.38	3.01	21.73	3.15	25.08	3.30	29.11	3.46	31.79	3.58	35.14	3.72
CTXS09H + CTXS09H	60.8	13.69	1.95	16.44	2.05	19.20	2.15	21.95	2.24	25.26	2.36	27.47	2.44	30.22	2.54
	64.4	13.35	1.97	16.11	2.07	18.86	2.17	21.62	2.27	24.92	2.39	27.13	2.47	29.88	2.57
	68.0	13.02	1.99	15.77	2.09	18.53	2.19	21.28	2.29	24.59	2.41	26.79	2.49	29.55	2.59
	70.0	12.83	2.00	15.58	2.10	18.34	2.20	21.09	2.30	24.40	2.42	26.60	2.50	29.36	2.60
	71.6	12.68	2.01	15.43	2.11	18.19	2.21	20.94	2.31	24.25	2.43	26.45	2.51	29.21	2.61
	75.2	12.34	2.03	15.10	2.13	17.85	2.23	20.61	2.33	23.91	2.45	26.12	2.53	28.87	2.63
CTXS09H + FDXS09L	60.8	13.35	1.99	16.04	2.10	18.73	2.20	21.41	2.30	24.64	2.42	26.79	2.50	29.48	2.61
	64.4	13.02	2.02	15.71	2.12	18.40	2.22	21.09	2.32	24.31	2.45	26.46	2.53	29.15	2.63
	68.0	12.70	2.04	15.38	2.14	18.07	2.24	20.76	2.35	23.98	2.47	26.13	2.55	28.82	2.65
	70.0	12.51	2.05	15.20	2.15	17.89	2.26	20.58	2.36	23.80	2.48	25.95	2.56	28.64	2.66
	71.6	12.37	2.06	15.05	2.16	17.74	2.27	20.43	2.37	23.65	2.49	25.80	2.57	28.49	2.67
	75.2	12.04	2.08	14.73	2.19	17.41	2.29	20.10	2.39	23.33	2.51	25.48	2.59	28.16	2.70
FDXS09L + FDXS09L	60.8	13.02	2.10	15.64	2.21	18.26	2.31	20.87	2.42	24.02	2.55	26.11	2.64	28.73	2.74
	64.4	12.70	2.12	15.32	2.23	17.93	2.34	20.55	2.44	23.70	2.57	25.79	2.66	28.41	2.77
	68.0	12.38	2.15	14.99	2.25	17.61	2.36	20.23	2.47	23.38	2.60	25.47	2.68	28.09	2.79
	70.0	12.20	2.16	14.82	2.27	17.44	2.37	20.06	2.48	23.20	2.61	25.30	2.70	27.92	2.80
	71.6	12.05	2.17	14.67	2.28	17.29	2.38	19.91	2.49	23.06	2.62	25.15	2.71	27.77	2.81
	75.2	11.73	2.19	14.35	2.30	16.97	2.41	19.59	2.51	22.74	2.64	24.83	2.73	27.45	2.84
CTXS09H + CTXS12H	60.8	15.93	2.53	19.14	2.66	22.35	2.79	25.55	2.92	29.40	3.08	31.97	3.18	35.17	3.31
	64.4	15.54	2.56	18.75	2.69	21.95	2.82	25.16	2.95	29.01	3.11	31.58	3.21	34.78	3.34
	68.0	15.15	2.59	18.36	2.72	21.56	2.85	24.77	2.98	28.62	3.13	31.18	3.24	34.39	3.37
	70.0	14.93	2.61	18.14	2.73	21.34	2.86	24.55	2.99	28.40	3.15	30.97	3.25	34.17	3.38
	71.6	14.76	2.62	17.96	2.75	21.17	2.88	24.38	3.01	28.23	3.16	30.79	3.27	34.00	3.40
	75.2	14.36	2.65	17.57	2.78	20.78	2.91	23.99	3.04	27.83	3.19	30.40	3.29	33.61	3.42
CTXS09H + FDXS12L	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51
FDXS09L + CTXS12H	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
CTXS09H + FTXS15L	60.8	16.94	2.48	20.35	2.61	23.76	2.74	27.17	2.87	31.27	3.02	33.99	3.12	37.40	3.25
	64.4	16.53	2.51	19.94	2.64	23.35	2.77	26.76	2.89	30.85	3.05	33.58	3.15	36.99	3.28
	68.0	16.11	2.54	19.52	2.67	22.93	2.79	26.34	2.92	30.43	3.07	33.16	3.18	36.57	3.30
	70.0	15.88	2.56	19.29	2.68	22.70	2.81	26.11	2.94	30.20	3.09	32.93	3.19	36.34	3.32
	71.6	15.69	2.57	19.10	2.70	22.51	2.82	25.92	2.95	30.01	3.10	32.74	3.20	36.15	3.33
	75.2	15.28	2.60	18.69	2.72	22.10	2.85	25.51	2.98	29.60	3.13	32.33	3.23	35.74	3.36
CTXS09H + CDXS15L	60.8	16.55	2.70	19.88	2.84	23.21	2.98	26.54	3.12	30.54	3.28	33.21	3.39	36.54	3.53
	64.4	16.14	2.73	19.47	2.87	22.81	3.01	26.14	3.15	30.13	3.31	32.80	3.42	36.13	3.56
	68.0	15.74	2.76	19.07	2.90	22.40	3.04	25.73	3.18	29.73	3.34	32.39	3.45	35.72	3.59
	70.0	15.51	2.78	18.84	2.92	22.17	3.06	25.50	3.19	29.50	3.36	32.16	3.47	35.50	3.61
	71.6	15.33	2.79	18.66	2.93	21.99	3.07	25.32	3.21	29.32	3.37	31.98	3.48	35.31	3.62
	75.2	14.92	2.82	18.25	2.96	21.58	3.10	24.91	3.24	28.91	3.40	31.58	3.51	34.91	3.65
FDXS09L + FTXS15L	60.8	16.55	2.59	19.88	2.72	23.21	2.85	26.54	2.99	30.54	3.15	33.21	3.25	36.54	3.38
	64.4	16.14	2.62	19.47	2.75	22.81	2.88	26.14	3.02	30.13	3.17	32.80	3.28	36.13	3.41
	68.0	15.74	2.65	19.07	2.78	22.40	2.91	25.73	3.04	29.73	3.20	32.39	3.31	35.72	3.44
	70.0	15.51	2.66	18.84	2.80	22.17	2.93	25.50	3.06	29.50	3.22	32.16	3.33	35.50	3.46
	71.6	15.33	2.68	18.66	2.81	21.99	2.94	25.32	3.07	29.32	3.23	31.98	3.34	35.31	3.47
	75.2	14.92	2.70	18.25	2.84	21.58	2.97	24.91	3.10	28.91	3.26	31.58	3.37	34.91	3.50
FDXS09L + CDXS15L	60.8	16.27	2.81	19.54	2.96	22.82	3.10	26.09	3.25	30.02	3.42	32.64	3.53	35.92	3.68
	64.4	15.87	2.85	19.14	2.99	22.42	3.13	25.69	3.28	29.62	3.45	32.24	3.57	35.52	3.71
	68.0	15.47	2.88	18.74	3.02	22.02	3.17	25.29	3.31	29.22	3.48	31.84	3.60	35.12	3.74
	70.0	15.25	2.89	18.52	3.04	21.80	3.18	25.07	3.33	29.00	3.50	31.62	3.62	34.80	3.74
	71.6	15.07	2.91	18.34	3.05	21.62	3.20	24.89	3.34	28.82	3.51	31.44	3.63	33.86	3.55
	75.2	14.67	2.94	17.94	3.08	21.22	3.23	24.49	3.37	28.42	3.55	31.04	3.66	31.75	3.17
CTXS09H + FTXS18L	60.8	17.11	2.49	20.56	2.62	24.00	2.75	27.44	2.88	31.58	3.03	34.33	3.13	37.78	3.26
	64.4	16.69	2.52	20.13	2.65	23.58	2.78	27.02	2.90	31.16	3.06	33.91	3.16	37.35	3.29
	68.0	16.27	2.55	19.71	2.68	23.16	2.80	26.60	2.93	30.73	3.08	33.49	3.19	36.93	3.31
	70.0	16.04	2.56	19.48	2.69	22.92	2.82	26.37	2.95	30.50	3.10	33.26	3.20	36.70	3.33
	71.6	15.85	2.58	19.29	2.70	22.74	2.83	26.18	2.96	30.31	3.11	33.07	3.21	36.51	3.34
	75.2	15.43	2.60	18.87	2.73	22.31	2.86	25.76	2.99	29.89	3.14	32.65	3.24	36.09	3.37
CTXS09H + CDXS18L	60.8	16.83	2.80	20.22	2.94	23.61	3.08	26.99	3.23	31.06	3.40	33.77	3.51	37.16	3.66
	64.4	16.42	2.83	19.80	2.97	23.19	3.12	26.58	3.26	30.64	3.43	33.35	3.55	36.74	3.69
	68.0	16.00	2.86	19.39	3.00	22.78	3.15	26.17	3.29	30.23	3.46	32.94	3.58	36.33	3.72
	70.0	15.77	2.88	19.16	3.02	22.55	3.16	25.93	3.31	30.00	3.48	32.71	3.59	36.10	3.74
	71.6	15.59	2.89	18.98	3.04	22.36	3.18	25.75	3.32	29.82	3.49	32.53	3.61	35.91	3.75
	75.2	15.17	2.92	18.56	3.07	21.95	3.21	25.34	3.35	29.40	3.53	32.11	3.64	35.50	3.78
FDXS09L + FTXS18L	60.8	16.94	2.64	20.35	2.77	23.76	2.91	27.17	3.04	31.27	3.20	33.99	3.31	37.40	3.45
	64.4	16.53	2.67	19.94	2.80	23.35	2.94	26.76	3.07	30.85	3.23	33.58	3.34	36.99	3.48
	68.0	16.11	2.70	19.52	2.83	22.93	2.97	26.34	3.10	30.43	3.26	33.16	3.37	36.57	3.51
	70.0	15.88	2.71	19.29	2.85	22.70	2.98	26.11	3.12	30.20	3.28	32.93	3.39	36.34	3.52
	71.6	15.69	2.73	19.10	2.86	22.51	3.00	25.92	3.13	30.01	3.29	32.74	3.40	36.15	3.54
	75.2	15.28	2.76	18.69	2.89	22.10	3.03	25.51	3.16	29.60	3.32	32.33	3.43	35.74	3.57

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + CDXS18L	60.8	16.66	2.97	20.02	3.12	23.37	3.27	26.72	3.42	30.75	3.61	33.43	3.73	36.78	3.88
	64.4	16.25	3.00	19.61	3.15	22.96	3.30	26.31	3.46	30.34	3.64	33.02	3.76	36.37	3.91
	68.0	15.84	3.03	19.20	3.19	22.55	3.34	25.90	3.49	29.93	3.67	32.61	3.79	35.70	3.87
	70.0	15.61	3.05	18.97	3.20	22.32	3.36	25.68	3.51	29.70	3.69	32.38	3.81	34.53	3.64
	71.6	15.43	3.07	18.79	3.22	22.14	3.37	25.49	3.52	29.52	3.70	32.20	3.83	33.60	3.47
	75.2	15.02	3.10	18.38	3.25	21.73	3.40	25.08	3.56	29.11	3.74	31.50	3.77	31.50	3.10
CTXS12H + CTXS12H	60.8	16.83	2.82	20.22	2.97	23.61	3.11	26.99	3.26	31.06	3.43	33.77	3.54	37.16	3.69
	64.4	16.42	2.85	19.80	3.00	23.19	3.14	26.58	3.29	30.64	3.46	33.35	3.58	36.74	3.72
	68.0	16.00	2.89	19.39	3.03	22.78	3.17	26.17	3.32	30.23	3.49	32.94	3.61	36.33	3.75
	70.0	15.77	2.90	19.16	3.05	22.55	3.19	25.93	3.34	30.00	3.51	32.71	3.63	36.10	3.77
	71.6	15.59	2.92	18.98	3.06	22.36	3.21	25.75	3.35	29.82	3.52	32.53	3.64	35.91	3.78
	75.2	15.17	2.95	18.56	3.09	21.95	3.24	25.34	3.38	29.40	3.56	32.11	3.67	35.50	3.82
FDXS12L + CTXS12H	60.8	15.88	2.69	19.07	2.83	22.27	2.97	25.46	3.11	29.30	3.27	31.86	3.38	35.05	3.52
	64.4	15.49	2.72	18.68	2.86	21.88	3.00	25.07	3.14	28.91	3.30	31.46	3.41	34.66	3.55
	68.0	15.10	2.75	18.29	2.89	21.49	3.03	24.68	3.17	28.52	3.33	31.07	3.44	34.27	3.58
	70.0	14.88	2.77	18.07	2.91	21.27	3.05	24.47	3.18	28.30	3.35	30.86	3.46	34.05	3.60
	71.6	14.70	2.78	17.90	2.92	21.10	3.06	24.29	3.20	28.13	3.36	30.68	3.47	33.88	3.61
	75.2	14.31	2.81	17.51	2.95	20.71	3.09	23.90	3.23	27.74	3.39	30.29	3.50	32.80	3.47
FDXS12L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
CTXS12H + FTXS15L	60.8	17.11	2.58	20.56	2.71	24.00	2.85	27.44	2.98	31.58	3.14	34.33	3.24	37.78	3.37
	64.4	16.69	2.61	20.13	2.74	23.58	2.87	27.02	3.01	31.16	3.17	33.91	3.27	37.35	3.40
	68.0	16.27	2.64	19.71	2.77	23.16	2.90	26.60	3.04	30.73	3.19	33.49	3.30	36.93	3.43
	70.0	16.04	2.65	19.48	2.79	22.92	2.92	26.37	3.05	30.50	3.21	33.26	3.32	36.70	3.45
	71.6	15.85	2.67	19.29	2.80	22.74	2.93	26.18	3.06	30.31	3.22	33.07	3.33	36.51	3.46
	75.2	15.43	2.70	18.87	2.83	22.31	2.96	25.76	3.09	29.89	3.25	32.65	3.36	36.09	3.49
CTXS12H + CDXS15L	60.8	17.00	2.85	20.42	2.99	23.84	3.14	27.26	3.28	31.37	3.46	34.11	3.58	37.53	3.72
	64.4	16.58	2.88	20.00	3.02	23.42	3.17	26.85	3.32	30.95	3.49	33.69	3.61	37.11	3.75
	68.0	16.16	2.91	19.58	3.06	23.01	3.20	26.43	3.35	30.53	3.52	33.27	3.64	36.69	3.78
	70.0	15.93	2.93	19.35	3.07	22.77	3.22	26.19	3.37	30.30	3.54	33.04	3.66	36.46	3.80
	71.6	15.74	2.94	19.17	3.09	22.59	3.23	26.01	3.38	30.11	3.55	32.85	3.67	36.27	3.82
	75.2	15.33	2.97	18.75	3.12	22.17	3.27	25.59	3.41	29.70	3.59	32.43	3.70	35.85	3.85
FDXS12L + FTXS15L	60.8	17.00	2.73	20.42	2.87	23.84	3.01	27.26	3.15	31.37	3.32	34.11	3.43	37.53	3.57
	64.4	16.58	2.76	20.00	2.90	23.42	3.04	26.85	3.18	30.95	3.35	33.69	3.46	37.11	3.60
	68.0	16.16	2.79	19.58	2.93	23.01	3.07	26.43	3.21	30.53	3.38	33.27	3.49	36.69	3.64
	70.0	15.93	2.81	19.35	2.95	22.77	3.09	26.19	3.23	30.30	3.40	33.04	3.51	36.46	3.65
	71.6	15.74	2.83	19.17	2.97	22.59	3.11	26.01	3.25	30.11	3.41	32.85	3.53	36.27	3.67
	75.2	15.33	2.86	18.75	3.00	22.17	3.14	25.59	3.28	29.70	3.44	32.43	3.56	35.85	3.70
FDXS12L + CDXS15L	60.8	16.83	3.02	20.22	3.17	23.61	3.32	26.99	3.48	31.06	3.66	33.77	3.79	37.16	3.94
	64.4	16.42	3.05	19.80	3.20	23.19	3.36	26.58	3.51	30.64	3.70	33.35	3.82	36.74	3.97
	68.0	16.00	3.08	19.39	3.24	22.78	3.39	26.17	3.55	30.23	3.73	32.94	3.85	35.98	3.91
	70.0	15.77	3.10	19.16	3.26	22.55	3.41	25.93	3.56	30.00	3.75	32.71	3.87	34.80	3.68
	71.6	15.59	3.12	18.98	3.27	22.36	3.43	25.75	3.58	29.82	3.77	32.53	3.89	33.86	3.50
	75.2	15.17	3.15	18.56	3.30	21.95	3.46	25.34	3.61	29.40	3.80	31.75	3.81	31.75	3.13

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + FTXS18L	60.8	17.34	2.58	20.82	2.71	24.31	2.85	27.80	2.98	31.99	3.14	34.78	3.24	38.27	3.37
	64.4	16.91	2.61	20.40	2.74	23.89	2.87	27.38	3.01	31.56	3.17	34.36	3.27	37.84	3.40
	68.0	16.48	2.64	19.97	2.77	23.46	2.90	26.95	3.04	31.14	3.19	33.93	3.30	37.42	3.43
	70.0	16.25	2.65	19.73	2.79	23.22	2.92	26.71	3.05	30.90	3.21	33.69	3.32	37.18	3.45
	71.6	16.06	2.67	19.55	2.80	23.03	2.93	26.52	3.06	30.71	3.22	33.50	3.33	36.99	3.46
	75.2	15.63	2.70	19.12	2.83	22.61	2.96	26.10	3.09	30.28	3.25	33.08	3.36	36.56	3.49
CTXS12H + CDXS18L	60.8	17.00	2.85	20.42	2.99	23.84	3.14	27.26	3.28	31.37	3.46	34.11	3.58	37.53	3.72
	64.4	16.58	2.88	20.00	3.02	23.42	3.17	26.85	3.32	30.95	3.49	33.69	3.61	37.11	3.75
	68.0	16.16	2.91	19.58	3.06	23.01	3.20	26.43	3.35	30.53	3.52	33.27	3.64	36.69	3.78
	70.0	15.93	2.93	19.35	3.07	22.77	3.22	26.19	3.37	30.30	3.54	33.04	3.66	36.46	3.80
	71.6	15.74	2.94	19.17	3.09	22.59	3.23	26.01	3.38	30.11	3.55	32.85	3.67	36.27	3.82
	75.2	15.33	2.97	18.75	3.12	22.17	3.27	25.59	3.41	29.70	3.59	32.43	3.70	35.85	3.85
FDXS12L + FTXS18L	60.8	17.00	2.64	20.42	2.77	23.84	2.91	27.26	3.04	31.37	3.20	34.11	3.31	37.53	3.45
	64.4	16.58	2.67	20.00	2.80	23.42	2.94	26.85	3.07	30.95	3.23	33.69	3.34	37.11	3.48
	68.0	16.16	2.70	19.58	2.83	23.01	2.97	26.43	3.10	30.53	3.26	33.27	3.37	36.69	3.51
	70.0	15.93	2.71	19.35	2.85	22.77	2.98	26.19	3.12	30.30	3.28	33.04	3.39	36.46	3.52
	71.6	15.74	2.73	19.17	2.86	22.59	3.00	26.01	3.13	30.11	3.29	32.85	3.40	36.27	3.54
	75.2	15.33	2.76	18.75	2.89	22.17	3.03	25.59	3.16	29.70	3.32	32.43	3.43	35.85	3.57
FDXS12L + CDXS18L	60.8	16.61	2.97	19.95	3.12	23.29	3.27	26.63	3.42	30.64	3.61	33.32	3.73	36.66	3.88
	64.4	16.20	3.00	19.54	3.15	22.88	3.30	26.22	3.46	30.24	3.64	32.91	3.76	36.25	3.91
	68.0	15.79	3.03	19.13	3.19	22.47	3.34	25.82	3.49	29.83	3.67	32.50	3.79	35.70	3.91
	70.0	15.56	3.05	18.90	3.20	22.25	3.36	25.59	3.51	29.60	3.69	32.27	3.81	34.53	3.67
	71.6	15.38	3.07	18.72	3.22	22.07	3.37	25.41	3.52	29.42	3.70	32.09	3.83	33.60	3.49
	75.2	14.97	3.10	18.31	3.25	21.66	3.40	25.00	3.56	29.01	3.74	31.50	3.80	31.50	3.12
FTXS15L + FTXS15L	60.8	17.45	2.39	20.96	2.51	24.47	2.63	27.98	2.75	32.20	2.90	35.01	3.00	38.52	3.12
	64.4	17.02	2.41	20.53	2.54	24.04	2.66	27.55	2.78	31.77	2.93	34.58	3.03	38.09	3.15
	68.0	16.59	2.44	20.10	2.56	23.61	2.69	27.12	2.81	31.34	2.96	34.15	3.05	37.66	3.18
	70.0	16.35	2.46	19.86	2.58	23.37	2.70	26.89	2.82	31.10	2.97	33.91	3.07	37.42	3.19
	71.6	16.16	2.47	19.67	2.59	23.18	2.71	26.70	2.84	30.91	2.98	33.72	3.08	37.23	3.20
	75.2	15.73	2.49	19.24	2.62	22.75	2.74	26.27	2.86	30.48	3.01	33.29	3.11	36.80	3.23
CDXS15L + FTXS15L	60.8	17.17	2.57	20.62	2.70	24.08	2.84	27.53	2.97	31.68	3.13	34.44	3.23	37.90	3.36
	64.4	16.74	2.60	20.20	2.73	23.66	2.87	27.11	3.00	31.26	3.16	34.02	3.26	37.48	3.39
	68.0	16.32	2.63	19.78	2.76	23.23	2.89	26.69	3.03	30.83	3.18	33.60	3.29	37.05	3.42
	70.0	16.09	2.65	19.54	2.78	23.00	2.91	26.45	3.04	30.60	3.20	33.36	3.31	36.82	3.44
	71.6	15.90	2.66	19.36	2.79	22.81	2.92	26.27	3.05	30.41	3.21	33.18	3.32	36.63	3.45
	75.2	15.48	2.69	18.93	2.82	22.39	2.95	25.84	3.08	29.99	3.24	32.75	3.35	36.21	3.48
CDXS15L + CDXS15L	60.8	16.94	2.82	20.35	2.97	23.76	3.11	27.17	3.26	31.27	3.43	33.99	3.54	37.40	3.69
	64.4	16.53	2.85	19.94	3.00	23.35	3.14	26.76	3.29	30.85	3.46	33.58	3.58	36.99	3.72
	68.0	16.11	2.89	19.52	3.03	22.93	3.17	26.34	3.32	30.43	3.49	33.16	3.61	36.57	3.75
	70.0	15.88	2.90	19.29	3.05	22.70	3.19	26.11	3.34	30.20	3.51	32.93	3.63	36.34	3.77
	71.6	15.69	2.92	19.10	3.06	22.51	3.21	25.92	3.35	30.01	3.52	32.74	3.64	36.15	3.78
	75.2	15.28	2.95	18.69	3.09	22.10	3.24	25.51	3.38	29.60	3.56	32.33	3.67	35.56	3.77
FTXS15L + FTXS18L	60.8	17.67	2.40	21.23	2.53	24.79	2.65	28.34	2.77	32.61	2.92	35.46	3.02	39.01	3.14
	64.4	17.24	2.43	20.79	2.55	24.35	2.68	27.91	2.80	32.18	2.95	35.02	3.05	38.58	3.17
	68.0	16.80	2.46	20.36	2.58	23.92	2.70	27.47	2.83	31.74	2.98	34.59	3.07	38.14	3.20
	70.0	16.56	2.47	20.12	2.60	23.67	2.72	27.23	2.84	31.50	2.99	34.35	3.09	37.90	3.21
	71.6	16.37	2.48	19.92	2.61	23.48	2.73	27.04	2.85	31.31	3.00	34.15	3.10	37.71	3.22
	75.2	15.93	2.51	19.49	2.63	23.05	2.76	26.60	2.88	30.87	3.03	33.72	3.13	37.27	3.25

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS15L + CDXS18L	60.8	17.34	2.62	20.82	2.76	24.31	2.89	27.80	3.02	31.99	3.18	34.78	3.29	38.27	3.43
	64.4	16.91	2.65	20.40	2.78	23.89	2.92	27.38	3.05	31.56	3.21	34.36	3.32	37.84	3.46
	68.0	16.48	2.68	19.97	2.81	23.46	2.95	26.95	3.08	31.14	3.24	33.93	3.35	37.42	3.49
	70.0	16.25	2.70	19.73	2.83	23.22	2.96	26.71	3.10	30.90	3.26	33.69	3.37	37.18	3.50
	71.6	16.06	2.71	19.55	2.84	23.03	2.98	26.52	3.11	30.71	3.27	33.50	3.38	36.99	3.51
	75.2	15.63	2.74	19.12	2.87	22.61	3.01	26.10	3.14	30.28	3.30	33.08	3.41	36.56	3.54
CDXS15L + FTXS18L	60.8	17.34	2.58	20.82	2.71	24.31	2.85	27.80	2.98	31.99	3.14	34.78	3.24	38.27	3.37
	64.4	16.91	2.61	20.40	2.74	23.89	2.87	27.38	3.01	31.56	3.17	34.36	3.27	37.84	3.40
	68.0	16.48	2.64	19.97	2.77	23.46	2.90	26.95	3.04	31.14	3.19	33.93	3.30	37.42	3.43
	70.0	16.25	2.65	19.73	2.79	23.22	2.92	26.71	3.05	30.90	3.21	33.69	3.32	37.18	3.45
	71.6	16.06	2.67	19.55	2.80	23.03	2.93	26.52	3.06	30.71	3.22	33.50	3.33	36.99	3.46
	75.2	15.63	2.70	19.12	2.83	22.61	2.96	26.10	3.09	30.28	3.25	33.08	3.36	36.56	3.49
CDXS15L + CDXS18L	60.8	17.11	2.87	20.56	3.02	24.00	3.16	27.44	3.31	31.58	3.49	34.33	3.61	37.78	3.75
	64.4	16.69	2.90	20.13	3.05	23.58	3.20	27.02	3.34	31.16	3.52	33.91	3.64	37.35	3.78
	68.0	16.27	2.93	19.71	3.08	23.16	3.23	26.60	3.38	30.73	3.55	33.49	3.67	36.93	3.82
	70.0	16.04	2.95	19.48	3.10	22.92	3.25	26.37	3.39	30.50	3.57	33.26	3.69	36.70	3.83
	71.6	15.85	2.97	19.29	3.11	22.74	3.26	26.18	3.41	30.31	3.58	33.07	3.70	36.51	3.85
	75.2	15.43	3.00	18.87	3.15	22.31	3.29	25.76	3.44	29.89	3.62	32.65	3.73	35.31	3.68
FTXS18L + FTXS18L	60.8	17.84	2.42	21.43	2.54	25.02	2.67	28.61	2.79	32.92	2.94	35.79	3.04	39.39	3.16
	64.4	17.40	2.45	20.99	2.57	24.58	2.70	28.17	2.82	32.48	2.97	35.36	3.07	38.95	3.19
	68.0	16.96	2.47	20.55	2.60	24.14	2.72	27.73	2.85	32.04	2.99	34.92	3.09	38.51	3.22
	70.0	16.72	2.49	20.31	2.61	23.90	2.74	27.49	2.86	31.80	3.01	34.67	3.11	38.26	3.23
	71.6	16.52	2.50	20.11	2.63	23.71	2.75	27.30	2.87	31.60	3.02	34.48	3.12	38.07	3.25
	75.2	16.08	2.53	19.68	2.65	23.27	2.78	26.86	2.90	31.17	3.05	34.04	3.15	37.63	3.27
CDXS18L + FTXS18L	60.8	17.45	2.63	20.96	2.76	24.47	2.90	27.98	3.03	32.20	3.19	35.01	3.30	38.52	3.44
	64.4	17.02	2.66	20.53	2.79	24.04	2.93	27.55	3.06	31.77	3.22	34.58	3.33	38.09	3.47
	68.0	16.59	2.69	20.10	2.82	23.61	2.96	27.12	3.09	31.34	3.25	34.15	3.36	37.66	3.50
	70.0	16.35	2.70	19.86	2.84	23.37	2.97	26.89	3.11	31.10	3.27	33.91	3.38	37.42	3.51
	71.6	16.16	2.72	19.67	2.85	23.18	2.99	26.70	3.12	30.91	3.28	33.72	3.39	37.23	3.53
	75.2	15.73	2.75	19.24	2.88	22.75	3.02	26.27	3.15	30.48	3.31	33.29	3.42	36.80	3.55
CDXS18L + CDXS18L	60.8	17.22	2.92	20.69	3.07	24.16	3.22	27.62	3.37	31.78	3.55	34.56	3.67	38.02	3.82
	64.4	16.80	2.95	20.27	3.10	23.73	3.25	27.20	3.40	31.36	3.58	34.13	3.70	37.60	3.85
	68.0	16.38	2.98	19.84	3.13	23.31	3.28	26.78	3.43	30.94	3.61	33.71	3.73	37.18	3.88
	70.0	16.14	3.00	19.61	3.15	23.07	3.30	26.54	3.45	30.70	3.63	33.47	3.75	36.94	3.90
	71.6	15.95	3.02	19.42	3.17	22.89	3.32	26.35	3.47	30.51	3.64	33.28	3.76	36.75	3.91
	75.2	15.53	3.05	18.99	3.20	22.46	3.35	25.93	3.50	30.09	3.68	32.86	3.80	35.07	3.62
CTXS07L + CTXS07L + CTXS07L	60.8	15.93	1.98	19.14	2.08	22.35	2.18	25.55	2.28	29.40	2.40	31.97	2.48	35.17	2.59
	64.4	15.54	2.00	18.75	2.10	21.95	2.20	25.16	2.30	29.01	2.43	31.58	2.51	34.78	2.61
	68.0	15.15	2.02	18.36	2.12	21.56	2.22	24.77	2.33	28.62	2.45	31.18	2.53	34.39	2.63
	70.0	14.93	2.03	18.14	2.14	21.34	2.24	24.55	2.34	28.40	2.46	30.97	2.54	34.17	2.64
	71.6	14.76	2.04	17.96	2.15	21.17	2.25	24.38	2.35	28.23	2.47	30.79	2.55	34.00	2.65
	75.2	14.36	2.07	17.57	2.17	20.78	2.27	23.99	2.37	27.83	2.49	30.40	2.57	33.61	2.67
CTXS07L + CTXS07L + CTXS09H	60.8	16.38	2.06	19.68	2.16	22.98	2.27	26.27	2.37	30.23	2.50	32.87	2.59	36.17	2.69
	64.4	15.98	2.08	19.28	2.19	22.57	2.29	25.87	2.40	29.83	2.52	32.46	2.61	35.76	2.71
	68.0	15.58	2.10	18.87	2.21	22.17	2.32	25.47	2.42	29.42	2.55	32.06	2.63	35.36	2.74
	70.0	15.35	2.12	18.65	2.22	21.95	2.33	25.24	2.43	29.20	2.56	31.84	2.64	35.13	2.75
	71.6	15.17	2.13	18.47	2.23	21.77	2.34	25.06	2.44	29.02	2.57	31.66	2.65	34.96	2.76
	75.2	14.77	2.15	18.07	2.26	21.36	2.36	24.66	2.47	28.62	2.59	31.26	2.68	34.55	2.78

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FDXS09L	60.8	15.99	2.08	19.21	2.19	22.43	2.30	25.64	2.40	29.51	2.53	32.08	2.62	35.30	2.72
	64.4	15.60	2.11	18.81	2.21	22.03	2.32	25.25	2.43	29.11	2.55	31.69	2.64	34.90	2.75
	68.0	15.20	2.13	18.42	2.24	21.64	2.34	24.86	2.45	28.72	2.58	31.29	2.66	34.51	2.77
	70.0	14.98	2.14	18.20	2.25	21.42	2.36	24.64	2.46	28.50	2.59	31.07	2.68	34.29	2.78
	71.6	14.81	2.15	18.03	2.26	21.25	2.37	24.46	2.47	28.33	2.60	30.90	2.69	34.12	2.79
	75.2	14.42	2.18	17.63	2.28	20.85	2.39	24.07	2.50	27.93	2.62	30.51	2.71	33.72	2.82
CTXS07L + CTXS07L + CTXS12H	60.8	16.94	2.18	20.35	2.29	23.76	2.40	27.17	2.51	31.27	2.65	33.99	2.74	37.40	2.85
	64.4	16.53	2.20	19.94	2.31	23.35	2.43	26.76	2.54	30.85	2.67	33.58	2.76	36.99	2.87
	68.0	16.11	2.23	19.52	2.34	22.93	2.45	26.34	2.56	30.43	2.70	33.16	2.79	36.57	2.90
	70.0	15.88	2.24	19.29	2.35	22.70	2.46	26.11	2.58	30.20	2.71	32.93	2.80	36.34	2.91
	71.6	15.69	2.25	19.10	2.36	22.51	2.48	25.92	2.59	30.01	2.72	32.74	2.81	36.15	2.92
	75.2	15.28	2.28	18.69	2.39	22.10	2.50	25.51	2.61	29.60	2.75	32.33	2.83	35.74	2.95
CTXS07L + CTXS07L + FDXS12L	60.8	16.83	2.29	20.22	2.41	23.61	2.53	26.99	2.64	31.06	2.78	33.77	2.88	37.16	3.00
	64.4	16.42	2.32	19.80	2.43	23.19	2.55	26.58	2.67	30.64	2.81	33.35	2.90	36.74	3.02
	68.0	16.00	2.34	19.39	2.46	22.78	2.58	26.17	2.69	30.23	2.84	32.94	2.93	36.33	3.05
	70.0	15.77	2.36	19.16	2.47	22.55	2.59	25.93	2.71	30.00	2.85	32.71	2.94	36.10	3.06
	71.6	15.59	2.37	18.98	2.49	22.36	2.60	25.75	2.72	29.82	2.86	32.53	2.96	35.91	3.07
	75.2	15.17	2.39	18.56	2.51	21.95	2.63	25.34	2.75	29.40	2.89	32.11	2.98	35.50	3.10
CTXS07L + CTXS07L + FTXS15L	60.8	17.22	2.10	20.69	2.21	24.16	2.31	27.62	2.42	31.78	2.55	34.56	2.64	38.02	2.74
	64.4	16.80	2.12	20.27	2.23	23.73	2.34	27.20	2.44	31.36	2.57	34.13	2.66	37.60	2.77
	68.0	16.38	2.15	19.84	2.25	23.31	2.36	26.78	2.47	30.94	2.60	33.71	2.68	37.18	2.79
	70.0	16.14	2.16	19.61	2.27	23.07	2.37	26.54	2.48	30.70	2.61	33.47	2.70	36.94	2.80
	71.6	15.95	2.17	19.42	2.28	22.89	2.38	26.35	2.49	30.51	2.62	33.28	2.71	36.75	2.81
	75.2	15.53	2.19	18.99	2.30	22.46	2.41	25.93	2.51	30.09	2.64	32.86	2.73	36.33	2.84
CTXS07L + CTXS07L + CDXS15L	60.8	16.94	2.24	20.35	2.36	23.76	2.47	27.17	2.59	31.27	2.73	33.99	2.82	37.40	2.93
	64.4	16.53	2.27	19.94	2.38	23.35	2.50	26.76	2.61	30.85	2.75	33.58	2.84	36.99	2.96
	68.0	16.11	2.29	19.52	2.41	22.93	2.52	26.34	2.64	30.43	2.78	33.16	2.87	36.57	2.98
	70.0	15.88	2.31	19.29	2.42	22.70	2.54	26.11	2.65	30.20	2.79	32.93	2.88	36.34	3.00
	71.6	15.69	2.32	19.10	2.43	22.51	2.55	25.92	2.66	30.01	2.80	32.74	2.89	36.15	3.01
	75.2	15.28	2.34	18.69	2.46	22.10	2.57	25.51	2.69	29.60	2.83	32.33	2.92	35.74	3.03
CTXS07L + CTXS07L + FTXS18L	60.8	17.45	2.16	20.96	2.27	24.47	2.38	27.98	2.50	32.20	2.63	35.01	2.72	38.52	2.83
	64.4	17.02	2.19	20.53	2.30	24.04	2.41	27.55	2.52	31.77	2.65	34.58	2.74	38.09	2.85
	68.0	16.59	2.21	20.10	2.32	23.61	2.43	27.12	2.54	31.34	2.68	34.15	2.77	37.66	2.88
	70.0	16.35	2.22	19.86	2.34	23.37	2.45	26.89	2.56	31.10	2.69	33.91	2.78	37.42	2.89
	71.6	16.16	2.24	19.67	2.35	23.18	2.46	26.70	2.57	30.91	2.70	33.72	2.79	37.23	2.90
	75.2	15.73	2.26	19.24	2.37	22.75	2.48	26.27	2.59	30.48	2.73	33.29	2.81	36.80	2.92
CTXS07L + CTXS07L + CDXS18L	60.8	17.28	2.32	20.76	2.44	24.24	2.56	27.71	2.68	31.89	2.82	34.67	2.92	38.15	3.04
	64.4	16.85	2.35	20.33	2.47	23.81	2.59	27.29	2.71	31.46	2.85	34.24	2.94	37.72	3.06
	68.0	16.43	2.38	19.91	2.49	23.38	2.61	26.86	2.73	31.04	2.88	33.82	2.97	37.30	3.09
	70.0	16.19	2.39	19.67	2.51	23.15	2.63	26.63	2.75	30.80	2.89	33.58	2.99	37.06	3.10
	71.6	16.00	2.40	19.48	2.52	22.96	2.64	26.44	2.76	30.61	2.90	33.39	3.00	36.87	3.12
	75.2	15.58	2.43	19.06	2.55	22.53	2.67	26.01	2.78	30.19	2.93	32.97	3.02	36.45	3.14
CTXS07L + CTXS09H + CTXS09H	60.8	16.83	2.18	20.22	2.29	23.61	2.40	26.99	2.51	31.06	2.65	33.77	2.74	37.16	2.85
	64.4	16.42	2.20	19.80	2.31	23.19	2.43	26.58	2.54	30.64	2.67	33.35	2.76	36.74	2.87
	68.0	16.00	2.23	19.39	2.34	22.78	2.45	26.17	2.56	30.23	2.70	32.94	2.79	36.33	2.90
	70.0	15.77	2.24	19.16	2.35	22.55	2.46	25.93	2.58	30.00	2.71	32.71	2.80	36.10	2.91
	71.6	15.59	2.25	18.98	2.36	22.36	2.48	25.75	2.59	29.82	2.72	32.53	2.81	35.91	2.92
	75.2	15.17	2.28	18.56	2.39	21.95	2.50	25.34	2.61	29.40	2.75	32.11	2.83	35.50	2.95

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + FDXS09L	60.8	16.83	2.29	20.22	2.41	23.61	2.53	26.99	2.64	31.06	2.78	33.77	2.88	37.16	3.00
	64.4	16.42	2.32	19.80	2.43	23.19	2.55	26.58	2.67	30.64	2.81	33.35	2.90	36.74	3.02
	68.0	16.00	2.34	19.39	2.46	22.78	2.58	26.17	2.69	30.23	2.84	32.94	2.93	36.33	3.05
	70.0	15.77	2.36	19.16	2.47	22.55	2.59	25.93	2.71	30.00	2.85	32.71	2.94	36.10	3.06
	71.6	15.59	2.37	18.98	2.49	22.36	2.60	25.75	2.72	29.82	2.86	32.53	2.96	35.91	3.07
	75.2	15.17	2.39	18.56	2.51	21.95	2.63	25.34	2.75	29.40	2.89	32.11	2.98	35.50	3.10
CTXS07L + FDXS09L + FDXS09L	60.8	16.55	2.37	19.88	2.49	23.21	2.61	26.54	2.74	30.54	2.88	33.21	2.98	36.54	3.10
	64.4	16.14	2.40	19.47	2.52	22.81	2.64	26.14	2.76	30.13	2.91	32.80	3.01	36.13	3.13
	68.0	15.74	2.43	19.07	2.55	22.40	2.67	25.73	2.79	29.73	2.94	32.39	3.03	35.72	3.15
	70.0	15.51	2.44	18.84	2.56	22.17	2.68	25.50	2.80	29.50	2.95	32.16	3.05	35.50	3.17
	71.6	15.33	2.45	18.66	2.57	21.99	2.69	25.32	2.82	29.32	2.96	31.98	3.06	35.31	3.18
	75.2	14.92	2.48	18.25	2.60	21.58	2.72	24.91	2.84	28.91	2.99	31.58	3.09	34.91	3.21
CTXS07L + CTXS09H + CTXS12H	60.8	17.06	2.22	20.49	2.33	23.92	2.45	27.35	2.56	31.47	2.70	34.22	2.79	37.65	2.90
	64.4	16.64	2.24	20.07	2.36	23.50	2.47	26.93	2.58	31.05	2.72	33.80	2.81	37.23	2.93
	68.0	16.22	2.27	19.65	2.38	23.08	2.50	26.51	2.61	30.63	2.75	33.38	2.84	36.81	2.95
	70.0	15.98	2.28	19.42	2.40	22.85	2.51	26.28	2.62	30.40	2.76	33.15	2.85	36.58	2.96
	71.6	15.80	2.29	19.23	2.41	22.66	2.52	26.09	2.63	30.21	2.77	32.96	2.86	36.39	2.98
	75.2	15.38	2.32	18.81	2.43	22.24	2.55	25.67	2.66	29.79	2.80	32.54	2.89	35.97	3.00
CTXS07L + CTXS09H + FDXS12L	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS07L + FDXS09L + CTXS12H	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS07L + FDXS09L + FDXS12L	60.8	16.72	2.42	20.08	2.54	23.45	2.67	26.81	2.79	30.85	2.94	33.54	3.04	36.91	3.16
	64.4	16.31	2.45	19.67	2.57	23.04	2.70	26.40	2.82	30.44	2.97	33.13	3.07	36.50	3.19
	68.0	15.90	2.47	19.26	2.60	22.63	2.72	25.99	2.85	30.03	2.99	32.72	3.09	36.09	3.22
	70.0	15.67	2.49	19.03	2.61	22.40	2.74	25.76	2.86	29.80	3.01	32.49	3.11	35.86	3.23
	71.6	15.48	2.50	18.85	2.63	22.21	2.75	25.58	2.87	29.62	3.02	32.31	3.12	35.67	3.25
	75.2	15.07	2.53	18.44	2.65	21.80	2.78	25.17	2.90	29.21	3.05	31.90	3.15	35.26	3.27
CTXS07L + CTXS09H + FTXS15L	60.8	17.34	2.14	20.82	2.25	24.31	2.36	27.80	2.47	31.99	2.60	34.78	2.69	38.27	2.80
	64.4	16.91	2.16	20.40	2.27	23.89	2.38	27.38	2.49	31.56	2.62	34.36	2.71	37.84	2.82
	68.0	16.48	2.19	19.97	2.30	23.46	2.41	26.95	2.52	31.14	2.65	33.93	2.73	37.42	2.84
	70.0	16.25	2.20	19.73	2.31	23.22	2.42	26.71	2.53	30.90	2.66	33.69	2.75	37.18	2.86
	71.6	16.06	2.21	19.55	2.32	23.03	2.43	26.52	2.54	30.71	2.67	33.50	2.76	36.99	2.87
	75.2	15.63	2.23	19.12	2.34	22.61	2.45	26.10	2.56	30.28	2.69	33.08	2.78	36.56	2.89
CTXS07L + CTXS09H + CDXS15L	60.8	17.06	2.28	20.49	2.40	23.92	2.52	27.35	2.63	31.47	2.77	34.22	2.87	37.65	2.99
	64.4	16.64	2.31	20.07	2.43	23.50	2.54	26.93	2.66	31.05	2.80	33.80	2.89	37.23	3.01
	68.0	16.22	2.33	19.65	2.45	23.08	2.57	26.51	2.69	30.63	2.83	33.38	2.92	36.81	3.04
	70.0	15.98	2.35	19.42	2.47	22.85	2.58	26.28	2.70	30.40	2.84	33.15	2.93	36.58	3.05
	71.6	15.80	2.36	19.23	2.48	22.66	2.59	26.09	2.71	30.21	2.85	32.96	2.94	36.39	3.06
	75.2	15.38	2.39	18.81	2.50	22.24	2.62	25.67	2.74	29.79	2.88	32.54	2.97	35.97	3.09

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FTXS15L	60.8	17.06	2.19	20.49	2.31	23.92	2.42	27.35	2.53	31.47	2.67	34.22	2.76	37.65	2.87
	64.4	16.64	2.22	20.07	2.33	23.50	2.44	26.93	2.56	31.05	2.69	33.80	2.78	37.23	2.89
	68.0	16.22	2.24	19.65	2.36	23.08	2.47	26.51	2.58	30.63	2.72	33.38	2.81	36.81	2.92
	70.0	15.98	2.26	19.42	2.37	22.85	2.48	26.28	2.60	30.40	2.73	33.15	2.82	36.58	2.93
	71.6	15.80	2.27	19.23	2.38	22.66	2.49	26.09	2.61	30.21	2.74	32.96	2.83	36.39	2.94
	75.2	15.38	2.29	18.81	2.41	22.24	2.52	25.67	2.63	29.79	2.77	32.54	2.86	35.97	2.97
CTXS07L + FDXS09L + CDXS15L	60.8	16.83	2.35	20.22	2.47	23.61	2.59	26.99	2.71	31.06	2.85	33.77	2.95	37.16	3.07
	64.4	16.42	2.37	19.80	2.49	23.19	2.61	26.58	2.73	30.64	2.88	33.35	2.98	36.74	3.10
	68.0	16.00	2.40	19.39	2.52	22.78	2.64	26.17	2.76	30.23	2.91	32.94	3.00	36.33	3.12
	70.0	15.77	2.41	19.16	2.54	22.55	2.66	25.93	2.78	30.00	2.92	32.71	3.02	36.10	3.14
	71.6	15.59	2.43	18.98	2.55	22.36	2.67	25.75	2.79	29.82	2.93	32.53	3.03	35.91	3.15
	75.2	15.17	2.45	18.56	2.57	21.95	2.69	25.34	2.81	29.40	2.96	32.11	3.05	35.50	3.17
CTXS07L + CTXS09H + FTXS18L	60.8	17.56	2.16	21.09	2.27	24.63	2.38	28.16	2.50	32.40	2.63	35.23	2.72	38.77	2.83
	64.4	17.13	2.19	20.66	2.30	24.20	2.41	27.73	2.52	31.97	2.65	34.80	2.74	38.33	2.85
	68.0	16.70	2.21	20.23	2.32	23.76	2.43	27.30	2.54	31.54	2.68	34.37	2.77	37.90	2.88
	70.0	16.46	2.22	19.99	2.34	23.52	2.45	27.06	2.56	31.30	2.69	34.13	2.78	37.66	2.89
	71.6	16.26	2.24	19.80	2.35	23.33	2.46	26.87	2.57	31.11	2.70	33.94	2.79	37.47	2.90
	75.2	15.83	2.26	19.37	2.37	22.90	2.48	26.43	2.59	30.68	2.73	33.50	2.81	37.04	2.92
CTXS07L + CTXS09H + CDXS18L	60.8	17.22	2.32	20.69	2.44	24.16	2.56	27.62	2.68	31.78	2.82	34.56	2.92	38.02	3.04
	64.4	16.80	2.35	20.27	2.47	23.73	2.59	27.20	2.71	31.36	2.85	34.13	2.94	37.60	3.06
	68.0	16.38	2.38	19.84	2.49	23.31	2.61	26.78	2.73	30.94	2.88	33.71	2.97	37.18	3.09
	70.0	16.14	2.39	19.61	2.51	23.07	2.63	26.54	2.75	30.70	2.89	33.47	2.99	36.94	3.10
	71.6	15.95	2.40	19.42	2.52	22.89	2.64	26.35	2.76	30.51	2.90	33.28	3.00	36.75	3.12
	75.2	15.53	2.43	18.99	2.55	22.46	2.67	25.93	2.78	30.09	2.93	32.86	3.02	36.33	3.14
CTXS07L + FDXS09L + FTXS18L	60.8	17.22	2.21	20.69	2.32	24.16	2.44	27.62	2.55	31.78	2.69	34.56	2.78	38.02	2.89
	64.4	16.80	2.24	20.27	2.35	23.73	2.46	27.20	2.58	31.36	2.71	34.13	2.80	37.60	2.92
	68.0	16.38	2.26	19.84	2.37	23.31	2.49	26.78	2.60	30.94	2.74	33.71	2.83	37.18	2.94
	70.0	16.14	2.27	19.61	2.39	23.07	2.50	26.54	2.61	30.70	2.75	33.47	2.84	36.94	2.95
	71.6	15.95	2.29	19.42	2.40	22.89	2.51	26.35	2.63	30.51	2.76	33.28	2.85	36.75	2.96
	75.2	15.53	2.31	18.99	2.42	22.46	2.54	25.93	2.65	30.09	2.79	32.86	2.88	36.33	2.99
CTXS07L + FDXS09L + CDXS18L	60.8	17.00	2.39	20.42	2.51	23.84	2.63	27.26	2.75	31.37	2.90	34.11	3.00	37.53	3.12
	64.4	16.58	2.41	20.00	2.54	23.42	2.66	26.85	2.78	30.95	2.93	33.69	3.03	37.11	3.15
	68.0	16.16	2.44	19.58	2.56	23.01	2.69	26.43	2.81	30.53	2.96	33.27	3.05	36.69	3.18
	70.0	15.93	2.46	19.35	2.58	22.77	2.70	26.19	2.82	30.30	2.97	33.04	3.07	36.46	3.19
	71.6	15.74	2.47	19.17	2.59	22.59	2.71	26.01	2.84	30.11	2.98	32.85	3.08	36.27	3.20
	75.2	15.33	2.49	18.75	2.62	22.17	2.74	25.59	2.86	29.70	3.01	32.43	3.11	35.85	3.23
CTXS07L + CTXS12H + CTXS12H	60.8	17.22	2.26	20.69	2.38	24.16	2.49	27.62	2.61	31.78	2.75	34.56	2.84	38.02	2.95
	64.4	16.80	2.28	20.27	2.40	23.73	2.52	27.20	2.63	31.36	2.77	34.13	2.86	37.60	2.98
	68.0	16.38	2.31	19.84	2.43	23.31	2.54	26.78	2.66	30.94	2.80	33.71	2.89	37.18	3.00
	70.0	16.14	2.32	19.61	2.44	23.07	2.56	26.54	2.67	30.70	2.81	33.47	2.90	36.94	3.02
	71.6	15.95	2.34	19.42	2.45	22.89	2.57	26.35	2.68	30.51	2.82	33.28	2.91	36.75	3.03
	75.2	15.53	2.36	18.99	2.48	22.46	2.59	25.93	2.71	30.09	2.85	32.86	2.94	36.33	3.05
CTXS07L + CTXS12H + FDXS12L	60.8	17.00	2.33	20.42	2.45	23.84	2.57	27.26	2.69	31.37	2.83	34.11	2.93	37.53	3.05
	64.4	16.58	2.36	20.00	2.48	23.42	2.60	26.85	2.72	30.95	2.86	33.69	2.95	37.11	3.07
	68.0	16.16	2.38	19.58	2.50	23.01	2.62	26.43	2.74	30.53	2.89	33.27	2.98	36.69	3.10
	70.0	15.93	2.40	19.35	2.52	22.77	2.64	26.19	2.76	30.30	2.90	33.04	3.00	36.46	3.11
	71.6	15.74	2.41	19.17	2.53	22.59	2.65	26.01	2.77	30.11	2.91	32.85	3.01	36.27	3.13
	75.2	15.33	2.44	18.75	2.56	22.17	2.68	25.59	2.79	29.70	2.94	32.43	3.03	35.85	3.15

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + FDXS12L	60.8	16.83	2.46	20.22	2.59	23.61	2.71	26.99	2.84	31.06	2.99	33.77	3.09	37.16	3.22
	64.4	16.42	2.49	19.80	2.61	23.19	2.74	26.58	2.87	30.64	3.02	33.35	3.12	36.74	3.24
	68.0	16.00	2.52	19.39	2.64	22.78	2.77	26.17	2.89	30.23	3.04	32.94	3.15	36.33	3.27
	70.0	15.77	2.53	19.16	2.66	22.55	2.78	25.93	2.91	30.00	3.06	32.71	3.16	36.10	3.29
	71.6	15.59	2.54	18.98	2.67	22.36	2.80	25.75	2.92	29.82	3.07	32.53	3.17	35.91	3.30
	75.2	15.17	2.57	18.56	2.70	21.95	2.82	25.34	2.95	29.40	3.10	32.11	3.20	35.50	3.33
CTXS07L + CTXS12H + FTXS15L	60.8	17.56	2.18	21.09	2.29	24.63	2.40	28.16	2.51	32.40	2.65	35.23	2.74	38.77	2.85
	64.4	17.13	2.20	20.66	2.31	24.20	2.43	27.73	2.54	31.97	2.67	34.80	2.76	38.33	2.87
	68.0	16.70	2.23	20.23	2.34	23.76	2.45	27.30	2.56	31.54	2.70	34.37	2.79	37.90	2.90
	70.0	16.46	2.24	19.99	2.35	23.52	2.46	27.06	2.58	31.30	2.71	34.13	2.80	37.66	2.91
	71.6	16.26	2.25	19.80	2.36	23.33	2.48	26.87	2.59	31.11	2.72	33.94	2.81	37.47	2.92
	75.2	15.83	2.28	19.37	2.39	22.90	2.50	26.43	2.61	30.68	2.75	33.50	2.83	37.04	2.95
CTXS07L + CTXS12H + CDXS15L	60.8	17.22	2.32	20.69	2.44	24.16	2.56	27.62	2.68	31.78	2.82	34.56	2.92	38.02	3.04
	64.4	16.80	2.35	20.27	2.47	23.73	2.59	27.20	2.71	31.36	2.85	34.13	2.94	37.60	3.06
	68.0	16.38	2.38	19.84	2.49	23.31	2.61	26.78	2.73	30.94	2.88	33.71	2.97	37.18	3.09
	70.0	16.14	2.39	19.61	2.51	23.07	2.63	26.54	2.75	30.70	2.89	33.47	2.99	36.94	3.10
	71.6	15.95	2.40	19.42	2.52	22.89	2.64	26.35	2.76	30.51	2.90	33.28	3.00	36.75	3.12
	75.2	15.53	2.43	18.99	2.55	22.46	2.67	25.93	2.78	30.09	2.93	32.86	3.02	36.33	3.14
CTXS07L + FDXS12L + FTXS15L	60.8	17.22	2.24	20.69	2.35	24.16	2.46	27.62	2.58	31.78	2.72	34.56	2.81	38.02	2.92
	64.4	16.80	2.26	20.27	2.37	23.73	2.49	27.20	2.60	31.36	2.74	34.13	2.83	37.60	2.95
	68.0	16.38	2.29	19.84	2.40	23.31	2.51	26.78	2.63	30.94	2.77	33.71	2.86	37.18	2.97
	70.0	16.14	2.30	19.61	2.41	23.07	2.53	26.54	2.64	30.70	2.78	33.47	2.87	36.94	2.99
	71.6	15.95	2.31	19.42	2.42	22.89	2.54	26.35	2.65	30.51	2.79	33.28	2.88	36.75	3.00
	75.2	15.53	2.34	18.99	2.45	22.46	2.56	25.93	2.68	30.09	2.82	32.86	2.91	36.33	3.02
CTXS07L + FDXS12L + CDXS15L	60.8	17.00	2.39	20.42	2.51	23.84	2.63	27.26	2.75	31.37	2.90	34.11	3.00	37.53	3.12
	64.4	16.58	2.41	20.00	2.54	23.42	2.66	26.85	2.78	30.95	2.93	33.69	3.03	37.11	3.15
	68.0	16.16	2.44	19.58	2.56	23.01	2.69	26.43	2.81	30.53	2.96	33.27	3.05	36.69	3.18
	70.0	15.93	2.46	19.35	2.58	22.77	2.70	26.19	2.82	30.30	2.97	33.04	3.07	36.46	3.19
	71.6	15.74	2.47	19.17	2.59	22.59	2.71	26.01	2.84	30.11	2.98	32.85	3.08	36.27	3.20
	75.2	15.33	2.49	18.75	2.62	22.17	2.74	25.59	2.86	29.70	3.01	32.43	3.11	35.85	3.23
CTXS07L + CTXS12H + FTXS18L	60.8	17.73	2.20	21.30	2.32	24.86	2.43	28.43	2.54	32.72	2.68	35.57	2.77	39.14	2.88
	64.4	17.29	2.23	20.86	2.34	24.43	2.45	28.00	2.57	32.28	2.70	35.13	2.79	38.70	2.90
	68.0	16.86	2.25	20.42	2.37	23.99	2.48	27.56	2.59	31.84	2.73	34.70	2.82	38.27	2.93
	70.0	16.61	2.27	20.18	2.38	23.75	2.49	27.32	2.60	31.60	2.74	34.45	2.83	38.02	2.94
	71.6	16.42	2.28	19.99	2.39	23.56	2.50	27.12	2.62	31.41	2.75	34.26	2.84	37.83	2.95
	75.2	15.98	2.30	19.55	2.41	23.12	2.53	26.69	2.64	30.97	2.78	33.82	2.87	37.39	2.98
CTXS07L + CTXS12H + CDXS18L	60.8	17.56	2.40	21.09	2.53	24.63	2.65	28.16	2.77	32.40	2.92	35.23	3.02	38.77	3.14
	64.4	17.13	2.43	20.66	2.55	24.20	2.68	27.73	2.80	31.97	2.95	34.80	3.05	38.33	3.17
	68.0	16.70	2.46	20.23	2.58	23.76	2.70	27.30	2.83	31.54	2.98	34.37	3.07	37.90	3.20
	70.0	16.46	2.47	19.99	2.60	23.52	2.72	27.06	2.84	31.30	2.99	34.13	3.09	37.66	3.21
	71.6	16.26	2.48	19.80	2.61	23.33	2.73	26.87	2.85	31.11	3.00	33.94	3.10	37.47	3.22
	75.2	15.83	2.51	19.37	2.63	22.90	2.76	26.43	2.88	30.68	3.03	33.50	3.13	37.04	3.25
CTXS07L + FDXS12L + FTXS18L	60.8	17.56	2.29	21.09	2.41	24.63	2.53	28.16	2.64	32.40	2.78	35.23	2.88	38.77	3.00
	64.4	17.13	2.32	20.66	2.43	24.20	2.55	27.73	2.67	31.97	2.81	34.80	2.90	38.33	3.02
	68.0	16.70	2.34	20.23	2.46	23.76	2.58	27.30	2.69	31.54	2.84	34.37	2.93	37.90	3.05
	70.0	16.46	2.36	19.99	2.47	23.52	2.59	27.06	2.71	31.30	2.85	34.13	2.94	37.66	3.06
	71.6	16.26	2.37	19.80	2.49	23.33	2.60	26.87	2.72	31.11	2.86	33.94	2.96	37.47	3.07
	75.2	15.83	2.39	19.37	2.51	22.90	2.63	26.43	2.75	30.68	2.89	33.50	2.98	37.04	3.10



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + CDXS18L	60.8	17.34	2.48	20.82	2.60	24.31	2.73	27.80	2.86	31.99	3.01	34.78	3.11	38.27	3.24
	64.4	16.91	2.50	20.40	2.63	23.89	2.76	27.38	2.88	31.56	3.04	34.36	3.14	37.84	3.27
	68.0	16.48	2.53	19.97	2.66	23.46	2.79	26.95	2.91	31.14	3.06	33.93	3.17	37.42	3.29
	70.0	16.25	2.55	19.73	2.67	23.22	2.80	26.71	2.93	30.90	3.08	33.69	3.18	37.18	3.31
	71.6	16.06	2.56	19.55	2.69	23.03	2.81	26.52	2.94	30.71	3.09	33.50	3.19	36.99	3.32
	75.2	15.63	2.59	19.12	2.71	22.61	2.84	26.10	2.97	30.28	3.12	33.08	3.22	36.56	3.35
CTXS07L + FTXS15L + FTXS15L	60.8	17.84	2.15	21.43	2.27	25.02	2.38	28.61	2.49	32.92	2.62	35.79	2.71	39.39	2.82
	64.4	17.40	2.18	20.99	2.29	24.58	2.40	28.17	2.51	32.48	2.64	35.36	2.73	38.95	2.84
	68.0	16.96	2.20	20.55	2.31	24.14	2.42	27.73	2.53	32.04	2.67	34.92	2.75	38.51	2.87
	70.0	16.72	2.22	20.31	2.33	23.90	2.44	27.49	2.55	31.80	2.68	34.67	2.77	38.26	2.88
	71.6	16.52	2.23	20.11	2.34	23.71	2.45	27.30	2.56	31.60	2.69	34.48	2.78	38.07	2.89
	75.2	16.08	2.25	19.68	2.36	23.27	2.47	26.86	2.58	31.17	2.71	34.04	2.80	37.63	2.91
CTXS07L + FTXS15L + CDXS15L	60.8	17.62	2.26	21.16	2.38	24.71	2.49	28.25	2.61	32.51	2.75	35.34	2.84	38.89	2.95
	64.4	17.18	2.28	20.73	2.40	24.27	2.52	27.82	2.63	32.07	2.77	34.91	2.86	38.46	2.98
	68.0	16.75	2.31	20.29	2.43	23.84	2.54	27.39	2.66	31.64	2.80	34.48	2.89	38.02	3.00
	70.0	16.51	2.32	20.05	2.44	23.60	2.56	27.15	2.67	31.40	2.81	34.24	2.90	37.78	3.02
	71.6	16.32	2.34	19.86	2.45	23.41	2.57	26.95	2.68	31.21	2.82	34.04	2.91	37.59	3.03
	75.2	15.88	2.36	19.43	2.48	22.97	2.59	26.52	2.71	30.77	2.85	33.61	2.94	37.16	3.05
CTXS07L + CDXS15L + CDXS15L	60.8	17.39	2.43	20.89	2.55	24.39	2.68	27.89	2.80	32.09	2.95	34.89	3.05	38.39	3.17
	64.4	16.96	2.46	20.46	2.58	23.96	2.70	27.47	2.83	31.67	2.98	34.47	3.08	37.97	3.20
	68.0	16.54	2.48	20.04	2.61	23.54	2.73	27.04	2.86	31.24	3.00	34.04	3.10	37.54	3.23
	70.0	16.30	2.50	19.80	2.62	23.30	2.75	26.80	2.87	31.00	3.02	33.80	3.12	37.30	3.24
	71.6	16.11	2.51	19.61	2.63	23.11	2.76	26.61	2.88	30.81	3.03	33.61	3.13	37.11	3.26
	75.2	15.68	2.54	19.18	2.66	22.68	2.79	26.18	2.91	30.38	3.06	33.18	3.16	36.68	3.28
CTXS09H + CTXS09H + CTXS09H	60.8	16.94	2.18	20.35	2.29	23.76	2.40	27.17	2.51	31.27	2.65	33.99	2.74	37.40	2.85
	64.4	16.53	2.20	19.94	2.31	23.35	2.43	26.76	2.54	30.85	2.67	33.58	2.76	36.99	2.87
	68.0	16.11	2.23	19.52	2.34	22.93	2.45	26.34	2.56	30.43	2.70	33.16	2.79	36.57	2.90
	70.0	15.88	2.24	19.29	2.35	22.70	2.46	26.11	2.58	30.20	2.71	32.93	2.80	36.34	2.91
	71.6	15.69	2.25	19.10	2.36	22.51	2.48	25.92	2.59	30.01	2.72	32.74	2.81	36.15	2.92
	75.2	15.28	2.28	18.69	2.39	22.10	2.50	25.51	2.61	29.60	2.75	32.33	2.83	35.74	2.95
CTXS09H + CTXS09H + FDXS09L	60.8	16.83	2.29	20.22	2.41	23.61	2.53	26.99	2.64	31.06	2.78	33.77	2.88	37.16	3.00
	64.4	16.42	2.32	19.80	2.43	23.19	2.55	26.58	2.67	30.64	2.81	33.35	2.90	36.74	3.02
	68.0	16.00	2.34	19.39	2.46	22.78	2.58	26.17	2.69	30.23	2.84	32.94	2.93	36.33	3.05
	70.0	15.77	2.36	19.16	2.47	22.55	2.59	25.93	2.71	30.00	2.85	32.71	2.94	36.10	3.06
	71.6	15.59	2.37	18.98	2.49	22.36	2.60	25.75	2.72	29.82	2.86	32.53	2.96	35.91	3.07
	75.2	15.17	2.39	18.56	2.51	21.95	2.63	25.34	2.75	29.40	2.89	32.11	2.98	35.50	3.10
CTXS09H + FDXS09L + FDXS09L	60.8	16.66	2.42	20.02	2.54	23.37	2.67	26.72	2.79	30.75	2.94	33.43	3.04	36.78	3.16
	64.4	16.25	2.45	19.61	2.57	22.96	2.70	26.31	2.82	30.34	2.97	33.02	3.07	36.37	3.19
	68.0	15.84	2.47	19.20	2.60	22.55	2.72	25.90	2.85	29.93	2.99	32.61	3.09	35.96	3.22
	70.0	15.61	2.49	18.97	2.61	22.32	2.74	25.68	2.86	29.70	3.01	32.38	3.11	35.74	3.23
	71.6	15.43	2.50	18.79	2.63	22.14	2.75	25.49	2.87	29.52	3.02	32.20	3.12	35.55	3.25
	75.2	15.02	2.53	18.38	2.65	21.73	2.78	25.08	2.90	29.11	3.05	31.79	3.15	35.14	3.27
FDXS09L + FDXS09L + FDXS09L	60.8	16.38	2.52	19.68	2.65	22.98	2.77	26.27	2.90	30.23	3.06	32.87	3.16	36.17	3.29
	64.4	15.98	2.54	19.28	2.67	22.57	2.80	25.87	2.93	29.83	3.09	32.46	3.19	35.76	3.32
	68.0	15.58	2.57	18.87	2.70	22.17	2.83	25.47	2.96	29.42	3.11	32.06	3.22	35.36	3.35
	70.0	15.35	2.59	18.65	2.72	21.95	2.85	25.24	2.98	29.20	3.13	31.84	3.23	35.13	3.36
	71.6	15.17	2.60	18.47	2.73	21.77	2.86	25.06	2.99	29.02	3.14	31.66	3.25	34.96	3.37
	75.2	14.77	2.63	18.07	2.76	21.36	2.89	24.66	3.02	28.62	3.17	31.26	3.27	34.55	3.40

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + CTXS12H	60.8	17.11	2.26	20.56	2.38	24.00	2.49	27.44	2.61	31.58	2.75	34.33	2.84	37.78	2.95
	64.4	16.69	2.28	20.13	2.40	23.58	2.52	27.02	2.63	31.16	2.77	33.91	2.86	37.35	2.98
	68.0	16.27	2.31	19.71	2.43	23.16	2.54	26.60	2.66	30.73	2.80	33.49	2.89	36.93	3.00
	70.0	16.04	2.32	19.48	2.44	22.92	2.56	26.37	2.67	30.50	2.81	33.26	2.90	36.70	3.02
	71.6	15.85	2.34	19.29	2.45	22.74	2.57	26.18	2.68	30.31	2.82	33.07	2.91	36.51	3.03
	75.2	15.43	2.36	18.87	2.48	22.31	2.59	25.76	2.71	29.89	2.85	32.65	2.94	36.09	3.05
CTXS09H + CTXS09H + FDXS12L	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS09H + FDXS09L + CTXS12H	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS09H + FDXS09L + FDXS12L	60.8	16.83	2.46	20.22	2.59	23.61	2.71	26.99	2.84	31.06	2.99	33.77	3.09	37.16	3.22
	64.4	16.42	2.49	19.80	2.61	23.19	2.74	26.58	2.87	30.64	3.02	33.35	3.12	36.74	3.24
	68.0	16.00	2.52	19.39	2.64	22.78	2.77	26.17	2.89	30.23	3.04	32.94	3.15	36.33	3.27
	70.0	15.77	2.53	19.16	2.66	22.55	2.78	25.93	2.91	30.00	3.06	32.71	3.16	36.10	3.29
	71.6	15.59	2.54	18.98	2.67	22.36	2.80	25.75	2.92	29.82	3.07	32.53	3.17	35.91	3.30
	75.2	15.17	2.57	18.56	2.70	21.95	2.82	25.34	2.95	29.40	3.10	32.11	3.20	35.50	3.33
FDXS09L + FDXS09L + CTXS12H	60.8	16.83	2.46	20.22	2.59	23.61	2.71	26.99	2.84	31.06	2.99	33.77	3.09	37.16	3.22
	64.4	16.42	2.49	19.80	2.61	23.19	2.74	26.58	2.87	30.64	3.02	33.35	3.12	36.74	3.24
	68.0	16.00	2.52	19.39	2.64	22.78	2.77	26.17	2.89	30.23	3.04	32.94	3.15	36.33	3.27
	70.0	15.77	2.53	19.16	2.66	22.55	2.78	25.93	2.91	30.00	3.06	32.71	3.16	36.10	3.29
	71.6	15.59	2.54	18.98	2.67	22.36	2.80	25.75	2.92	29.82	3.07	32.53	3.17	35.91	3.30
	75.2	15.17	2.57	18.56	2.70	21.95	2.82	25.34	2.95	29.40	3.10	32.11	3.20	35.50	3.33
FDXS09L + FDXS09L + FDXS12L	60.8	16.66	2.61	20.02	2.74	23.37	2.87	26.72	3.01	30.75	3.17	33.43	3.27	36.78	3.41
	64.4	16.25	2.63	19.61	2.77	22.96	2.90	26.31	3.03	30.34	3.19	33.02	3.30	36.37	3.43
	68.0	15.84	2.66	19.20	2.80	22.55	2.93	25.90	3.06	29.93	3.22	32.61	3.33	35.96	3.46
	70.0	15.61	2.68	18.97	2.81	22.32	2.95	25.68	3.08	29.70	3.24	32.38	3.35	35.74	3.48
	71.6	15.43	2.69	18.79	2.83	22.14	2.96	25.49	3.09	29.52	3.25	32.20	3.36	35.55	3.49
	75.2	15.02	2.72	18.38	2.86	21.73	2.99	25.08	3.12	29.11	3.28	31.79	3.39	35.14	3.52
CTXS09H + CTXS09H + FTXS15L	60.8	17.45	2.18	20.96	2.29	24.47	2.40	27.98	2.51	32.20	2.65	35.01	2.74	38.52	2.85
	64.4	17.02	2.20	20.53	2.31	24.04	2.43	27.55	2.54	31.77	2.67	34.58	2.76	38.09	2.87
	68.0	16.59	2.23	20.10	2.34	23.61	2.45	27.12	2.56	31.34	2.70	34.15	2.79	37.66	2.90
	70.0	16.35	2.24	19.86	2.35	23.37	2.46	26.89	2.58	31.10	2.71	33.91	2.80	37.42	2.91
	71.6	16.16	2.25	19.67	2.36	23.18	2.48	26.70	2.59	30.91	2.72	33.72	2.81	37.23	2.92
	75.2	15.73	2.28	19.24	2.39	22.75	2.50	26.27	2.61	30.48	2.75	33.29	2.83	36.80	2.95
CTXS09H + CTXS09H + CDXS15L	60.8	17.17	2.32	20.62	2.44	24.08	2.56	27.53	2.68	31.68	2.82	34.44	2.92	37.90	3.04
	64.4	16.74	2.35	20.20	2.47	23.66	2.59	27.11	2.71	31.26	2.85	34.02	2.94	37.48	3.06
	68.0	16.32	2.38	19.78	2.49	23.23	2.61	26.69	2.73	30.83	2.88	33.60	2.97	37.05	3.09
	70.0	16.09	2.39	19.54	2.51	23.00	2.63	26.45	2.75	30.60	2.89	33.36	2.99	36.82	3.10
	71.6	15.90	2.40	19.36	2.52	22.81	2.64	26.27	2.76	30.41	2.90	33.18	3.00	36.63	3.12
	75.2	15.48	2.43	18.93	2.55	22.39	2.67	25.84	2.78	29.99	2.93	32.75	3.02	36.21	3.14

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FDXS09L + FTXS15L	60.8	17.17	2.19	20.62	2.31	24.08	2.42	27.53	2.53	31.68	2.67	34.44	2.76	37.90	2.87
	64.4	16.74	2.22	20.20	2.33	23.66	2.44	27.11	2.56	31.26	2.69	34.02	2.78	37.48	2.89
	68.0	16.32	2.24	19.78	2.36	23.23	2.47	26.69	2.58	30.83	2.72	33.60	2.81	37.05	2.92
	70.0	16.09	2.26	19.54	2.37	23.00	2.48	26.45	2.60	30.60	2.73	33.36	2.82	36.82	2.93
	71.6	15.90	2.27	19.36	2.38	22.81	2.49	26.27	2.61	30.41	2.74	33.18	2.83	36.63	2.94
	75.2	15.48	2.29	18.93	2.41	22.39	2.52	25.84	2.63	29.99	2.77	32.75	2.86	36.21	2.97
CTXS09H + FDXS09L + CDXS15L	60.8	16.94	2.39	20.35	2.51	23.76	2.63	27.17	2.75	31.27	2.90	33.99	3.00	37.40	3.12
	64.4	16.53	2.41	19.94	2.54	23.35	2.66	26.76	2.78	30.85	2.93	33.58	3.03	36.99	3.15
	68.0	16.11	2.44	19.52	2.56	22.93	2.69	26.34	2.81	30.43	2.96	33.16	3.05	36.57	3.18
	70.0	15.88	2.46	19.29	2.58	22.70	2.70	26.11	2.82	30.20	2.97	32.93	3.07	36.34	3.19
	71.6	15.69	2.47	19.10	2.59	22.51	2.71	25.92	2.84	30.01	2.98	32.74	3.08	36.15	3.20
	75.2	15.28	2.49	18.69	2.62	22.10	2.74	25.51	2.86	29.60	3.01	32.33	3.11	35.74	3.23
FDXS09L + FDXS09L + FTXS15L	60.8	16.94	2.29	20.35	2.41	23.76	2.53	27.17	2.64	31.27	2.78	33.99	2.88	37.40	3.00
	64.4	16.53	2.32	19.94	2.43	23.35	2.55	26.76	2.67	30.85	2.81	33.58	2.90	36.99	3.02
	68.0	16.11	2.34	19.52	2.46	22.93	2.58	26.34	2.69	30.43	2.84	33.16	2.93	36.57	3.05
	70.0	15.88	2.36	19.29	2.47	22.70	2.59	26.11	2.71	30.20	2.85	32.93	2.94	36.34	3.06
	71.6	15.69	2.37	19.10	2.49	22.51	2.60	25.92	2.72	30.01	2.86	32.74	2.96	36.15	3.07
	75.2	15.28	2.39	18.69	2.51	22.10	2.63	25.51	2.75	29.60	2.89	32.33	2.98	35.74	3.10
FDXS09L + FDXS09L + CDXS15L	60.8	16.83	2.51	20.22	2.64	23.61	2.77	26.99	2.89	31.06	3.05	33.77	3.15	37.16	3.28
	64.4	16.42	2.54	19.80	2.67	23.19	2.79	26.58	2.92	30.64	3.08	33.35	3.18	36.74	3.31
	68.0	16.00	2.56	19.39	2.69	22.78	2.82	26.17	2.95	30.23	3.10	32.94	3.21	36.33	3.34
	70.0	15.77	2.58	19.16	2.71	22.55	2.84	25.93	2.97	30.00	3.12	32.71	3.22	36.10	3.35
	71.6	15.59	2.59	18.98	2.72	22.36	2.85	25.75	2.98	29.82	3.13	32.53	3.24	35.91	3.36
	75.2	15.17	2.62	18.56	2.75	21.95	2.88	25.34	3.01	29.40	3.16	32.11	3.26	35.50	3.39
CTXS09H + CTXS09H + FTXS18L	60.8	17.67	2.20	21.23	2.32	24.79	2.43	28.34	2.54	32.61	2.68	35.46	2.77	39.01	2.88
	64.4	17.24	2.23	20.79	2.34	24.35	2.45	27.91	2.57	32.18	2.70	35.02	2.79	38.58	2.90
	68.0	16.80	2.25	20.36	2.37	23.92	2.48	27.47	2.59	31.74	2.73	34.59	2.82	38.14	2.93
	70.0	16.56	2.27	20.12	2.38	23.67	2.49	27.23	2.60	31.50	2.74	34.35	2.83	37.90	2.94
	71.6	16.37	2.28	19.92	2.39	23.48	2.50	27.04	2.62	31.31	2.75	34.15	2.84	37.71	2.95
	75.2	15.93	2.30	19.49	2.41	23.05	2.53	26.60	2.64	30.87	2.78	33.72	2.87	37.27	2.98
CTXS09H + CTXS09H + CDXS18L	60.8	17.50	2.40	21.03	2.53	24.55	2.65	28.07	2.77	32.30	2.92	35.12	3.02	38.64	3.14
	64.4	17.07	2.43	20.60	2.55	24.12	2.68	27.64	2.80	31.87	2.95	34.69	3.05	38.21	3.17
	68.0	16.64	2.46	20.17	2.58	23.69	2.70	27.21	2.83	31.44	2.98	34.26	3.07	37.78	3.20
	70.0	16.40	2.47	19.93	2.60	23.45	2.72	26.97	2.84	31.20	2.99	34.02	3.09	37.54	3.21
	71.6	16.21	2.48	19.73	2.61	23.26	2.73	26.78	2.85	31.01	3.00	33.83	3.10	37.35	3.22
	75.2	15.78	2.51	19.30	2.63	22.83	2.76	26.35	2.88	30.58	3.03	33.40	3.13	36.92	3.25
CTXS09H + FDXS09L + FTXS18L	60.8	17.50	2.25	21.03	2.37	24.55	2.48	28.07	2.60	32.30	2.74	35.12	2.83	38.64	2.94
	64.4	17.07	2.28	20.60	2.39	24.12	2.51	27.64	2.62	31.87	2.76	34.69	2.85	38.21	2.97
	68.0	16.64	2.30	20.17	2.42	23.69	2.53	27.21	2.65	31.44	2.79	34.26	2.88	37.78	2.99
	70.0	16.40	2.32	19.93	2.43	23.45	2.55	26.97	2.66	31.20	2.80	34.02	2.89	37.54	3.01
	71.6	16.21	2.33	19.73	2.44	23.26	2.56	26.78	2.67	31.01	2.81	33.83	2.90	37.35	3.02
	75.2	15.78	2.35	19.30	2.47	22.83	2.58	26.35	2.70	30.58	2.84	33.40	2.93	36.92	3.04
CTXS09H + FDXS09L + CDXS18L	60.8	17.28	2.48	20.76	2.60	24.24	2.73	27.71	2.86	31.89	3.01	34.67	3.11	38.15	3.24
	64.4	16.85	2.50	20.33	2.63	23.81	2.76	27.29	2.88	31.46	3.04	34.24	3.14	37.72	3.27
	68.0	16.43	2.53	19.91	2.66	23.38	2.79	26.86	2.91	31.04	3.06	33.82	3.17	37.30	3.29
	70.0	16.19	2.55	19.67	2.67	23.15	2.80	26.63	2.93	30.80	3.08	33.58	3.18	37.06	3.31
	71.6	16.00	2.56	19.48	2.69	22.96	2.81	26.44	2.94	30.61	3.09	33.39	3.19	36.87	3.32
	75.2	15.58	2.59	19.06	2.71	22.53	2.84	26.01	2.97	30.19	3.12	32.97	3.22	36.45	3.35

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FTXS18L	60.8	17.28	2.31	20.76	2.43	24.24	2.54	27.71	2.66	31.89	2.80	34.67	2.90	38.15	3.02
	64.4	16.85	2.33	20.33	2.45	23.81	2.57	27.29	2.69	31.46	2.83	34.24	2.92	37.72	3.04
	68.0	16.43	2.36	19.91	2.48	23.38	2.60	26.86	2.71	31.04	2.86	33.82	2.95	37.30	3.07
	70.0	16.19	2.37	19.67	2.49	23.15	2.61	26.63	2.73	30.80	2.87	33.58	2.96	37.06	3.08
	71.6	16.00	2.39	19.48	2.50	22.96	2.62	26.44	2.74	30.61	2.88	33.39	2.98	36.87	3.09
	75.2	15.58	2.41	19.06	2.53	22.53	2.65	26.01	2.77	30.19	2.91	32.97	3.00	36.45	3.12
FDXS09L + FDXS09L + CDXS18L	60.8	16.89	2.51	20.29	2.64	23.68	2.77	27.08	2.89	31.16	3.05	33.88	3.15	37.28	3.28
	64.4	16.47	2.54	19.87	2.67	23.27	2.79	26.67	2.92	30.75	3.08	33.47	3.18	36.86	3.31
	68.0	16.06	2.56	19.45	2.69	22.85	2.82	26.25	2.95	30.33	3.10	33.05	3.21	36.45	3.34
	70.0	15.82	2.58	19.22	2.71	22.62	2.84	26.02	2.97	30.10	3.12	32.82	3.22	36.22	3.35
	71.6	15.64	2.59	19.04	2.72	22.44	2.85	25.84	2.98	29.92	3.13	32.63	3.24	36.03	3.36
	75.2	15.22	2.62	18.62	2.75	22.02	2.88	25.42	3.01	29.50	3.16	32.22	3.26	35.62	3.39
CTXS09H + CTXS12H + CTXS12H	60.8	17.34	2.30	20.82	2.42	24.31	2.54	27.80	2.65	31.99	2.79	34.78	2.89	38.27	3.01
	64.4	16.91	2.33	20.40	2.44	23.89	2.56	27.38	2.68	31.56	2.82	34.36	2.91	37.84	3.03
	68.0	16.48	2.35	19.97	2.47	23.46	2.59	26.95	2.70	31.14	2.85	33.93	2.94	37.42	3.06
	70.0	16.25	2.37	19.73	2.48	23.22	2.60	26.71	2.72	30.90	2.86	33.69	2.95	37.18	3.07
	71.6	16.06	2.38	19.55	2.49	23.03	2.61	26.52	2.73	30.71	2.87	33.50	2.97	36.99	3.08
	75.2	15.63	2.40	19.12	2.52	22.61	2.64	26.10	2.76	30.28	2.90	33.08	2.99	36.56	3.11
CTXS09H + CTXS12H + FDXS12L	60.8	17.17	2.42	20.62	2.54	24.08	2.67	27.53	2.79	31.68	2.94	34.44	3.04	37.90	3.16
	64.4	16.74	2.45	20.20	2.57	23.66	2.70	27.11	2.82	31.26	2.97	34.02	3.07	37.48	3.19
	68.0	16.32	2.47	19.78	2.60	23.23	2.72	26.69	2.85	30.83	2.99	33.60	3.09	37.05	3.22
	70.0	16.09	2.49	19.54	2.61	23.00	2.74	26.45	2.86	30.60	3.01	33.36	3.11	36.82	3.23
	71.6	15.90	2.50	19.36	2.63	22.81	2.75	26.27	2.87	30.41	3.02	33.18	3.12	36.63	3.25
	75.2	15.48	2.53	18.93	2.65	22.39	2.78	25.84	2.90	29.99	3.05	32.75	3.15	36.21	3.27
CTXS09H + FDXS12L + FDXS12L	60.8	16.94	2.51	20.35	2.64	23.76	2.77	27.17	2.89	31.27	3.05	33.99	3.15	37.40	3.28
	64.4	16.53	2.54	19.94	2.67	23.35	2.79	26.76	2.92	30.85	3.08	33.58	3.18	36.99	3.31
	68.0	16.11	2.56	19.52	2.69	22.93	2.82	26.34	2.95	30.43	3.10	33.16	3.21	36.57	3.34
	70.0	15.88	2.58	19.29	2.71	22.70	2.84	26.11	2.97	30.20	3.12	32.93	3.22	36.34	3.35
	71.6	15.69	2.59	19.10	2.72	22.51	2.85	25.92	2.98	30.01	3.13	32.74	3.24	36.15	3.36
	75.2	15.28	2.62	18.69	2.75	22.10	2.88	25.51	3.01	29.60	3.16	32.33	3.26	35.74	3.39
FDXS09L + CTXS12H + CTXS12H	60.8	17.17	2.42	20.62	2.54	24.08	2.67	27.53	2.79	31.68	2.94	34.44	3.04	37.90	3.16
	64.4	16.74	2.45	20.20	2.57	23.66	2.70	27.11	2.82	31.26	2.97	34.02	3.07	37.48	3.19
	68.0	16.32	2.47	19.78	2.60	23.23	2.72	26.69	2.85	30.83	2.99	33.60	3.09	37.05	3.22
	70.0	16.09	2.49	19.54	2.61	23.00	2.74	26.45	2.86	30.60	3.01	33.36	3.11	36.82	3.23
	71.6	15.90	2.50	19.36	2.63	22.81	2.75	26.27	2.87	30.41	3.02	33.18	3.12	36.63	3.25
	75.2	15.48	2.53	18.93	2.65	22.39	2.78	25.84	2.90	29.99	3.05	32.75	3.15	36.21	3.27
FDXS09L + CTXS12H + FDXS12L	60.8	16.94	2.51	20.35	2.64	23.76	2.77	27.17	2.89	31.27	3.05	33.99	3.15	37.40	3.28
	64.4	16.53	2.54	19.94	2.67	23.35	2.79	26.76	2.92	30.85	3.08	33.58	3.18	36.99	3.31
	68.0	16.11	2.56	19.52	2.69	22.93	2.82	26.34	2.95	30.43	3.10	33.16	3.21	36.57	3.34
	70.0	15.88	2.58	19.29	2.71	22.70	2.84	26.11	2.97	30.20	3.12	32.93	3.22	36.34	3.35
	71.6	15.69	2.59	19.10	2.72	22.51	2.85	25.92	2.98	30.01	3.13	32.74	3.24	36.15	3.36
	75.2	15.28	2.62	18.69	2.75	22.10	2.88	25.51	3.01	29.60	3.16	32.33	3.26	35.74	3.39
FDXS09L + FDXS12L + FDXS12L	60.8	16.83	2.65	20.22	2.79	23.61	2.93	26.99	3.06	31.06	3.22	33.77	3.33	37.16	3.47
	64.4	16.42	2.68	19.80	2.82	23.19	2.95	26.58	3.09	30.64	3.25	33.35	3.36	36.74	3.50
	68.0	16.00	2.71	19.39	2.85	22.78	2.98	26.17	3.12	30.23	3.28	32.94	3.39	36.33	3.53
	70.0	15.77	2.73	19.16	2.87	22.55	3.00	25.93	3.14	30.00	3.30	32.71	3.41	36.10	3.54
	71.6	15.59	2.74	18.98	2.88	22.36	3.01	25.75	3.15	29.82	3.31	32.53	3.42	35.91	3.56
	75.2	15.17	2.77	18.56	2.91	21.95	3.04	25.34	3.18	29.40	3.34	32.11	3.45	35.50	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CTXS12H + FTXS15L	60.8	17.67	2.22	21.23	2.33	24.79	2.45	28.34	2.56	32.61	2.70	35.46	2.79	39.01	2.90
	64.4	17.24	2.24	20.79	2.36	24.35	2.47	27.91	2.58	32.18	2.72	35.02	2.81	38.58	2.93
	68.0	16.80	2.27	20.36	2.38	23.92	2.50	27.47	2.61	31.74	2.75	34.59	2.84	38.14	2.95
	70.0	16.56	2.28	20.12	2.40	23.67	2.51	27.23	2.62	31.50	2.76	34.35	2.85	37.90	2.96
	71.6	16.37	2.29	19.92	2.41	23.48	2.52	27.04	2.63	31.31	2.77	34.15	2.86	37.71	2.98
	75.2	15.93	2.32	19.49	2.43	23.05	2.55	26.60	2.66	30.87	2.80	33.72	2.89	37.27	3.00
CTXS09H + CTXS12H + CDXS15L	60.8	17.50	2.40	21.03	2.53	24.55	2.65	28.07	2.77	32.30	2.92	35.12	3.02	38.64	3.14
	64.4	17.07	2.43	20.60	2.55	24.12	2.68	27.64	2.80	31.87	2.95	34.69	3.05	38.21	3.17
	68.0	16.64	2.46	20.17	2.58	23.69	2.70	27.21	2.83	31.44	2.98	34.26	3.07	37.78	3.20
	70.0	16.40	2.47	19.93	2.60	23.45	2.72	26.97	2.84	31.20	2.99	34.02	3.09	37.54	3.21
	71.6	16.21	2.48	19.73	2.61	23.26	2.73	26.78	2.85	31.01	3.00	33.83	3.10	37.35	3.22
	75.2	15.78	2.51	19.30	2.63	22.83	2.76	26.35	2.88	30.58	3.03	33.40	3.13	36.92	3.25
CTXS09H + FDXS12L + FTXS15L	60.8	17.50	2.28	21.03	2.39	24.55	2.51	28.07	2.62	32.30	2.76	35.12	2.86	38.64	2.97
	64.4	17.07	2.30	20.60	2.42	24.12	2.53	27.64	2.65	31.87	2.79	34.69	2.88	38.21	3.00
	68.0	16.64	2.33	20.17	2.44	23.69	2.56	27.21	2.68	31.44	2.82	34.26	2.91	37.78	3.03
	70.0	16.40	2.34	19.93	2.46	23.45	2.57	26.97	2.69	31.20	2.83	34.02	2.92	37.54	3.04
	71.6	16.21	2.35	19.73	2.47	23.26	2.58	26.78	2.70	31.01	2.84	33.83	2.93	37.35	3.05
	75.2	15.78	2.38	19.30	2.49	22.83	2.61	26.35	2.73	30.58	2.87	33.40	2.96	36.92	3.08
CTXS09H + FDXS12L + CDXS15L	60.8	17.28	2.48	20.76	2.60	24.24	2.73	27.71	2.86	31.89	3.01	34.67	3.11	38.15	3.24
	64.4	16.85	2.50	20.33	2.63	23.81	2.76	27.29	2.88	31.46	3.04	34.24	3.14	37.72	3.27
	68.0	16.43	2.53	19.91	2.66	23.38	2.79	26.86	2.91	31.04	3.06	33.82	3.17	37.30	3.29
	70.0	16.19	2.55	19.67	2.67	23.15	2.80	26.63	2.93	30.80	3.08	33.58	3.18	37.06	3.31
	71.6	16.00	2.56	19.48	2.69	22.96	2.81	26.44	2.94	30.61	3.09	33.39	3.19	36.87	3.32
	75.2	15.58	2.59	19.06	2.71	22.53	2.84	26.01	2.97	30.19	3.12	32.97	3.22	36.45	3.35
FDXS09L + CTXS12H + FTXS15L	60.8	17.50	2.28	21.03	2.39	24.55	2.51	28.07	2.62	32.30	2.76	35.12	2.86	38.64	2.97
	64.4	17.07	2.30	20.60	2.42	24.12	2.53	27.64	2.65	31.87	2.79	34.69	2.88	38.21	3.00
	68.0	16.64	2.33	20.17	2.44	23.69	2.56	27.21	2.68	31.44	2.82	34.26	2.91	37.78	3.03
	70.0	16.40	2.34	19.93	2.46	23.45	2.57	26.97	2.69	31.20	2.83	34.02	2.92	37.54	3.04
	71.6	16.21	2.35	19.73	2.47	23.26	2.58	26.78	2.70	31.01	2.84	33.83	2.93	37.35	3.05
	75.2	15.78	2.38	19.30	2.49	22.83	2.61	26.35	2.73	30.58	2.87	33.40	2.96	36.92	3.08
FDXS09L + CTXS12H + CDXS15L	60.8	17.28	2.48	20.76	2.60	24.24	2.73	27.71	2.86	31.89	3.01	34.67	3.11	38.15	3.24
	64.4	16.85	2.50	20.33	2.63	23.81	2.76	27.29	2.88	31.46	3.04	34.24	3.14	37.72	3.27
	68.0	16.43	2.53	19.91	2.66	23.38	2.79	26.86	2.91	31.04	3.06	33.82	3.17	37.30	3.29
	70.0	16.19	2.55	19.67	2.67	23.15	2.80	26.63	2.93	30.80	3.08	33.58	3.18	37.06	3.31
	71.6	16.00	2.56	19.48	2.69	22.96	2.81	26.44	2.94	30.61	3.09	33.39	3.19	36.87	3.32
	75.2	15.58	2.59	19.06	2.71	22.53	2.84	26.01	2.97	30.19	3.12	32.97	3.22	36.45	3.35
FDXS09L + FDXS12L + FTXS15L	60.8	17.28	2.38	20.76	2.50	24.24	2.62	27.71	2.75	31.89	2.89	34.67	2.99	38.15	3.11
	64.4	16.85	2.41	20.33	2.53	23.81	2.65	27.29	2.77	31.46	2.92	34.24	3.02	37.72	3.14
	68.0	16.43	2.43	19.91	2.56	23.38	2.68	26.86	2.80	31.04	2.95	33.82	3.04	37.30	3.16
	70.0	16.19	2.45	19.67	2.57	23.15	2.69	26.63	2.81	30.80	2.96	33.58	3.06	37.06	3.18
	71.6	16.00	2.46	19.48	2.58	22.96	2.70	26.44	2.83	30.61	2.97	33.39	3.07	36.87	3.19
	75.2	15.58	2.49	19.06	2.61	22.53	2.73	26.01	2.85	30.19	3.00	32.97	3.10	36.45	3.22
FDXS09L + FDXS12L + CDXS15L	60.8	17.00	2.55	20.42	2.68	23.84	2.81	27.26	2.94	31.37	3.10	34.11	3.20	37.53	3.33
	64.4	16.58	2.58	20.00	2.71	23.42	2.84	26.85	2.97	30.95	3.13	33.69	3.23	37.11	3.36
	68.0	16.16	2.61	19.58	2.74	23.01	2.87	26.43	3.00	30.53	3.15	33.27	3.26	36.69	3.39
	70.0	15.93	2.62	19.35	2.75	22.77	2.88	26.19	3.01	30.30	3.17	33.04	3.27	36.46	3.40
	71.6	15.74	2.63	19.17	2.76	22.59	2.90	26.01	3.03	30.11	3.18	32.85	3.29	36.27	3.42
	75.2	15.33	2.66	18.75	2.79	22.17	2.92	25.59	3.05	29.70	3.21	32.43	3.32	35.85	3.45

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS12H + FTXS18L	60.8	17.84	2.24	21.43	2.36	25.02	2.47	28.61	2.59	32.92	2.73	35.79	2.82	39.39	2.93
	64.4	17.40	2.27	20.99	2.38	24.58	2.50	28.17	2.61	32.48	2.75	35.36	2.84	38.95	2.96
	68.0	16.96	2.29	20.55	2.41	24.14	2.52	27.73	2.64	32.04	2.78	34.92	2.87	38.51	2.98
	70.0	16.72	2.31	20.31	2.42	23.90	2.54	27.49	2.65	31.80	2.79	34.67	2.88	38.26	3.00
	71.6	16.52	2.32	20.11	2.43	23.71	2.55	27.30	2.66	31.60	2.80	34.48	2.89	38.07	3.01
	75.2	16.08	2.34	19.68	2.46	23.27	2.57	26.86	2.69	31.17	2.83	34.04	2.92	37.63	3.03
CTXS09H + CTXS12H + CDXS18L	60.8	17.67	2.44	21.23	2.57	24.79	2.69	28.34	2.82	32.61	2.97	35.46	3.07	39.01	3.20
	64.4	17.24	2.47	20.79	2.60	24.35	2.72	27.91	2.85	32.18	3.00	35.02	3.10	38.58	3.22
	68.0	16.80	2.50	20.36	2.62	23.92	2.75	27.47	2.87	31.74	3.02	34.59	3.12	38.14	3.25
	70.0	16.56	2.51	20.12	2.64	23.67	2.76	27.23	2.89	31.50	3.04	34.35	3.14	37.90	3.27
	71.6	16.37	2.53	19.92	2.65	23.48	2.78	27.04	2.90	31.31	3.05	34.15	3.15	37.71	3.28
	75.2	15.93	2.55	19.49	2.68	23.05	2.80	26.60	2.93	30.87	3.08	33.72	3.18	37.27	3.30
CTXS09H + FDXS12L + FTXS18L	60.8	17.67	2.29	21.23	2.41	24.79	2.53	28.34	2.64	32.61	2.78	35.46	2.88	39.01	3.00
	64.4	17.24	2.32	20.79	2.43	24.35	2.55	27.91	2.67	32.18	2.81	35.02	2.90	38.58	3.02
	68.0	16.80	2.34	20.36	2.46	23.92	2.58	27.47	2.69	31.74	2.84	34.59	2.93	38.14	3.05
	70.0	16.56	2.36	20.12	2.47	23.67	2.59	27.23	2.71	31.50	2.85	34.35	2.94	37.90	3.06
	71.6	16.37	2.37	19.92	2.49	23.48	2.60	27.04	2.72	31.31	2.86	34.15	2.96	37.71	3.07
	75.2	15.93	2.39	19.49	2.51	23.05	2.63	26.60	2.75	30.87	2.89	33.72	2.98	37.27	3.10
CTXS09H + FDXS12L + CDXS18L	60.8	17.45	2.52	20.96	2.65	24.47	2.77	27.98	2.90	32.20	3.06	35.01	3.16	38.52	3.29
	64.4	17.02	2.54	20.53	2.67	24.04	2.80	27.55	2.93	31.77	3.09	34.58	3.19	38.09	3.32
	68.0	16.59	2.57	20.10	2.70	23.61	2.83	27.12	2.96	31.34	3.11	34.15	3.22	37.66	3.35
	70.0	16.35	2.59	19.86	2.72	23.37	2.85	26.89	2.98	31.10	3.13	33.91	3.23	37.42	3.36
	71.6	16.16	2.60	19.67	2.73	23.18	2.86	26.70	2.99	30.91	3.14	33.72	3.25	37.23	3.37
	75.2	15.73	2.63	19.24	2.76	22.75	2.89	26.27	3.02	30.48	3.17	33.29	3.27	36.80	3.40
FDXS09L + CTXS12H + FTXS18L	60.8	17.67	2.29	21.23	2.41	24.79	2.53	28.34	2.64	32.61	2.78	35.46	2.88	39.01	3.00
	64.4	17.24	2.32	20.79	2.43	24.35	2.55	27.91	2.67	32.18	2.81	35.02	2.90	38.58	3.02
	68.0	16.80	2.34	20.36	2.46	23.92	2.58	27.47	2.69	31.74	2.84	34.59	2.93	38.14	3.05
	70.0	16.56	2.36	20.12	2.47	23.67	2.59	27.23	2.71	31.50	2.85	34.35	2.94	37.90	3.06
	71.6	16.37	2.37	19.92	2.49	23.48	2.60	27.04	2.72	31.31	2.86	34.15	2.96	37.71	3.07
	75.2	15.93	2.39	19.49	2.51	23.05	2.63	26.60	2.75	30.87	2.89	33.72	2.98	37.27	3.10
FDXS09L + CTXS12H + CDXS18L	60.8	17.45	2.52	20.96	2.65	24.47	2.77	27.98	2.90	32.20	3.06	35.01	3.16	38.52	3.29
	64.4	17.02	2.54	20.53	2.67	24.04	2.80	27.55	2.93	31.77	3.09	34.58	3.19	38.09	3.32
	68.0	16.59	2.57	20.10	2.70	23.61	2.83	27.12	2.96	31.34	3.11	34.15	3.22	37.66	3.35
	70.0	16.35	2.59	19.86	2.72	23.37	2.85	26.89	2.98	31.10	3.13	33.91	3.23	37.42	3.36
	71.6	16.16	2.60	19.67	2.73	23.18	2.86	26.70	2.99	30.91	3.14	33.72	3.25	37.23	3.37
	75.2	15.73	2.63	19.24	2.76	22.75	2.89	26.27	3.02	30.48	3.17	33.29	3.27	36.80	3.40
FDXS09L + FDXS12L + FTXS18L	60.8	17.45	2.35	20.96	2.47	24.47	2.59	27.98	2.71	32.20	2.85	35.01	2.95	38.52	3.07
	64.4	17.02	2.37	20.53	2.49	24.04	2.61	27.55	2.73	31.77	2.88	34.58	2.98	38.09	3.10
	68.0	16.59	2.40	20.10	2.52	23.61	2.64	27.12	2.76	31.34	2.91	34.15	3.00	37.66	3.12
	70.0	16.35	2.41	19.86	2.54	23.37	2.66	26.89	2.78	31.10	2.92	33.91	3.02	37.42	3.14
	71.6	16.16	2.43	19.67	2.55	23.18	2.67	26.70	2.79	30.91	2.93	33.72	3.03	37.23	3.15
	75.2	15.73	2.45	19.24	2.57	22.75	2.69	26.27	2.81	30.48	2.96	33.29	3.05	36.80	3.17
FDXS09L + FDXS12L + CDXS18L	60.8	17.22	2.60	20.69	2.73	24.16	2.86	27.62	3.00	31.78	3.16	34.56	3.26	38.02	3.40
	64.4	16.80	2.63	20.27	2.76	23.73	2.89	27.20	3.03	31.36	3.18	34.13	3.29	37.60	3.42
	68.0	16.38	2.66	19.84	2.79	23.31	2.92	26.78	3.05	30.94	3.21	33.71	3.32	37.18	3.45
	70.0	16.14	2.67	19.61	2.80	23.07	2.94	26.54	3.07	30.70	3.23	33.47	3.34	36.94	3.47
	71.6	15.95	2.68	19.42	2.82	22.89	2.95	26.35	3.08	30.51	3.24	33.28	3.35	36.75	3.48
	75.2	15.53	2.71	18.99	2.85	22.46	2.98	25.93	3.11	30.09	3.27	32.86	3.38	36.33	3.51

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS15L + FTXS15L	60.8	17.95	2.19	21.57	2.31	25.18	2.42	28.79	2.53	33.13	2.67	36.02	2.76	39.63	2.87
	64.4	17.51	2.22	21.12	2.33	24.74	2.44	28.35	2.56	32.69	2.69	35.58	2.78	39.19	2.89
	68.0	17.07	2.24	20.68	2.36	24.30	2.47	27.91	2.58	32.25	2.72	35.14	2.81	38.75	2.92
	70.0	16.82	2.26	20.44	2.37	24.05	2.48	27.66	2.60	32.00	2.73	34.89	2.82	38.50	2.93
	71.6	16.63	2.27	20.24	2.38	23.85	2.49	27.47	2.61	31.80	2.74	34.69	2.83	38.31	2.94
	75.2	16.19	2.29	19.80	2.41	23.41	2.52	27.03	2.63	31.36	2.77	34.25	2.86	37.87	2.97
CTXS09H + FTXS15L + CDXS15L	60.8	17.67	2.30	21.23	2.42	24.79	2.54	28.34	2.65	32.61	2.79	35.46	2.89	39.01	3.01
	64.4	17.24	2.33	20.79	2.44	24.35	2.56	27.91	2.68	32.18	2.82	35.02	2.91	38.58	3.03
	68.0	16.80	2.35	20.36	2.47	23.92	2.59	27.47	2.70	31.74	2.85	34.59	2.94	38.14	3.06
	70.0	16.56	2.37	20.12	2.48	23.67	2.60	27.23	2.72	31.50	2.86	34.35	2.95	37.90	3.07
	71.6	16.37	2.38	19.92	2.49	23.48	2.61	27.04	2.73	31.31	2.87	34.15	2.97	37.71	3.08
	75.2	15.93	2.40	19.49	2.52	23.05	2.64	26.60	2.76	30.87	2.90	33.72	2.99	37.27	3.11
CTXS09H + CDXS15L + CDXS15L	60.8	17.67	2.47	21.23	2.59	24.79	2.72	28.34	2.85	32.61	3.00	35.46	3.10	39.01	3.23
	64.4	17.24	2.50	20.79	2.62	24.35	2.75	27.91	2.88	32.18	3.03	35.02	3.13	38.58	3.25
	68.0	16.80	2.52	20.36	2.65	23.92	2.78	27.47	2.90	31.74	3.05	34.59	3.16	38.14	3.28
	70.0	16.56	2.54	20.12	2.67	23.67	2.79	27.23	2.92	31.50	3.07	34.35	3.17	37.90	3.30
	71.6	16.37	2.55	19.92	2.68	23.48	2.80	27.04	2.93	31.31	3.08	34.15	3.18	37.71	3.31
	75.2	15.93	2.58	19.49	2.71	23.05	2.83	26.60	2.96	30.87	3.11	33.72	3.21	37.27	3.34
FDXS09L + FTXS15L + FTXS15L	60.8	17.67	2.22	21.23	2.33	24.79	2.45	28.34	2.56	32.61	2.70	35.46	2.79	39.01	2.90
	64.4	17.24	2.24	20.79	2.36	24.35	2.47	27.91	2.58	32.18	2.72	35.02	2.81	38.58	2.93
	68.0	16.80	2.27	20.36	2.38	23.92	2.50	27.47	2.61	31.74	2.75	34.59	2.84	38.14	2.95
	70.0	16.56	2.28	20.12	2.40	23.67	2.51	27.23	2.62	31.50	2.76	34.35	2.85	37.90	2.96
	71.6	16.37	2.29	19.92	2.41	23.48	2.52	27.04	2.63	31.31	2.77	34.15	2.86	37.71	2.98
	75.2	15.93	2.32	19.49	2.43	23.05	2.55	26.60	2.66	30.87	2.80	33.72	2.89	37.27	3.00
FDXS09L + FTXS15L + CDXS15L	60.8	17.67	2.38	21.23	2.50	24.79	2.62	28.34	2.75	32.61	2.89	35.46	2.99	39.01	3.11
	64.4	17.24	2.41	20.79	2.53	24.35	2.65	27.91	2.77	32.18	2.92	35.02	3.02	38.58	3.14
	68.0	16.80	2.43	20.36	2.56	23.92	2.68	27.47	2.80	31.74	2.95	34.59	3.04	38.14	3.16
	70.0	16.56	2.45	20.12	2.57	23.67	2.69	27.23	2.81	31.50	2.96	34.35	3.06	37.90	3.18
	71.6	16.37	2.46	19.92	2.58	23.48	2.70	27.04	2.83	31.31	2.97	34.15	3.07	37.71	3.19
	75.2	15.93	2.49	19.49	2.61	23.05	2.73	26.60	2.85	30.87	3.00	33.72	3.10	37.27	3.22
FDXS09L + CDXS15L + CDXS15L	60.8	17.50	2.57	21.03	2.70	24.55	2.84	28.07	2.97	32.30	3.13	35.12	3.23	38.64	3.36
	64.4	17.07	2.60	20.60	2.73	24.12	2.87	27.64	3.00	31.87	3.16	34.69	3.26	38.21	3.39
	68.0	16.64	2.63	20.17	2.76	23.69	2.89	27.21	3.03	31.44	3.18	34.26	3.29	37.78	3.42
	70.0	16.40	2.65	19.93	2.78	23.45	2.91	26.97	3.04	31.20	3.20	34.02	3.31	37.54	3.44
	71.6	16.21	2.66	19.73	2.79	23.26	2.92	26.78	3.05	31.01	3.21	33.83	3.32	37.35	3.45
	75.2	15.78	2.69	19.30	2.82	22.83	2.95	26.35	3.08	30.58	3.24	33.40	3.35	36.92	3.48
CTXS12H + CTXS12H + CTXS12H	60.8	17.56	2.35	21.09	2.47	24.63	2.59	28.16	2.71	32.40	2.85	35.23	2.95	38.77	3.07
	64.4	17.13	2.37	20.66	2.49	24.20	2.61	27.73	2.73	31.97	2.88	34.80	2.98	38.33	3.10
	68.0	16.70	2.40	20.23	2.52	23.76	2.64	27.30	2.76	31.54	2.91	34.37	3.00	37.90	3.12
	70.0	16.46	2.41	19.99	2.54	23.52	2.66	27.06	2.78	31.30	2.92	34.13	3.02	37.66	3.14
	71.6	16.26	2.43	19.80	2.55	23.33	2.67	26.87	2.79	31.11	2.93	33.94	3.03	37.47	3.15
	75.2	15.83	2.45	19.37	2.57	22.90	2.69	26.43	2.81	30.68	2.96	33.50	3.05	37.04	3.17
CTXS12H + CTXS12H + FDXS12L	60.8	17.39	2.46	20.89	2.59	24.39	2.71	27.89	2.84	32.09	2.99	34.89	3.09	38.39	3.22
	64.4	16.96	2.49	20.46	2.61	23.96	2.74	27.47	2.87	31.67	3.02	34.47	3.12	37.97	3.24
	68.0	16.54	2.52	20.04	2.64	23.54	2.77	27.04	2.89	31.24	3.04	34.04	3.15	37.54	3.27
	70.0	16.30	2.53	19.80	2.66	23.30	2.78	26.80	2.91	31.00	3.06	33.80	3.16	37.30	3.29
	71.6	16.11	2.54	19.61	2.67	23.11	2.80	26.61	2.92	30.81	3.07	33.61	3.17	37.11	3.30
	75.2	15.68	2.57	19.18	2.70	22.68	2.82	26.18	2.95	30.38	3.10	33.18	3.20	36.68	3.33

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + FDXS12L + FDXS12L	60.8	17.06	2.55	20.49	2.68	23.92	2.81	27.35	2.94	31.47	3.10	34.22	3.20	37.65	3.33
	64.4	16.64	2.58	20.07	2.71	23.50	2.84	26.93	2.97	31.05	3.13	33.80	3.23	37.23	3.36
	68.0	16.22	2.61	19.65	2.74	23.08	2.87	26.51	3.00	30.63	3.15	33.38	3.26	36.81	3.39
	70.0	15.98	2.62	19.42	2.75	22.85	2.88	26.28	3.01	30.40	3.17	33.15	3.27	36.58	3.40
	71.6	15.80	2.63	19.23	2.76	22.66	2.90	26.09	3.03	30.21	3.18	32.96	3.29	36.39	3.42
	75.2	15.38	2.66	18.81	2.79	22.24	2.92	25.67	3.05	29.79	3.21	32.54	3.32	35.97	3.45
FDXS12L + FDXS12L + FDXS12L	60.8	16.94	2.69	20.35	2.83	23.76	2.97	27.17	3.11	31.27	3.27	33.99	3.38	37.40	3.52
	64.4	16.53	2.72	19.94	2.86	23.35	3.00	26.76	3.14	30.85	3.30	33.58	3.41	36.99	3.55
	68.0	16.11	2.75	19.52	2.89	22.93	3.03	26.34	3.17	30.43	3.33	33.16	3.44	36.57	3.58
	70.0	15.88	2.77	19.29	2.91	22.70	3.05	26.11	3.18	30.20	3.35	32.93	3.46	36.34	3.60
	71.6	15.69	2.78	19.10	2.92	22.51	3.06	25.92	3.20	30.01	3.36	32.74	3.47	36.15	3.61
	75.2	15.28	2.81	18.69	2.95	22.10	3.09	25.51	3.23	29.60	3.39	32.33	3.50	35.74	3.64
CTXS12H + CTXS12H + FTXS15L	60.8	17.84	2.26	21.43	2.38	25.02	2.49	28.61	2.61	32.92	2.75	35.79	2.84	39.39	2.95
	64.4	17.40	2.28	20.99	2.40	24.58	2.52	28.17	2.63	32.48	2.77	35.36	2.86	38.95	2.98
	68.0	16.96	2.31	20.55	2.43	24.14	2.54	27.73	2.66	32.04	2.80	34.92	2.89	38.51	3.00
	70.0	16.72	2.32	20.31	2.44	23.90	2.56	27.49	2.67	31.80	2.81	34.67	2.90	38.26	3.02
	71.6	16.52	2.34	20.11	2.45	23.71	2.57	27.30	2.68	31.60	2.82	34.48	2.91	38.07	3.03
	75.2	16.08	2.36	19.68	2.48	23.27	2.59	26.86	2.71	31.17	2.85	34.04	2.94	37.63	3.05
CTXS12H + CTXS12H + CDXS15L	60.8	17.67	2.44	21.23	2.57	24.79	2.69	28.34	2.82	32.61	2.97	35.46	3.07	39.01	3.20
	64.4	17.24	2.47	20.79	2.60	24.35	2.72	27.91	2.85	32.18	3.00	35.02	3.10	38.58	3.22
	68.0	16.80	2.50	20.36	2.62	23.92	2.75	27.47	2.87	31.74	3.02	34.59	3.12	38.14	3.25
	70.0	16.56	2.51	20.12	2.64	23.67	2.76	27.23	2.89	31.50	3.04	34.35	3.14	37.90	3.27
	71.6	16.37	2.53	19.92	2.65	23.48	2.78	27.04	2.90	31.31	3.05	34.15	3.15	37.71	3.28
	75.2	15.93	2.55	19.49	2.68	23.05	2.80	26.60	2.93	30.87	3.08	33.72	3.18	37.27	3.30
CTXS12H + FDXS12L + FTXS15L	60.8	17.67	2.36	21.23	2.48	24.79	2.60	28.34	2.72	32.61	2.86	35.46	2.96	39.01	3.08
	64.4	17.24	2.38	20.79	2.50	24.35	2.62	27.91	2.74	32.18	2.89	35.02	2.99	38.58	3.11
	68.0	16.80	2.41	20.36	2.53	23.92	2.65	27.47	2.77	31.74	2.92	34.59	3.01	38.14	3.13
	70.0	16.56	2.42	20.12	2.54	23.67	2.66	27.23	2.79	31.50	2.93	34.35	3.03	37.90	3.15
	71.6	16.37	2.43	19.92	2.56	23.48	2.68	27.04	2.80	31.31	2.94	34.15	3.04	37.71	3.16
	75.2	15.93	2.46	19.49	2.58	23.05	2.70	26.60	2.82	30.87	2.97	33.72	3.06	37.27	3.19
CTXS12H + FDXS12L + CDXS15L	60.8	17.45	2.52	20.96	2.65	24.47	2.77	27.98	2.90	32.20	3.06	35.01	3.16	38.52	3.29
	64.4	17.02	2.54	20.53	2.67	24.04	2.80	27.55	2.93	31.77	3.09	34.58	3.19	38.09	3.32
	68.0	16.59	2.57	20.10	2.70	23.61	2.83	27.12	2.96	31.34	3.11	34.15	3.22	37.66	3.35
	70.0	16.35	2.59	19.86	2.72	23.37	2.85	26.89	2.98	31.10	3.13	33.91	3.23	37.42	3.36
	71.6	16.16	2.60	19.67	2.73	23.18	2.86	26.70	2.99	30.91	3.14	33.72	3.25	37.23	3.37
	75.2	15.73	2.63	19.24	2.76	22.75	2.89	26.27	3.02	30.48	3.17	33.29	3.27	36.80	3.40
FDXS12L + FDXS12L + FTXS15L	60.8	17.45	2.42	20.96	2.54	24.47	2.67	27.98	2.79	32.20	2.94	35.01	3.04	38.52	3.16
	64.4	17.02	2.45	20.53	2.57	24.04	2.70	27.55	2.82	31.77	2.97	34.58	3.07	38.09	3.19
	68.0	16.59	2.47	20.10	2.60	23.61	2.72	27.12	2.85	31.34	2.99	34.15	3.09	37.66	3.22
	70.0	16.35	2.49	19.86	2.61	23.37	2.74	26.89	2.86	31.10	3.01	33.91	3.11	37.42	3.23
	71.6	16.16	2.50	19.67	2.63	23.18	2.75	26.70	2.87	30.91	3.02	33.72	3.12	37.23	3.25
	75.2	15.73	2.53	19.24	2.65	22.75	2.78	26.27	2.90	30.48	3.05	33.29	3.15	36.80	3.27
FDXS12L + FDXS12L + CDXS15L	60.8	17.22	2.60	20.69	2.73	24.16	2.86	27.62	3.00	31.78	3.16	34.56	3.26	38.02	3.40
	64.4	16.80	2.63	20.27	2.76	23.73	2.89	27.20	3.03	31.36	3.18	34.13	3.29	37.60	3.42
	68.0	16.38	2.66	19.84	2.79	23.31	2.92	26.78	3.05	30.94	3.21	33.71	3.32	37.18	3.45
	70.0	16.14	2.67	19.61	2.80	23.07	2.94	26.54	3.07	30.70	3.23	33.47	3.34	36.94	3.47
	71.6	15.95	2.68	19.42	2.82	22.89	2.95	26.35	3.08	30.51	3.24	33.28	3.35	36.75	3.48
	75.2	15.53	2.71	18.99	2.85	22.46	2.98	25.93	3.11	30.09	3.27	32.86	3.38	36.33	3.51



**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

C: 3D079003 ~ 3D079009  
C: 3D079010 ~ 3D079015

## 7.3 4MXS32GVJU

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## Cooling [60 Hz, 208 - 230 V]

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	68.0	7.79	0.54	8.14	0.55	8.49	0.56	8.66	0.56	9.19	0.58	9.54	0.59
	77.0	7.43	0.57	7.78	0.58	8.13	0.59	8.31	0.60	8.83	0.61	9.18	0.62
	86.0	7.08	0.61	7.43	0.62	7.78	0.63	7.95	0.63	8.48	0.65	8.83	0.66
	89.6	6.94	0.62	7.29	0.63	7.64	0.64	7.81	0.65	8.34	0.66	8.69	0.67
	95.0	6.72	0.64	7.07	0.65	7.42	0.67	7.60	0.67	8.13	0.69	8.48	0.70
	104.0	6.37	0.69	6.72	0.70	7.07	0.71	7.25	0.71	7.77	0.73	8.12	0.74
	109.4	6.16	0.71	6.51	0.72	6.86	0.73	7.03	0.74	7.56	0.75	7.91	0.76
	114.8	5.95	0.74	6.30	0.75	6.65	0.76	6.82	0.77	7.35	0.78	7.70	0.79
CTXS09H	68.0	9.94	0.66	10.38	0.67	10.83	0.68	11.05	0.69	11.73	0.71	12.17	0.72
	77.0	9.49	0.70	9.93	0.71	10.38	0.72	10.60	0.73	11.27	0.75	11.72	0.76
	86.0	9.03	0.74	9.48	0.75	9.93	0.77	10.15	0.77	10.82	0.79	11.27	0.81
	89.6	8.85	0.76	9.30	0.77	9.75	0.79	9.97	0.79	10.64	0.81	11.09	0.83
	95.0	8.58	0.79	9.03	0.80	9.48	0.81	9.70	0.82	10.37	0.84	10.82	0.85
	104.0	8.13	0.84	8.58	0.85	9.02	0.86	9.25	0.87	9.92	0.89	10.37	0.90
	109.4	7.86	0.87	8.31	0.88	8.75	0.90	8.98	0.90	9.65	0.92	10.09	0.94
	114.8	7.59	0.90	8.04	0.92	8.48	0.93	8.71	0.94	9.38	0.96	9.82	0.97
FDXS09L	68.0	9.63	0.71	10.06	0.72	10.50	0.73	10.71	0.74	11.36	0.76	11.80	0.78
	77.0	9.19	0.75	9.63	0.76	10.06	0.78	10.28	0.78	10.92	0.81	11.36	0.82
	86.0	8.76	0.80	9.19	0.81	9.62	0.82	9.84	0.83	10.49	0.85	10.92	0.87
	89.6	8.58	0.82	9.01	0.83	9.45	0.84	9.66	0.85	10.31	0.87	10.75	0.89
	95.0	8.32	0.85	8.75	0.86	9.18	0.87	9.40	0.88	10.05	0.90	10.48	0.92
	104.0	7.88	0.90	8.31	0.91	8.75	0.93	8.96	0.93	9.61	0.96	10.04	0.97
	109.4	7.62	0.93	8.05	0.95	8.48	0.96	8.70	0.97	9.35	0.99	9.78	1.00
	114.8	7.35	0.97	7.79	0.98	8.14	0.98	8.31	0.98	8.81	0.98	9.13	0.98
CTXS12H	68.0	13.32	0.91	13.92	0.93	14.52	0.94	14.82	0.95	15.71	0.98	16.31	1.00
	77.0	12.71	0.96	13.31	0.98	13.91	1.00	14.21	1.01	15.11	1.03	15.71	1.05
	86.0	12.11	1.02	12.71	1.04	13.31	1.06	13.61	1.07	14.50	1.09	15.10	1.11
	89.6	11.87	1.05	12.46	1.06	13.06	1.08	13.36	1.09	14.26	1.12	14.86	1.14
	95.0	11.50	1.09	12.10	1.10	12.70	1.12	13.00	1.13	13.90	1.16	14.50	1.18
	104.0	10.90	1.16	11.50	1.17	12.10	1.19	12.39	1.20	13.29	1.23	13.89	1.25
	109.4	10.53	1.20	11.13	1.22	11.73	1.24	12.03	1.24	12.93	1.27	13.53	1.29
	114.8	8.57	0.98	8.96	0.98	9.34	0.98	9.52	0.98	10.06	0.98	10.42	0.98
FDXS12L	68.0	11.28	0.82	12.95	0.95	13.51	0.97	13.79	0.98	14.63	1.01	15.18	1.02
	77.0	11.28	0.92	12.39	1.01	12.95	1.02	13.23	1.03	14.06	1.06	14.62	1.08
	86.0	11.27	1.05	11.83	1.07	12.38	1.09	12.66	1.10	13.50	1.12	14.06	1.14
	89.6	11.04	1.07	11.60	1.09	12.16	1.11	12.44	1.12	13.27	1.15	13.83	1.17
	95.0	10.71	1.11	11.26	1.13	11.82	1.15	12.10	1.16	12.94	1.19	13.49	1.21
	104.0	10.14	1.19	10.70	1.20	11.26	1.22	11.54	1.23	12.37	1.26	12.93	1.28
	109.4	9.80	1.23	10.36	1.25	10.92	1.27	11.20	1.28	12.03	1.31	12.59	1.32
	114.8	7.89	0.98	8.24	0.98	8.59	0.98	8.76	0.98	9.26	0.98	9.58	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS15L	68.0	16.60	1.15	17.34	1.17	18.09	1.19	18.46	1.21	19.58	1.24	20.33	1.26
	77.0	15.84	1.22	16.59	1.24	17.34	1.26	17.71	1.27	18.83	1.31	19.57	1.33
	86.0	15.09	1.29	15.83	1.32	16.58	1.34	16.95	1.35	18.07	1.38	18.82	1.41
	89.6	14.79	1.32	15.53	1.35	16.28	1.37	16.65	1.38	17.77	1.42	18.52	1.44
	95.0	14.33	1.37	15.08	1.40	15.83	1.42	16.20	1.43	17.32	1.47	18.07	1.49
	104.0	13.58	1.46	14.33	1.49	15.07	1.51	15.45	1.52	16.57	1.55	17.31	1.58
	109.4	13.13	1.52	13.87	1.54	14.62	1.56	14.99	1.58	16.11	1.61	16.86	1.63
	114.8	9.11	0.98	9.51	0.98	9.89	0.98	10.08	0.98	10.63	0.98	10.98	0.98
CDXS15L	68.0	14.36	1.09	16.17	1.24	16.86	1.26	17.21	1.27	18.25	1.31	18.95	1.33
	77.0	14.36	1.23	15.46	1.31	16.16	1.33	16.51	1.35	17.55	1.38	18.25	1.41
	86.0	14.06	1.37	14.76	1.39	15.46	1.41	15.80	1.43	16.85	1.46	17.54	1.49
	89.6	13.78	1.40	14.48	1.42	15.17	1.45	15.52	1.46	16.57	1.50	17.26	1.52
	95.0	13.36	1.45	14.06	1.48	14.75	1.50	15.10	1.51	16.14	1.55	16.84	1.57
	104.0	12.66	1.54	13.35	1.57	14.05	1.59	14.40	1.60	15.44	1.64	16.14	1.66
	109.4	12.24	1.60	12.93	1.63	13.63	1.65	13.98	1.66	15.02	1.70	15.71	1.72
	114.8	8.36	0.98	8.72	0.98	9.06	0.98	9.23	0.98	9.73	0.98	10.05	0.98
FTXS18L	68.0	19.12	1.46	20.88	1.60	21.77	1.63	22.22	1.64	23.57	1.69	24.47	1.72
	77.0	19.07	1.66	19.97	1.69	20.87	1.72	21.32	1.74	22.66	1.78	23.56	1.82
	86.0	18.16	1.76	19.06	1.79	19.96	1.83	20.41	1.84	21.76	1.89	22.65	1.92
	89.6	17.80	1.81	18.70	1.84	19.60	1.87	20.04	1.88	21.39	1.93	22.29	1.96
	95.0	17.25	1.87	18.15	1.91	19.05	1.94	19.50	1.95	20.85	2.00	21.75	2.03
	104.0	16.35	1.99	17.24	2.03	18.14	2.06	18.59	2.07	19.94	2.12	20.84	2.15
	109.4	14.61	1.77	15.28	1.77	15.93	1.77	16.25	1.77	17.20	1.77	17.80	1.77
	114.8	9.34	0.98	9.71	0.98	10.07	0.98	10.24	0.98	10.76	0.98	11.10	0.98
CDXS18L	68.0	14.16	1.04	17.39	1.35	20.21	1.64	20.63	1.65	21.88	1.70	22.71	1.73
	77.0	14.16	1.17	17.39	1.53	19.37	1.73	19.79	1.75	21.04	1.79	21.87	1.83
	86.0	14.16	1.33	17.39	1.75	18.53	1.83	18.94	1.85	20.19	1.90	21.03	1.93
	89.6	14.16	1.40	17.35	1.85	18.19	1.88	18.61	1.89	19.86	1.94	20.69	1.97
	95.0	14.16	1.52	16.85	1.92	17.68	1.95	18.10	1.96	19.35	2.01	20.18	2.04
	104.0	14.16	1.77	16.01	2.04	16.84	2.07	17.26	2.08	18.51	2.13	19.34	2.16
	109.4	13.61	1.77	14.24	1.77	14.85	1.77	15.15	1.77	16.04	1.77	16.61	1.77
	114.8	8.82	0.98	9.17	0.98	9.51	0.98	9.67	0.98	10.16	0.98	10.48	0.98
CTXS07L + CTXS07L	68.0	17.01	1.05	17.77	1.07	18.54	1.09	18.92	1.10	20.07	1.14	20.83	1.16
	77.0	16.23	1.12	17.00	1.14	17.76	1.16	18.15	1.17	19.29	1.20	20.06	1.22
	86.0	15.46	1.18	16.23	1.21	16.99	1.23	17.37	1.24	18.52	1.27	19.28	1.29
	89.6	15.15	1.21	15.92	1.23	16.68	1.26	17.06	1.27	18.21	1.30	18.98	1.32
	95.0	14.69	1.26	15.45	1.28	16.22	1.30	16.60	1.31	17.75	1.34	18.51	1.36
	104.0	13.92	1.34	14.68	1.36	15.44	1.38	15.83	1.39	16.97	1.42	17.74	1.44
	109.4	13.45	1.39	14.22	1.41	14.98	1.43	15.36	1.44	16.51	1.47	17.28	1.50
	114.8	9.79	0.98	10.22	0.98	10.63	0.98	10.84	0.98	11.44	0.98	11.83	0.98
CTXS07L + CTXS09H	68.0	18.65	1.19	19.48	1.21	20.32	1.24	20.74	1.25	22.00	1.28	22.84	1.31
	77.0	17.80	1.26	18.64	1.28	19.48	1.31	19.89	1.32	21.15	1.35	21.99	1.38
	86.0	16.95	1.34	17.79	1.36	18.63	1.39	19.05	1.40	20.31	1.43	21.14	1.46
	89.6	16.61	1.37	17.45	1.39	18.29	1.42	18.71	1.43	19.97	1.47	20.80	1.49
	95.0	16.10	1.42	16.94	1.45	17.78	1.47	18.20	1.48	19.46	1.52	20.30	1.54
	104.0	15.26	1.51	16.09	1.54	16.93	1.56	17.35	1.57	18.61	1.61	19.45	1.63
	109.4	14.75	1.57	15.59	1.59	16.42	1.62	16.84	1.63	18.10	1.67	18.94	1.69
	114.8	9.90	0.98	10.32	0.98	10.74	0.98	10.94	0.98	11.53	0.98	11.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L	68.0	17.01	1.14	17.77	1.16	18.54	1.19	18.92	1.20	20.07	1.23	20.83	1.25
	77.0	16.23	1.21	17.00	1.23	17.76	1.25	18.15	1.27	19.29	1.30	20.06	1.32
	86.0	15.46	1.28	16.23	1.31	16.99	1.33	17.37	1.34	18.52	1.37	19.28	1.40
	89.6	15.15	1.32	15.92	1.34	16.68	1.36	17.06	1.37	18.21	1.41	18.98	1.43
	95.0	14.69	1.36	15.45	1.39	16.22	1.41	16.60	1.42	17.75	1.46	18.51	1.48
	104.0	13.92	1.45	14.68	1.47	15.44	1.50	15.83	1.51	16.97	1.54	17.74	1.57
	109.4	13.45	1.51	14.22	1.53	14.98	1.55	15.36	1.56	16.51	1.60	17.28	1.62
	114.8	9.34	0.98	9.75	0.98	10.14	0.98	10.33	0.98	10.90	0.98	11.26	0.98
CTXS07L + CTXS12H	68.0	21.82	1.53	22.80	1.56	23.78	1.59	24.28	1.60	25.75	1.65	26.73	1.68
	77.0	20.83	1.62	21.81	1.65	22.79	1.68	23.28	1.69	24.76	1.74	25.74	1.77
	86.0	19.84	1.72	20.82	1.75	21.80	1.78	22.29	1.79	23.76	1.84	24.75	1.87
	89.6	19.44	1.76	20.42	1.79	21.40	1.82	21.90	1.84	23.37	1.88	24.35	1.91
	95.0	18.85	1.83	19.83	1.86	20.81	1.89	21.30	1.90	22.77	1.95	23.75	1.98
	104.0	17.85	1.94	18.84	1.97	19.82	2.00	20.31	2.02	21.78	2.06	22.76	2.09
	109.4	16.06	1.77	16.79	1.77	17.51	1.77	17.86	1.77	18.89	1.77	19.55	1.77
	114.8	10.07	0.98	10.48	0.98	10.87	0.98	11.07	0.98	11.63	0.98	12.00	0.98
CTXS07L + FDXS12L	68.0	20.29	1.51	21.20	1.54	22.11	1.57	22.57	1.58	23.93	1.63	24.85	1.66
	77.0	19.36	1.60	20.28	1.63	21.19	1.66	21.64	1.68	23.01	1.72	23.92	1.75
	86.0	18.44	1.70	19.35	1.73	20.27	1.76	20.72	1.77	22.09	1.82	23.00	1.85
	89.6	18.07	1.74	18.98	1.77	19.90	1.80	20.35	1.82	21.72	1.86	22.63	1.89
	95.0	17.52	1.81	18.43	1.84	19.34	1.87	19.80	1.88	21.17	1.93	22.08	1.96
	104.0	16.60	1.92	17.51	1.95	18.42	1.98	18.88	2.00	20.25	2.04	21.16	2.07
	109.4	15.06	1.77	15.76	1.77	16.43	1.77	16.77	1.77	17.74	1.77	18.37	1.77
	114.8	9.55	0.98	9.94	0.98	10.31	0.98	10.49	0.98	11.03	0.98	11.38	0.98
CTXS07L + FTXS15L	68.0	26.74	2.22	27.94	2.26	29.14	2.30	29.75	2.33	31.55	2.39	32.75	2.44
	77.0	25.52	2.35	26.73	2.39	27.93	2.44	28.53	2.46	30.33	2.53	31.54	2.57
	86.0	24.31	2.50	25.51	2.54	26.71	2.58	27.32	2.61	29.12	2.67	30.32	2.72
	89.6	23.82	2.56	25.03	2.60	26.23	2.64	26.83	2.67	28.63	2.73	29.84	2.78
	95.0	23.09	2.65	24.30	2.70	25.50	2.74	26.10	2.76	27.90	2.83	29.11	2.87
	104.0	21.22	2.56	22.22	2.56	23.20	2.56	23.67	2.56	25.08	2.56	25.99	2.56
	109.4	16.99	1.77	17.68	1.77	18.35	1.77	18.68	1.77	19.65	1.77	20.28	1.77
	114.8	10.76	0.98	11.13	0.98	11.50	0.98	11.69	0.98	12.22	0.98	12.57	0.98
CTXS07L + CDXS15L	68.0	23.97	1.90	25.05	1.93	26.13	1.97	26.67	1.99	28.29	2.05	29.36	2.08
	77.0	22.88	2.01	23.96	2.05	25.04	2.08	25.58	2.10	27.20	2.16	28.27	2.20
	86.0	21.79	2.13	22.87	2.17	23.95	2.21	24.49	2.23	26.11	2.28	27.18	2.32
	89.6	21.36	2.19	22.44	2.22	23.51	2.26	24.05	2.28	25.67	2.34	26.75	2.37
	95.0	20.70	2.27	21.78	2.31	22.86	2.34	23.40	2.36	25.02	2.42	26.10	2.46
	104.0	19.62	2.41	20.69	2.45	21.77	2.49	22.31	2.51	23.91	2.56	24.82	2.56
	109.4	16.07	1.77	16.76	1.77	17.43	1.77	17.77	1.77	18.74	1.77	19.36	1.77
	114.8	10.19	0.98	10.57	0.98	10.94	0.98	11.12	0.98	11.66	0.98	12.00	0.98
CTXS07L + FTXS18L	68.0	27.25	2.27	28.48	2.32	29.70	2.36	30.32	2.39	32.15	2.45	33.38	2.50
	77.0	26.01	2.41	27.24	2.45	28.46	2.50	29.08	2.52	30.92	2.59	32.14	2.64
	86.0	24.77	2.56	26.00	2.60	27.23	2.65	27.84	2.67	29.68	2.74	30.90	2.78
	89.6	24.28	2.62	25.50	2.67	26.73	2.71	27.34	2.73	29.18	2.80	30.41	2.85
	95.0	23.54	2.72	24.76	2.77	25.99	2.81	26.60	2.83	28.44	2.90	29.66	2.95
	104.0	21.47	2.56	22.47	2.56	23.45	2.56	23.93	2.56	25.34	2.56	26.26	2.56
	109.4	17.18	1.77	17.87	1.77	18.54	1.77	18.87	1.77	19.84	1.77	20.47	1.77
	114.8	10.87	0.98	11.25	0.98	11.62	0.98	11.80	0.98	12.34	0.98	12.69	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CDXS18L	68.0	24.28	1.94	25.37	1.97	26.46	2.01	27.01	2.03	28.65	2.09	29.74	2.13
	77.0	23.18	2.05	24.27	2.09	25.36	2.13	25.91	2.15	27.54	2.21	28.64	2.24
	86.0	22.07	2.18	23.17	2.22	24.26	2.26	24.80	2.28	26.44	2.33	27.53	2.37
	89.6	21.63	2.23	22.72	2.27	23.82	2.31	24.36	2.33	26.00	2.39	27.09	2.43
	95.0	20.97	2.32	22.06	2.35	23.15	2.39	23.70	2.41	25.34	2.47	26.43	2.51
	104.0	19.87	2.46	20.96	2.50	22.05	2.54	22.60	2.56	24.00	2.56	24.91	2.56
	109.4	16.16	1.77	16.84	1.77	17.51	1.77	17.84	1.77	18.81	1.77	19.44	1.77
	114.8	10.24	0.98	10.62	0.98	10.99	0.98	11.17	0.98	11.71	0.98	12.05	0.98
CTXS09H + CTXS09H	68.0	20.29	1.33	21.20	1.36	22.11	1.39	22.57	1.40	23.93	1.44	24.85	1.47
	77.0	19.36	1.41	20.28	1.44	21.19	1.47	21.64	1.48	23.01	1.52	23.92	1.55
	86.0	18.44	1.50	19.35	1.53	20.27	1.55	20.72	1.57	22.09	1.61	23.00	1.63
	89.6	18.07	1.54	18.98	1.56	19.90	1.59	20.35	1.60	21.72	1.64	22.63	1.67
	95.0	17.52	1.60	18.43	1.62	19.34	1.65	19.80	1.66	21.17	1.70	22.08	1.73
	104.0	16.60	1.70	17.51	1.72	18.42	1.75	18.88	1.76	20.25	1.80	21.16	1.83
	109.4	16.04	1.76	16.86	1.77	17.60	1.77	17.97	1.77	19.03	1.77	19.72	1.77
	114.8	10.04	0.98	10.46	0.98	10.87	0.98	11.07	0.98	11.66	0.98	12.03	0.98
CTXS09H + FDXS09L	68.0	18.65	1.32	19.48	1.34	20.32	1.37	20.74	1.38	22.00	1.42	22.84	1.45
	77.0	17.80	1.40	18.64	1.42	19.48	1.45	19.89	1.46	21.15	1.50	21.99	1.53
	86.0	16.95	1.48	17.79	1.51	18.63	1.54	19.05	1.55	20.31	1.59	21.14	1.61
	89.6	16.61	1.52	17.45	1.55	18.29	1.57	18.71	1.58	19.97	1.62	20.80	1.65
	95.0	16.10	1.58	16.94	1.60	17.78	1.63	18.20	1.64	19.46	1.68	20.30	1.71
	104.0	15.26	1.68	16.09	1.70	16.93	1.73	17.35	1.74	18.61	1.78	19.45	1.81
	109.4	14.75	1.74	15.59	1.77	16.31	1.77	16.65	1.77	17.65	1.77	18.30	1.77
	114.8	9.42	0.98	9.81	0.98	10.19	0.98	10.38	0.98	10.93	0.98	11.29	0.98
FDXS09L + FDXS09L	68.0	16.90	1.23	17.66	1.25	18.42	1.28	18.80	1.29	19.95	1.33	20.71	1.35
	77.0	16.14	1.30	16.90	1.33	17.66	1.35	18.04	1.36	19.18	1.40	19.94	1.42
	86.0	15.37	1.38	16.13	1.41	16.89	1.43	17.27	1.44	18.41	1.48	19.17	1.51
	89.6	15.06	1.42	15.82	1.44	16.58	1.47	16.96	1.48	18.10	1.52	18.86	1.54
	95.0	14.60	1.47	15.36	1.49	16.12	1.52	16.50	1.53	17.64	1.57	18.40	1.59
	104.0	13.83	1.56	14.59	1.59	15.35	1.61	15.73	1.63	16.87	1.66	17.63	1.69
	109.4	13.37	1.62	14.13	1.65	14.89	1.67	15.27	1.69	16.41	1.72	17.17	1.75
	114.8	8.95	0.98	9.33	0.98	9.70	0.98	9.88	0.98	10.42	0.98	10.76	0.98
CTXS09H + CTXS12H	68.0	23.36	1.73	24.41	1.77	25.46	1.80	25.98	1.82	27.56	1.87	28.61	1.91
	77.0	22.30	1.84	23.35	1.87	24.40	1.91	24.92	1.93	26.50	1.98	27.55	2.01
	86.0	21.24	1.95	22.29	1.99	23.34	2.02	23.86	2.04	25.44	2.09	26.49	2.13
	89.6	20.81	2.00	21.86	2.04	22.91	2.07	23.44	2.09	25.01	2.14	26.06	2.17
	95.0	20.17	2.08	21.22	2.11	22.27	2.15	22.80	2.16	24.38	2.21	25.43	2.25
	104.0	19.11	2.21	20.16	2.24	21.21	2.28	21.74	2.29	23.31	2.35	24.36	2.38
	109.4	16.17	1.77	16.88	1.77	17.58	1.77	17.92	1.77	18.92	1.77	19.57	1.77
	114.8	10.19	0.98	10.58	0.98	10.97	0.98	11.16	0.98	11.71	0.98	12.07	0.98
CTXS09H + FDXS12L	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
	114.8	9.74	0.98	10.11	0.98	10.48	0.98	10.66	0.98	11.18	0.98	11.53	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
	114.8	9.74	0.98	10.11	0.98	10.48	0.98	10.66	0.98	11.18	0.98	11.53	0.98
FDXS09L + FDXS12L	68.0	20.18	1.64	21.09	1.67	22.00	1.70	22.45	1.72	23.81	1.77	24.72	1.80
	77.0	19.27	1.74	20.17	1.77	21.08	1.80	21.53	1.82	22.90	1.87	23.80	1.90
	86.0	18.35	1.84	19.26	1.88	20.16	1.91	20.62	1.93	21.98	1.97	22.89	2.01
	89.6	17.98	1.89	18.89	1.92	19.80	1.95	20.25	1.97	21.61	2.02	22.52	2.05
	95.0	17.43	1.96	18.34	1.99	19.25	2.03	19.70	2.04	21.06	2.09	21.97	2.12
	104.0	16.51	2.09	17.42	2.12	18.33	2.15	18.78	2.17	20.14	2.22	21.05	2.25
	109.4	14.49	1.77	15.15	1.77	15.79	1.77	16.10	1.77	17.02	1.77	17.62	1.77
	114.8	9.30	0.98	9.66	0.98	10.01	0.98	10.18	0.98	10.69	0.98	11.02	0.98
CTXS09H + FTXS15L	68.0	26.64	2.17	27.84	2.21	29.03	2.25	29.63	2.28	31.43	2.34	32.63	2.38
	77.0	25.43	2.30	26.62	2.34	27.82	2.39	28.42	2.41	30.22	2.47	31.42	2.51
	86.0	24.22	2.44	25.41	2.48	26.61	2.53	27.21	2.55	29.01	2.61	30.21	2.66
	89.6	23.73	2.50	24.93	2.54	26.13	2.59	26.73	2.61	28.52	2.67	29.72	2.72
	95.0	23.01	2.59	24.20	2.64	25.40	2.68	26.00	2.70	27.80	2.77	28.99	2.81
	104.0	21.26	2.56	22.27	2.56	23.26	2.56	23.74	2.56	25.16	2.56	26.08	2.56
	109.4	16.99	1.77	17.69	1.77	18.36	1.77	18.70	1.77	19.67	1.77	20.31	1.77
	114.8	10.74	0.98	11.12	0.98	11.50	0.98	11.68	0.98	12.22	0.98	12.57	0.98
CTXS09H + CDXS15L	68.0	26.02	2.26	27.19	2.31	28.36	2.35	28.95	2.38	30.70	2.45	31.87	2.49
	77.0	24.84	2.40	26.01	2.45	27.18	2.49	27.77	2.51	29.52	2.58	30.69	2.63
	86.0	23.66	2.55	24.83	2.59	26.00	2.64	26.58	2.66	28.34	2.73	29.51	2.77
	89.6	23.18	2.61	24.35	2.66	25.52	2.70	26.11	2.72	27.86	2.79	29.04	2.84
	95.0	22.47	2.71	23.64	2.76	24.81	2.80	25.40	2.82	27.16	2.89	28.33	2.94
	104.0	20.60	2.56	21.57	2.56	22.51	2.56	22.98	2.56	24.34	2.56	25.23	2.56
	109.4	16.61	1.77	17.28	1.77	17.93	1.77	18.25	1.77	19.19	1.77	19.80	1.77
	114.8	10.57	0.98	10.94	0.98	11.30	0.98	11.48	0.98	11.99	0.98	12.33	0.98
FDXS09L + FTXS15L	68.0	25.10	2.09	26.23	2.13	27.36	2.17	27.92	2.19	29.62	2.25	30.74	2.30
	77.0	23.96	2.21	25.09	2.26	26.22	2.30	26.78	2.32	28.47	2.38	29.60	2.42
	86.0	22.82	2.35	23.95	2.39	25.08	2.43	25.64	2.45	27.33	2.52	28.46	2.56
	89.6	22.36	2.41	23.49	2.45	24.62	2.49	25.18	2.51	26.88	2.57	28.01	2.62
	95.0	21.68	2.50	22.81	2.54	23.94	2.58	24.50	2.60	26.19	2.67	27.32	2.71
	104.0	20.29	2.56	21.28	2.56	22.24	2.56	22.71	2.56	24.09	2.56	24.99	2.56
	109.4	16.33	1.77	17.01	1.77	17.67	1.77	17.99	1.77	18.94	1.77	19.56	1.77
	114.8	10.38	0.98	10.75	0.98	11.11	0.98	11.29	0.98	11.82	0.98	12.16	0.98
FDXS09L + CDXS15L	68.0	24.49	2.22	25.59	2.27	26.69	2.31	27.24	2.34	28.89	2.40	29.99	2.45
	77.0	23.37	2.36	24.47	2.40	25.58	2.45	26.13	2.47	27.78	2.54	28.88	2.58
	86.0	22.26	2.50	23.36	2.55	24.46	2.59	25.01	2.61	26.66	2.68	27.77	2.73
	89.6	21.81	2.57	22.92	2.61	24.02	2.65	24.57	2.68	26.22	2.74	27.32	2.79
	95.0	21.15	2.66	22.25	2.71	23.35	2.75	23.90	2.77	25.55	2.84	26.65	2.88
	104.0	19.53	2.56	20.47	2.56	21.38	2.56	21.83	2.56	23.14	2.56	24.00	2.56
	109.4	15.91	1.77	16.55	1.77	17.18	1.77	17.49	1.77	18.39	1.77	18.98	1.77
	114.8	10.20	0.98	10.55	0.98	10.90	0.98	11.07	0.98	11.57	0.98	11.89	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS18L	68.0	27.76	2.43	29.01	2.47	30.26	2.52	30.89	2.55	32.76	2.62	34.01	2.67
	77.0	26.50	2.57	27.75	2.62	29.00	2.67	29.62	2.69	31.50	2.76	32.75	2.81
	86.0	25.24	2.73	26.49	2.78	27.74	2.83	28.36	2.85	30.23	2.92	31.48	2.97
	89.6	24.74	2.80	25.98	2.85	27.23	2.89	27.86	2.92	29.73	2.99	30.98	3.04
	95.0	23.98	2.90	25.23	2.95	26.48	3.00	27.10	3.02	28.97	3.10	30.22	3.14
	104.0	21.60	2.56	22.58	2.56	23.54	2.56	24.01	2.56	25.40	2.56	26.30	2.56
	109.4	17.34	1.77	18.01	1.77	18.67	1.77	19.00	1.77	19.95	1.77	20.57	1.77
	114.8	10.99	0.98	11.37	0.98	11.73	0.98	11.91	0.98	12.44	0.98	12.78	0.98
CTXS09H + CDXS18L	68.0	27.05	2.51	28.26	2.56	29.48	2.61	30.09	2.63	31.91	2.71	33.13	2.76
	77.0	25.82	2.66	27.03	2.71	28.25	2.76	28.86	2.78	30.68	2.86	31.90	2.91
	86.0	24.59	2.82	25.80	2.87	27.02	2.92	27.63	2.95	29.45	3.02	30.67	3.07
	89.6	24.10	2.89	25.31	2.94	26.53	2.99	27.14	3.01	28.96	3.09	30.18	3.14
	95.0	23.36	3.00	24.58	3.05	25.79	3.10	26.40	3.12	28.22	3.20	29.44	3.25
	104.0	21.06	2.56	22.01	2.56	22.94	2.56	23.39	2.56	24.73	2.56	25.60	2.56
	109.4	17.03	1.77	17.68	1.77	18.32	1.77	18.63	1.77	19.56	1.77	20.16	1.77
	114.8	10.86	0.98	11.22	0.98	11.57	0.98	11.74	0.98	12.25	0.98	12.58	0.98
FDXS09L + FTXS18L	68.0	27.35	2.64	28.58	2.69	29.81	2.75	30.43	2.77	32.27	2.85	33.50	2.91
	77.0	26.11	2.80	27.34	2.85	28.57	2.91	29.19	2.93	31.03	3.01	32.26	3.06
	86.0	24.87	2.97	26.10	3.03	27.33	3.08	27.94	3.11	29.79	3.18	31.02	3.24
	89.6	24.37	3.05	25.60	3.10	26.83	3.15	27.45	3.18	29.29	3.26	30.52	3.31
	95.0	23.62	3.16	24.85	3.21	26.08	3.27	26.70	3.29	28.55	3.37	29.78	3.43
	104.0	21.24	2.56	22.18	2.56	23.09	2.56	23.54	2.56	24.87	2.56	25.73	2.56
	109.4	17.22	1.77	17.86	1.77	18.49	1.77	18.80	1.77	19.71	1.77	20.30	1.77
	114.8	10.99	0.98	11.35	0.98	11.70	0.98	11.87	0.98	12.37	0.98	12.70	0.98
FDXS09L + CDXS18L	68.0	25.44	2.52	27.84	2.83	29.03	2.89	29.63	2.92	31.43	3.00	32.63	3.06
	77.0	25.43	2.95	26.62	3.00	27.82	3.06	28.42	3.08	30.22	3.17	31.42	3.22
	86.0	24.22	3.13	25.41	3.18	26.61	3.24	27.21	3.27	29.01	3.35	30.21	3.40
	89.6	23.73	3.21	24.93	3.26	26.13	3.32	26.73	3.34	28.52	3.43	29.72	3.48
	95.0	23.01	3.33	24.20	3.38	25.40	3.44	26.00	3.46	27.80	3.55	28.99	3.60
	104.0	20.89	2.56	21.79	2.56	22.67	2.56	23.11	2.56	24.38	2.56	25.22	2.56
	109.4	17.06	1.77	17.68	1.77	18.28	1.77	18.58	1.77	19.46	1.77	20.03	1.77
	114.8	10.95	0.98	11.29	0.98	11.63	0.98	11.79	0.98	12.28	0.98	12.60	0.98
CTXS12H + CTXS12H	68.0	26.74	2.44	27.94	2.49	29.14	2.54	29.75	2.56	31.55	2.64	32.75	2.68
	77.0	25.52	2.59	26.73	2.64	27.93	2.69	28.53	2.71	30.33	2.78	31.54	2.83
	86.0	24.31	2.75	25.51	2.80	26.71	2.85	27.32	2.87	29.12	2.94	30.32	2.99
	89.6	23.82	2.82	25.03	2.86	26.23	2.91	26.83	2.94	28.63	3.01	29.84	3.06
	95.0	23.09	2.92	24.30	2.97	25.50	3.02	26.10	3.04	27.90	3.12	29.11	3.16
	104.0	20.89	2.56	21.84	2.56	22.77	2.56	23.23	2.56	24.58	2.56	25.45	2.56
	109.4	16.89	1.77	17.54	1.77	18.18	1.77	18.50	1.77	19.43	1.77	20.03	1.77
	114.8	10.77	0.98	11.13	0.98	11.48	0.98	11.66	0.98	12.17	0.98	12.50	0.98
FDXS12L + CTXS12H	68.0	25.20	2.40	26.34	2.45	27.47	2.50	28.04	2.52	29.74	2.59	30.87	2.64
	77.0	24.06	2.55	25.19	2.59	26.32	2.64	26.89	2.67	28.59	2.74	29.72	2.78
	86.0	22.91	2.70	24.05	2.75	25.18	2.80	25.75	2.82	27.45	2.89	28.58	2.94
	89.6	22.45	2.77	23.59	2.82	24.72	2.87	25.29	2.89	26.99	2.96	28.12	3.01
	95.0	21.77	2.87	22.90	2.92	24.03	2.97	24.60	2.99	26.30	3.06	27.43	3.11
	104.0	19.87	2.56	20.79	2.56	21.69	2.56	22.13	2.56	23.43	2.56	24.27	2.56
	109.4	16.21	1.77	16.84	1.77	17.46	1.77	17.77	1.77	18.66	1.77	19.24	1.77
	114.8	10.41	0.98	10.75	0.98	11.09	0.98	11.26	0.98	11.76	0.98	12.08	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS12L + FDXS12L	68.0	22.56	2.12	24.62	2.35	25.68	2.40	26.21	2.42	27.80	2.49	28.86	2.53
	77.0	22.49	2.44	23.55	2.49	24.61	2.54	25.14	2.56	26.73	2.63	27.79	2.67
	86.0	21.42	2.59	22.48	2.64	23.54	2.69	24.07	2.71	25.66	2.78	26.72	2.82
	89.6	20.99	2.66	22.05	2.70	23.11	2.75	23.64	2.77	25.23	2.84	26.29	2.89
	95.0	20.35	2.76	21.41	2.80	22.47	2.85	23.00	2.87	24.59	2.94	25.65	2.99
	104.0	18.78	2.56	19.67	2.56	20.54	2.56	20.97	2.56	22.23	2.56	23.05	2.56
	109.4	15.46	1.77	16.07	1.77	16.67	1.77	16.97	1.77	17.84	1.77	18.40	1.77
	114.8	9.99	0.98	10.33	0.98	10.66	0.98	10.82	0.98	11.30	0.98	11.61	0.98
CTXS12H + FTXS15L	68.0	27.87	2.47	29.12	2.52	30.37	2.57	31.00	2.60	32.88	2.67	34.13	2.72
	77.0	26.60	2.62	27.85	2.67	29.11	2.72	29.73	2.75	31.61	2.82	32.87	2.87
	86.0	25.33	2.78	26.59	2.83	27.84	2.88	28.47	2.91	30.35	2.98	31.60	3.03
	89.6	24.83	2.85	26.08	2.90	27.33	2.95	27.96	2.98	29.84	3.05	31.09	3.10
	95.0	24.07	2.96	25.32	3.01	26.57	3.06	27.20	3.08	29.08	3.16	30.33	3.21
	104.0	21.62	2.56	22.60	2.56	23.55	2.56	24.02	2.56	25.40	2.56	26.29	2.56
	109.4	17.38	1.77	18.05	1.77	18.70	1.77	19.03	1.77	19.97	1.77	20.59	1.77
	114.8	11.03	0.98	11.40	0.98	11.76	0.98	11.94	0.98	12.46	0.98	12.80	0.98
CTXS12H + CDXS15L	68.0	27.15	2.56	28.37	2.61	29.59	2.66	30.20	2.69	32.03	2.77	33.25	2.82
	77.0	25.92	2.72	27.14	2.77	28.36	2.82	28.97	2.84	30.80	2.92	32.02	2.97
	86.0	24.68	2.88	25.90	2.93	27.12	2.99	27.73	3.01	29.57	3.09	30.79	3.14
	89.6	24.19	2.95	25.41	3.01	26.63	3.06	27.24	3.08	29.07	3.16	30.29	3.21
	95.0	23.45	3.07	24.67	3.12	25.89	3.17	26.50	3.19	28.33	3.27	29.55	3.32
	104.0	21.11	2.56	22.05	2.56	22.97	2.56	23.43	2.56	24.76	2.56	25.62	2.56
	109.4	17.09	1.77	17.74	1.77	18.37	1.77	18.68	1.77	19.60	1.77	20.20	1.77
	114.8	10.91	0.98	11.26	0.98	11.61	0.98	11.78	0.98	12.29	0.98	12.62	0.98
FDXS12L + FTXS15L	68.0	27.05	2.59	28.26	2.64	29.48	2.69	30.09	2.71	31.91	2.79	33.13	2.84
	77.0	25.82	2.74	27.03	2.79	28.25	2.84	28.86	2.87	30.68	2.95	31.90	3.00
	86.0	24.59	2.91	25.80	2.96	27.02	3.01	27.63	3.04	29.45	3.12	30.67	3.17
	89.6	24.10	2.98	25.31	3.03	26.53	3.09	27.14	3.11	28.96	3.19	30.18	3.24
	95.0	23.36	3.09	24.58	3.15	25.79	3.20	26.40	3.22	28.22	3.30	29.44	3.35
	104.0	21.04	2.56	21.98	2.56	22.89	2.56	23.34	2.56	24.67	2.56	25.53	2.56
	109.4	17.06	1.77	17.70	1.77	18.33	1.77	18.64	1.77	19.55	1.77	20.15	1.77
	114.8	10.90	0.98	11.25	0.98	11.60	0.98	11.77	0.98	12.27	0.98	12.60	0.98
FDXS12L + CDXS15L	68.0	25.64	2.52	27.51	2.72	28.70	2.77	29.29	2.80	31.07	2.88	32.25	2.93
	77.0	25.13	2.83	26.32	2.88	27.50	2.93	28.09	2.96	29.87	3.04	31.05	3.09
	86.0	23.94	3.00	25.12	3.05	26.30	3.11	26.90	3.13	28.67	3.21	29.86	3.27
	89.6	23.46	3.08	24.64	3.13	25.83	3.18	26.42	3.21	28.19	3.29	29.38	3.34
	95.0	22.74	3.19	23.92	3.24	25.11	3.30	25.70	3.32	27.48	3.40	28.66	3.46
	104.0	20.62	2.56	21.52	2.56	22.41	2.56	22.85	2.56	24.13	2.56	24.97	2.56
	109.4	16.82	1.77	17.45	1.77	18.06	1.77	18.36	1.77	19.25	1.77	19.82	1.77
	114.8	10.80	0.98	11.14	0.98	11.48	0.98	11.65	0.98	12.13	0.98	12.45	0.98
CTXS12H + FTXS18L	68.0	28.99	2.85	30.30	2.91	31.60	2.96	32.25	2.99	34.21	3.08	35.51	3.13
	77.0	27.68	3.02	28.98	3.08	30.28	3.14	30.94	3.16	32.89	3.25	34.20	3.31
	86.0	26.36	3.21	27.66	3.27	28.97	3.32	29.62	3.35	31.57	3.44	32.88	3.49
	89.6	25.83	3.29	27.13	3.35	28.44	3.40	29.09	3.43	31.05	3.52	32.35	3.57
	95.0	25.04	3.41	26.34	3.47	27.65	3.53	28.30	3.55	30.26	3.64	31.56	3.70
	104.0	22.33	2.56	23.28	2.56	24.20	2.56	24.66	2.56	26.00	2.56	26.87	2.56
	109.4	18.02	1.77	18.67	1.77	19.31	1.77	19.62	1.77	20.55	1.77	21.15	1.77
	114.8	11.47	0.98	11.83	0.98	12.18	0.98	12.35	0.98	12.86	0.98	13.20	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + CDXS18L	68.0	28.28	2.93	29.55	2.99	30.82	3.05	31.46	3.08	33.36	3.16	34.63	3.22
	77.0	26.99	3.11	28.26	3.17	29.53	3.22	30.17	3.25	32.08	3.34	33.35	3.40
	86.0	25.71	3.30	26.98	3.36	28.25	3.42	28.89	3.45	30.79	3.53	32.06	3.59
	89.6	25.19	3.38	26.46	3.44	27.74	3.50	28.37	3.53	30.28	3.61	31.55	3.67
	95.0	24.42	3.51	25.69	3.57	26.96	3.62	27.60	3.65	29.51	3.74	30.78	3.80
	104.0	22.01	2.56	22.93	2.56	23.83	2.56	24.27	2.56	25.58	2.56	26.43	2.56
	109.4	17.85	1.77	18.48	1.77	19.10	1.77	19.41	1.77	20.31	1.77	20.90	1.77
	114.8	11.41	0.98	11.75	0.98	12.10	0.98	12.27	0.98	12.76	0.98	13.09	0.98
FDXS12L + FTXS18L	68.0	28.07	2.91	29.33	2.97	30.60	3.03	31.23	3.06	33.12	3.15	34.38	3.21
	77.0	26.80	3.09	28.06	3.15	29.32	3.21	29.95	3.24	31.85	3.32	33.11	3.38
	86.0	25.52	3.28	26.78	3.34	28.04	3.40	28.68	3.43	30.57	3.51	31.83	3.57
	89.6	25.01	3.36	26.27	3.42	27.53	3.48	28.17	3.51	30.06	3.59	31.32	3.65
	95.0	24.24	3.49	25.51	3.55	26.77	3.60	27.40	3.63	29.29	3.72	30.56	3.78
	104.0	21.87	2.56	22.79	2.56	23.69	2.56	24.13	2.56	25.43	2.56	26.28	2.56
	109.4	17.76	1.77	18.39	1.77	19.01	1.77	19.31	1.77	20.21	1.77	20.79	1.77
	114.8	11.35	0.98	11.70	0.98	12.04	0.98	12.21	0.98	12.70	0.98	13.03	0.98
FDXS12L + CDXS18L	68.0	25.44	2.57	28.26	3.00	29.48	3.06	30.09	3.09	31.91	3.17	33.13	3.23
	77.0	25.44	3.01	27.03	3.17	28.25	3.23	28.86	3.26	30.68	3.35	31.90	3.41
	86.0	24.59	3.31	25.80	3.37	27.02	3.43	27.63	3.46	29.45	3.54	30.67	3.60
	89.6	24.10	3.39	25.31	3.45	26.53	3.51	27.14	3.54	28.96	3.62	30.18	3.68
	95.0	23.36	3.52	24.58	3.58	25.79	3.63	26.40	3.66	28.22	3.75	29.44	3.81
	104.0	21.33	2.56	22.22	2.56	23.10	2.56	23.53	2.56	24.80	2.56	25.62	2.56
	109.4	17.42	1.77	18.03	1.77	18.63	1.77	18.93	1.77	19.81	1.77	20.38	1.77
	114.8	11.18	0.98	11.52	0.98	11.85	0.98	12.02	0.98	12.50	0.98	12.82	0.98
FTXS15L + FTXS15L	68.0	29.10	2.55	30.40	2.60	31.71	2.66	32.37	2.68	34.33	2.76	35.64	2.81
	77.0	27.77	2.71	29.08	2.76	30.39	2.81	31.04	2.83	33.01	2.91	34.32	2.96
	86.0	26.45	2.87	27.76	2.93	29.07	2.98	29.72	3.00	31.69	3.08	32.99	3.13
	89.6	25.92	2.95	27.23	3.00	28.54	3.05	29.19	3.07	31.16	3.15	32.46	3.20
	95.0	25.13	3.06	26.44	3.11	27.75	3.16	28.40	3.18	30.36	3.26	31.67	3.31
	104.0	22.36	2.56	23.36	2.56	24.33	2.56	24.80	2.56	26.20	2.56	27.11	2.56
	109.4	17.90	1.77	18.58	1.77	19.24	1.77	19.57	1.77	20.54	1.77	21.17	1.77
	114.8	11.32	0.98	11.70	0.98	12.06	0.98	12.24	0.98	12.78	0.98	13.12	0.98
CDXS15L + FTXS15L	68.0	28.38	2.80	29.66	2.86	30.93	2.91	31.57	2.94	33.48	3.03	34.76	3.08
	77.0	27.09	2.97	28.37	3.03	29.64	3.08	30.28	3.11	32.19	3.19	33.47	3.25
	86.0	25.80	3.16	27.08	3.21	28.35	3.27	28.99	3.29	30.90	3.38	32.18	3.43
	89.6	25.28	3.23	26.56	3.29	27.84	3.34	28.47	3.37	30.39	3.46	31.66	3.51
	95.0	24.51	3.35	25.79	3.41	27.06	3.47	27.70	3.49	29.61	3.58	30.89	3.63
	104.0	21.94	2.56	22.88	2.56	23.79	2.56	24.24	2.56	25.57	2.56	26.44	2.56
	109.4	17.74	1.77	18.39	1.77	19.02	1.77	19.33	1.77	20.25	1.77	20.84	1.77
	114.8	11.31	0.98	11.67	0.98	12.02	0.98	12.19	0.98	12.69	0.98	13.02	0.98
CDXS15L + CDXS15L	68.0	27.66	2.73	28.91	2.78	30.15	2.84	30.77	2.87	32.64	2.95	33.88	3.00
	77.0	26.40	2.89	27.65	2.95	28.89	3.00	29.51	3.03	31.38	3.11	32.62	3.17
	86.0	25.15	3.07	26.39	3.13	27.64	3.18	28.26	3.21	30.12	3.29	31.37	3.35
	89.6	24.64	3.15	25.89	3.20	27.13	3.26	27.75	3.29	29.62	3.37	30.86	3.42
	95.0	23.89	3.27	25.13	3.32	26.38	3.38	27.00	3.40	28.87	3.49	30.11	3.54
	104.0	21.46	2.56	22.39	2.56	23.31	2.56	23.75	2.56	25.07	2.56	25.93	2.56
	109.4	17.40	1.77	18.04	1.77	18.67	1.77	18.98	1.77	19.89	1.77	20.48	1.77
	114.8	11.12	0.98	11.47	0.98	11.81	0.98	11.98	0.98	12.49	0.98	12.81	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS15L + FTXS18L	68.0	30.12	2.94	31.48	3.00	32.83	3.06	33.51	3.09	35.54	3.17	36.89	3.23
	77.0	28.75	3.12	30.11	3.17	31.46	3.23	32.14	3.26	34.17	3.35	35.52	3.41
	86.0	27.38	3.31	28.74	3.37	30.09	3.43	30.77	3.46	32.80	3.54	34.16	3.60
	89.6	26.84	3.39	28.19	3.45	29.54	3.51	30.22	3.54	32.25	3.62	33.61	3.68
	95.0	26.01	3.52	27.37	3.58	28.72	3.63	29.40	3.66	31.43	3.75	32.79	3.81
	104.0	23.05	2.56	24.01	2.56	24.95	2.56	25.41	2.56	26.77	2.56	27.66	2.56
	109.4	18.53	1.77	19.19	1.77	19.83	1.77	20.15	1.77	21.09	1.77	21.70	1.77
	114.8	11.76	0.98	12.12	0.98	12.48	0.98	12.65	0.98	13.17	0.98	13.51	0.98
FTXS15L + CDXS18L	68.0	29.20	2.91	30.51	2.97	31.82	3.03	32.48	3.06	34.45	3.15	35.76	3.21
	77.0	27.87	3.09	29.18	3.15	30.50	3.21	31.15	3.24	33.12	3.32	34.44	3.38
	86.0	26.54	3.28	27.86	3.34	29.17	3.40	29.83	3.43	31.80	3.51	33.11	3.57
	89.6	26.01	3.36	27.33	3.42	28.64	3.48	29.30	3.51	31.27	3.59	32.58	3.65
	95.0	25.22	3.49	26.53	3.55	27.84	3.60	28.50	3.63	30.47	3.72	31.78	3.78
	104.0	22.51	2.56	23.45	2.56	24.37	2.56	24.83	2.56	26.16	2.56	27.03	2.56
	109.4	18.17	1.77	18.81	1.77	19.45	1.77	19.76	1.77	20.68	1.77	21.28	1.77
	114.8	11.56	0.98	11.92	0.98	12.27	0.98	12.44	0.98	12.95	0.98	13.28	0.98
CDXS15L + FTXS18L	68.0	29.30	2.91	30.62	2.97	31.94	3.03	32.60	3.06	34.57	3.15	35.89	3.21
	77.0	27.97	3.09	29.29	3.15	30.60	3.21	31.26	3.24	33.24	3.32	34.56	3.38
	86.0	26.64	3.28	27.96	3.34	29.27	3.40	29.93	3.43	31.91	3.51	33.23	3.57
	89.6	26.10	3.36	27.42	3.42	28.74	3.48	29.40	3.51	31.38	3.59	32.69	3.65
	95.0	25.31	3.49	26.62	3.55	27.94	3.60	28.60	3.63	30.58	3.72	31.89	3.78
	104.0	22.57	2.56	23.51	2.56	24.43	2.56	24.89	2.56	26.23	2.56	27.10	2.56
	109.4	18.20	1.77	18.85	1.77	19.49	1.77	19.80	1.77	20.73	1.77	21.33	1.77
	114.8	11.58	0.98	11.94	0.98	12.29	0.98	12.46	0.98	12.97	0.98	13.31	0.98
CDXS15L + CDXS18L	68.0	28.48	2.94	29.76	3.00	31.04	3.06	31.68	3.09	33.60	3.17	34.89	3.23
	77.0	27.19	3.12	28.47	3.17	29.75	3.23	30.39	3.26	32.31	3.35	33.59	3.41
	86.0	25.89	3.31	27.17	3.37	28.45	3.43	29.09	3.46	31.02	3.54	32.30	3.60
	89.6	25.37	3.39	26.66	3.45	27.94	3.51	28.58	3.54	30.50	3.62	31.78	3.68
	95.0	24.60	3.52	25.88	3.58	27.16	3.63	27.80	3.66	29.72	3.75	31.00	3.81
	104.0	22.13	2.56	23.06	2.56	23.96	2.56	24.41	2.56	25.72	2.56	26.57	2.56
	109.4	17.94	1.77	18.57	1.77	19.19	1.77	19.50	1.77	20.40	1.77	20.99	1.77
	114.8	11.45	0.98	11.80	0.98	12.15	0.98	12.31	0.98	12.81	0.98	13.14	0.98
FTXS18L + FTXS18L	68.0	30.12	2.89	31.48	2.95	32.83	3.01	33.51	3.03	35.54	3.12	36.89	3.18
	77.0	28.75	3.06	30.11	3.12	31.46	3.18	32.14	3.21	34.17	3.30	35.52	3.35
	86.0	27.38	3.25	28.74	3.31	30.09	3.37	30.77	3.40	32.80	3.48	34.16	3.54
	89.6	26.84	3.33	28.19	3.39	29.54	3.45	30.22	3.48	32.25	3.57	33.61	3.62
	95.0	26.01	3.46	27.37	3.52	28.72	3.58	29.40	3.60	31.43	3.69	32.79	3.75
	104.0	23.01	2.56	23.97	2.56	24.92	2.56	25.38	2.56	26.75	2.56	27.64	2.56
	109.4	18.48	1.77	19.14	1.77	19.79	1.77	20.11	1.77	21.05	1.77	21.67	1.77
	114.8	11.72	0.98	12.08	0.98	12.44	0.98	12.62	0.98	13.14	0.98	13.48	0.98
CDXS18L + FTXS18L	68.0	29.30	2.91	30.62	2.97	31.94	3.03	32.60	3.06	34.57	3.15	35.89	3.21
	77.0	27.97	3.09	29.29	3.15	30.60	3.21	31.26	3.24	33.24	3.32	34.56	3.38
	86.0	26.64	3.28	27.96	3.34	29.27	3.40	29.93	3.43	31.91	3.51	33.23	3.57
	89.6	26.10	3.36	27.42	3.42	28.74	3.48	29.40	3.51	31.38	3.59	32.69	3.65
	95.0	25.31	3.49	26.62	3.55	27.94	3.60	28.60	3.63	30.58	3.72	31.89	3.78
	104.0	22.57	2.56	23.51	2.56	24.43	2.56	24.89	2.56	26.23	2.56	27.10	2.56
	109.4	18.20	1.77	18.85	1.77	19.49	1.77	19.80	1.77	20.73	1.77	21.33	1.77
	114.8	11.58	0.98	11.94	0.98	12.29	0.98	12.46	0.98	12.97	0.98	13.31	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CDXS18L + CDXS18L	68.0	28.32	2.90	29.76	3.00	31.04	3.06	31.68	3.09	33.60	3.17	34.89	3.23
	77.0	27.19	3.12	28.47	3.17	29.75	3.23	30.39	3.26	32.31	3.35	33.59	3.41
	86.0	25.89	3.31	27.17	3.37	28.45	3.43	29.09	3.46	31.02	3.54	32.30	3.60
	89.6	25.37	3.39	26.66	3.45	27.94	3.51	28.58	3.54	30.50	3.62	31.78	3.68
	95.0	24.60	3.52	25.88	3.58	27.16	3.63	27.80	3.66	29.72	3.75	31.00	3.81
	104.0	22.13	2.56	23.06	2.56	23.96	2.56	24.41	2.56	25.72	2.56	26.57	2.56
	109.4	17.94	1.77	18.57	1.77	19.19	1.77	19.50	1.77	20.40	1.77	20.99	1.77
	114.8	11.45	0.98	11.80	0.98	12.15	0.98	12.31	0.98	12.81	0.98	13.14	0.98
CTXS07L + CTXS07L + CTXS07L	68.0	24.59	1.53	25.69	1.56	26.80	1.59	27.35	1.61	29.01	1.66	30.12	1.69
	77.0	23.47	1.63	24.58	1.66	25.68	1.69	26.24	1.70	27.89	1.75	29.00	1.78
	86.0	22.35	1.73	23.46	1.76	24.56	1.79	25.12	1.80	26.78	1.85	27.88	1.88
	89.6	21.91	1.77	23.01	1.80	24.12	1.83	24.67	1.85	26.33	1.89	27.43	1.92
	95.0	21.24	1.84	22.34	1.87	23.45	1.90	24.00	1.91	25.66	1.96	26.76	1.99
	104.0	20.12	1.95	21.22	1.98	22.33	2.01	22.88	2.03	24.54	2.08	25.65	2.11
	109.4	17.93	1.77	18.74	1.77	19.53	1.77	19.92	1.77	21.05	1.77	21.79	1.77
	114.8	11.04	0.98	11.49	0.98	11.92	0.98	12.14	0.98	12.76	0.98	13.17	0.98
CTXS07L + CTXS07L + CTXS09H	68.0	26.02	1.71	27.19	1.74	28.36	1.78	28.95	1.80	30.70	1.85	31.87	1.88
	77.0	24.84	1.81	26.01	1.85	27.18	1.88	27.77	1.90	29.52	1.95	30.69	1.98
	86.0	23.66	1.93	24.83	1.96	26.00	1.99	26.58	2.01	28.34	2.06	29.51	2.10
	89.6	23.18	1.97	24.35	2.01	25.52	2.04	26.11	2.06	27.86	2.11	29.04	2.14
	95.0	22.47	2.05	23.64	2.08	24.81	2.12	25.40	2.13	27.16	2.18	28.33	2.22
	104.0	21.29	2.18	22.46	2.21	23.63	2.25	24.22	2.26	25.97	2.31	27.14	2.35
	109.4	17.91	1.77	18.70	1.77	19.46	1.77	19.84	1.77	20.95	1.77	21.66	1.77
	114.8	11.08	0.98	11.52	0.98	11.94	0.98	12.15	0.98	12.76	0.98	13.15	0.98
CTXS07L + CTXS07L + FDXS09L	68.0	25.31	1.77	26.44	1.81	27.58	1.85	28.15	1.86	29.86	1.92	31.00	1.95
	77.0	24.16	1.88	25.29	1.92	26.43	1.95	27.00	1.97	28.71	2.02	29.85	2.06
	86.0	23.01	2.00	24.14	2.03	25.28	2.07	25.85	2.09	27.56	2.14	28.70	2.17
	89.6	22.55	2.05	23.68	2.08	24.82	2.12	25.39	2.14	27.10	2.19	28.23	2.22
	95.0	21.86	2.12	22.99	2.16	24.13	2.19	24.70	2.21	26.41	2.27	27.54	2.30
	104.0	20.70	2.26	21.84	2.30	22.98	2.33	23.55	2.35	25.26	2.40	26.39	2.44
	109.4	17.20	1.77	17.95	1.77	18.69	1.77	19.05	1.77	20.10	1.77	20.78	1.77
	114.8	10.74	0.98	11.15	0.98	11.55	0.98	11.75	0.98	12.33	0.98	12.71	0.98
CTXS07L + CTXS07L + CTXS12H	68.0	27.97	2.02	29.23	2.06	30.48	2.10	31.11	2.12	33.00	2.18	34.26	2.23
	77.0	26.70	2.15	27.96	2.19	29.21	2.23	29.84	2.25	31.73	2.31	32.99	2.35
	86.0	25.43	2.28	26.68	2.32	27.94	2.36	28.57	2.38	30.46	2.44	31.72	2.48
	89.6	24.92	2.33	26.18	2.37	27.43	2.41	28.06	2.44	29.95	2.50	31.21	2.54
	95.0	24.16	2.42	25.41	2.46	26.67	2.50	27.30	2.52	29.19	2.58	30.44	2.62
	104.0	22.82	2.56	23.92	2.56	24.98	2.56	25.50	2.56	27.03	2.56	28.03	2.56
	109.4	17.93	1.77	18.68	1.77	19.41	1.77	19.77	1.77	20.83	1.77	21.51	1.77
	114.8	11.19	0.98	11.60	0.98	12.00	0.98	12.20	0.98	12.78	0.98	13.16	0.98
CTXS07L + CTXS07L + FDXS12L	68.0	27.25	2.09	28.48	2.13	29.70	2.17	30.32	2.19	32.15	2.25	33.38	2.30
	77.0	26.01	2.21	27.24	2.26	28.46	2.30	29.08	2.32	30.92	2.38	32.14	2.42
	86.0	24.77	2.35	26.00	2.39	27.23	2.43	27.84	2.45	29.68	2.52	30.90	2.56
	89.6	24.28	2.41	25.50	2.45	26.73	2.49	27.34	2.51	29.18	2.57	30.41	2.62
	95.0	23.54	2.50	24.76	2.54	25.99	2.58	26.60	2.60	28.44	2.67	29.66	2.71
	104.0	21.99	2.56	23.04	2.56	24.06	2.56	24.56	2.56	26.04	2.56	26.99	2.56
	109.4	17.42	1.77	18.14	1.77	18.85	1.77	19.19	1.77	20.21	1.77	20.87	1.77
	114.8	10.94	0.98	11.34	0.98	11.73	0.98	11.92	0.98	12.48	0.98	12.84	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FTXS15L	68.0	29.71	2.24	31.05	2.29	32.38	2.33	33.05	2.35	35.06	2.42	36.39	2.46
	77.0	28.36	2.38	29.70	2.42	31.03	2.46	31.70	2.49	33.70	2.55	35.04	2.60
	86.0	27.01	2.52	28.35	2.57	29.68	2.61	30.35	2.63	32.35	2.70	33.69	2.75
	89.6	26.47	2.58	27.81	2.63	29.14	2.67	29.81	2.70	31.81	2.76	33.15	2.81
	95.0	25.66	2.68	27.00	2.73	28.33	2.77	29.00	2.79	31.00	2.86	32.34	2.90
	104.0	23.35	2.56	24.43	2.56	25.48	2.56	26.00	2.56	27.51	2.56	28.49	2.56
	109.4	18.38	1.77	19.12	1.77	19.84	1.77	20.20	1.77	21.24	1.77	21.92	1.77
	114.8	11.48	0.98	11.89	0.98	12.28	0.98	12.48	0.98	13.06	0.98	13.43	0.98
CTXS07L + CTXS07L + CDXS15L	68.0	27.66	2.05	28.91	2.09	30.15	2.13	30.77	2.15	32.64	2.21	33.88	2.25
	77.0	26.40	2.17	27.65	2.21	28.89	2.25	29.51	2.27	31.38	2.33	32.62	2.37
	86.0	25.15	2.31	26.39	2.35	27.64	2.39	28.26	2.41	30.12	2.47	31.37	2.51
	89.6	24.64	2.36	25.89	2.40	27.13	2.44	27.75	2.46	29.62	2.53	30.86	2.57
	95.0	23.89	2.45	25.13	2.49	26.38	2.53	27.00	2.55	28.87	2.61	30.11	2.65
	104.0	22.47	2.56	23.54	2.56	24.59	2.56	25.11	2.56	26.61	2.56	27.59	2.56
	109.4	17.71	1.77	18.45	1.77	19.17	1.77	19.53	1.77	20.56	1.77	21.24	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.02	0.98
CTXS07L + CTXS07L + FTXS18L	68.0	30.12	2.34	31.48	2.39	32.83	2.44	33.51	2.46	35.54	2.53	36.89	2.58
	77.0	28.75	2.49	30.11	2.53	31.46	2.58	32.14	2.60	34.17	2.67	35.52	2.72
	86.0	27.38	2.64	28.74	2.69	30.09	2.73	30.77	2.76	32.80	2.83	34.16	2.87
	89.6	26.84	2.70	28.19	2.75	29.54	2.80	30.22	2.82	32.25	2.89	33.61	2.94
	95.0	26.01	2.81	27.37	2.85	28.72	2.90	29.40	2.92	31.43	2.99	32.79	3.04
	104.0	23.36	2.56	24.42	2.56	25.46	2.56	25.97	2.56	27.47	2.56	28.44	2.56
	109.4	18.43	1.77	19.16	1.77	19.88	1.77	20.23	1.77	21.26	1.77	21.93	1.77
	114.8	11.54	0.98	11.94	0.98	12.33	0.98	12.53	0.98	13.10	0.98	13.47	0.98
CTXS07L + CTXS07L + CDXS18L	68.0	28.17	2.14	29.44	2.18	30.71	2.22	31.34	2.24	33.24	2.31	34.51	2.35
	77.0	26.89	2.26	28.16	2.31	29.43	2.35	30.06	2.37	31.96	2.43	33.23	2.48
	86.0	25.61	2.40	26.88	2.45	28.15	2.49	28.78	2.51	30.68	2.57	31.95	2.62
	89.6	25.10	2.46	26.37	2.51	27.63	2.55	28.27	2.57	30.17	2.63	31.44	2.68
	95.0	24.33	2.56	25.60	2.60	26.87	2.64	27.50	2.66	29.40	2.73	30.67	2.77
	104.0	22.54	2.56	23.60	2.56	24.64	2.56	25.14	2.56	26.64	2.56	27.61	2.56
	109.4	17.80	1.77	18.53	1.77	19.24	1.77	19.59	1.77	20.62	1.77	21.29	1.77
	114.8	11.15	0.98	11.55	0.98	11.94	0.98	12.14	0.98	12.71	0.98	13.07	0.98
CTXS07L + CTXS09H + CTXS09H	68.0	27.46	1.94	28.69	1.97	29.93	2.01	30.54	2.03	32.40	2.09	33.63	2.13
	77.0	26.21	2.05	27.44	2.09	28.68	2.13	29.30	2.15	31.15	2.21	32.38	2.24
	86.0	24.96	2.18	26.20	2.22	27.43	2.26	28.05	2.28	29.90	2.33	31.13	2.37
	89.6	24.46	2.23	25.70	2.27	26.93	2.31	27.55	2.33	29.40	2.39	30.64	2.43
	95.0	23.71	2.32	24.95	2.35	26.18	2.39	26.80	2.41	28.65	2.47	29.89	2.51
	104.0	22.47	2.46	23.70	2.50	24.93	2.54	25.55	2.56	27.10	2.56	28.10	2.56
	109.4	17.90	1.77	18.66	1.77	19.40	1.77	19.76	1.77	20.83	1.77	21.52	1.77
	114.8	11.14	0.98	11.56	0.98	11.97	0.98	12.17	0.98	12.76	0.98	13.14	0.98
CTXS07L + CTXS09H + FDXS09L	68.0	26.74	2.00	27.94	2.04	29.14	2.08	29.75	2.10	31.55	2.16	32.75	2.20
	77.0	25.52	2.12	26.73	2.16	27.93	2.20	28.53	2.22	30.33	2.28	31.54	2.32
	86.0	24.31	2.25	25.51	2.29	26.71	2.33	27.32	2.35	29.12	2.41	30.32	2.45
	89.6	23.82	2.31	25.03	2.35	26.23	2.39	26.83	2.41	28.63	2.47	29.84	2.51
	95.0	23.09	2.39	24.30	2.43	25.50	2.47	26.10	2.49	27.90	2.55	29.11	2.59
	104.0	21.88	2.55	22.99	2.56	24.02	2.56	24.53	2.56	26.02	2.56	26.98	2.56
	109.4	17.34	1.77	18.07	1.77	18.78	1.77	19.13	1.77	20.15	1.77	20.82	1.77
	114.8	10.87	0.98	11.27	0.98	11.67	0.98	11.86	0.98	12.42	0.98	12.79	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FDXS09L	68.0	26.53	2.15	27.73	2.19	28.92	2.24	29.52	2.26	31.31	2.32	32.50	2.37
	77.0	25.33	2.28	26.52	2.32	27.72	2.37	28.31	2.39	30.10	2.45	31.30	2.50
	86.0	24.12	2.42	25.32	2.47	26.51	2.51	27.11	2.53	28.90	2.59	30.09	2.64
	89.6	23.64	2.48	24.83	2.53	26.03	2.57	26.62	2.59	28.41	2.65	29.61	2.70
	95.0	22.92	2.58	24.11	2.62	25.30	2.66	25.90	2.68	27.69	2.75	28.88	2.79
	104.0	21.23	2.56	22.24	2.56	23.22	2.56	23.71	2.56	25.13	2.56	26.05	2.56
	109.4	16.96	1.77	17.66	1.77	18.34	1.77	18.67	1.77	19.65	1.77	20.28	1.77
	114.8	10.72	0.98	11.10	0.98	11.48	0.98	11.66	0.98	12.20	0.98	12.55	0.98
CTXS07L + CTXS09H + CTXS12H	68.0	28.58	2.17	29.87	2.21	31.15	2.25	31.80	2.28	33.73	2.34	35.01	2.38
	77.0	27.28	2.30	28.57	2.34	29.86	2.39	30.50	2.41	32.43	2.47	33.71	2.51
	86.0	25.99	2.44	27.27	2.48	28.56	2.53	29.20	2.55	31.13	2.61	32.41	2.66
	89.6	25.47	2.50	26.75	2.54	28.04	2.59	28.68	2.61	30.61	2.67	31.89	2.72
	95.0	24.69	2.59	25.97	2.64	27.26	2.68	27.90	2.70	29.83	2.77	31.11	2.81
	104.0	22.74	2.56	23.80	2.56	24.84	2.56	25.36	2.56	26.85	2.56	27.82	2.56
	109.4	17.95	1.77	18.68	1.77	19.39	1.77	19.75	1.77	20.78	1.77	21.45	1.77
	114.8	11.24	0.98	11.64	0.98	12.03	0.98	12.23	0.98	12.80	0.98	13.16	0.98
CTXS07L + CTXS09H + FDXS12L	68.0	27.87	2.24	29.12	2.29	30.37	2.33	31.00	2.35	32.88	2.42	34.13	2.46
	77.0	26.60	2.38	27.85	2.42	29.11	2.46	29.73	2.49	31.61	2.55	32.87	2.60
	86.0	25.33	2.52	26.59	2.57	27.84	2.61	28.47	2.63	30.35	2.70	31.60	2.75
	89.6	24.83	2.58	26.08	2.63	27.33	2.67	27.96	2.70	29.84	2.76	31.09	2.81
	95.0	24.07	2.68	25.32	2.73	26.57	2.77	27.20	2.79	29.08	2.86	30.33	2.90
	104.0	21.99	2.56	23.02	2.56	24.02	2.56	24.51	2.56	25.96	2.56	26.89	2.56
	109.4	17.50	1.77	18.21	1.77	18.90	1.77	19.23	1.77	20.23	1.77	20.87	1.77
	114.8	11.03	0.98	11.41	0.98	11.79	0.98	11.98	0.98	12.53	0.98	12.89	0.98
CTXS07L + FDXS09L + CTXS12H	68.0	27.87	2.24	29.12	2.29	30.37	2.33	31.00	2.35	32.88	2.42	34.13	2.46
	77.0	26.60	2.38	27.85	2.42	29.11	2.46	29.73	2.49	31.61	2.55	32.87	2.60
	86.0	25.33	2.52	26.59	2.57	27.84	2.61	28.47	2.63	30.35	2.70	31.60	2.75
	89.6	24.83	2.58	26.08	2.63	27.33	2.67	27.96	2.70	29.84	2.76	31.09	2.81
	95.0	24.07	2.68	25.32	2.73	26.57	2.77	27.20	2.79	29.08	2.86	30.33	2.90
	104.0	21.99	2.56	23.02	2.56	24.02	2.56	24.51	2.56	25.96	2.56	26.89	2.56
	109.4	17.50	1.77	18.21	1.77	18.90	1.77	19.23	1.77	20.23	1.77	20.87	1.77
	114.8	11.03	0.98	11.41	0.98	11.79	0.98	11.98	0.98	12.53	0.98	12.89	0.98
CTXS07L + FDXS09L + FDXS12L	68.0	27.66	2.40	28.91	2.45	30.15	2.50	30.77	2.52	32.64	2.59	33.88	2.64
	77.0	26.40	2.55	27.65	2.59	28.89	2.64	29.51	2.67	31.38	2.74	32.62	2.78
	86.0	25.15	2.70	26.39	2.75	27.64	2.80	28.26	2.82	30.12	2.89	31.37	2.94
	89.6	24.64	2.77	25.89	2.82	27.13	2.87	27.75	2.89	29.62	2.96	30.86	3.01
	95.0	23.89	2.87	25.13	2.92	26.38	2.97	27.00	2.99	28.87	3.06	30.11	3.11
	104.0	21.56	2.56	22.54	2.56	23.50	2.56	23.97	2.56	25.36	2.56	26.26	2.56
	109.4	17.30	1.77	17.98	1.77	18.64	1.77	18.96	1.77	19.92	1.77	20.54	1.77
	114.8	10.97	0.98	11.34	0.98	11.70	0.98	11.88	0.98	12.41	0.98	12.76	0.98
CTXS07L + CTXS09H + FTXS15L	68.0	30.22	2.39	31.58	2.44	32.94	2.49	33.62	2.51	35.66	2.58	37.02	2.63
	77.0	28.85	2.54	30.21	2.58	31.57	2.63	32.25	2.66	34.29	2.73	35.65	2.78
	86.0	27.48	2.69	28.83	2.74	30.19	2.79	30.87	2.81	32.91	2.88	34.27	2.93
	89.6	26.93	2.76	28.29	2.81	29.64	2.86	30.32	2.88	32.36	2.95	33.72	3.00
	95.0	26.10	2.86	27.46	2.91	28.82	2.96	29.50	2.98	31.54	3.05	32.90	3.10
	104.0	23.33	2.56	24.38	2.56	25.41	2.56	25.92	2.56	27.40	2.56	28.36	2.56
	109.4	18.44	1.77	19.16	1.77	19.87	1.77	20.22	1.77	21.24	1.77	21.90	1.77
	114.8	11.55	0.98	11.95	0.98	12.34	0.98	12.53	0.98	13.10	0.98	13.47	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + CDXS15L	68.0	28.28	2.14	29.55	2.18	30.82	2.22	31.46	2.24	33.36	2.31	34.63	2.35
	77.0	26.99	2.26	28.26	2.31	29.53	2.35	30.17	2.37	32.08	2.43	33.35	2.48
	86.0	25.71	2.40	26.98	2.45	28.25	2.49	28.89	2.51	30.79	2.57	32.06	2.62
	89.6	25.19	2.46	26.46	2.51	27.74	2.55	28.37	2.57	30.28	2.63	31.55	2.68
	95.0	24.42	2.56	25.69	2.60	26.96	2.64	27.60	2.66	29.51	2.73	30.78	2.77
	104.0	22.61	2.56	23.68	2.56	24.72	2.56	25.23	2.56	26.73	2.56	27.70	2.56
	109.4	17.85	1.77	18.58	1.77	19.30	1.77	19.65	1.77	20.68	1.77	21.35	1.77
	114.8	11.18	0.98	11.58	0.98	11.97	0.98	12.17	0.98	12.74	0.98	13.11	0.98
CTXS07L + FDXS09L + FTXS15L	68.0	29.61	2.47	30.94	2.51	32.27	2.56	32.94	2.59	34.93	2.66	36.27	2.71
	77.0	28.26	2.61	29.59	2.66	30.93	2.71	31.59	2.74	33.59	2.81	34.92	2.86
	86.0	26.92	2.78	28.25	2.82	29.58	2.87	30.25	2.90	32.24	2.97	33.57	3.02
	89.6	26.38	2.84	27.71	2.89	29.04	2.94	29.71	2.97	31.70	3.04	33.04	3.09
	95.0	25.57	2.95	26.90	3.00	28.23	3.05	28.90	3.07	30.90	3.15	32.23	3.20
	104.0	22.79	2.56	23.81	2.56	24.81	2.56	25.30	2.56	26.74	2.56	27.68	2.56
	109.4	18.13	1.77	18.83	1.77	19.52	1.77	19.85	1.77	20.85	1.77	21.49	1.77
	114.8	11.41	0.98	11.80	0.98	12.18	0.98	12.37	0.98	12.91	0.98	13.27	0.98
CTXS07L + FDXS09L + CDXS15L	68.0	27.56	2.21	28.80	2.25	30.04	2.30	30.66	2.32	32.52	2.38	33.76	2.43
	77.0	26.31	2.34	27.55	2.39	28.79	2.43	29.41	2.45	31.26	2.52	32.50	2.56
	86.0	25.05	2.49	26.29	2.53	27.53	2.57	28.15	2.60	30.01	2.66	31.25	2.71
	89.6	24.55	2.55	25.79	2.59	27.03	2.64	27.65	2.66	29.51	2.72	30.75	2.77
	95.0	23.80	2.64	25.04	2.69	26.28	2.73	26.90	2.75	28.76	2.82	30.00	2.86
	104.0	21.85	2.56	22.87	2.56	23.87	2.56	24.37	2.56	25.81	2.56	26.74	2.56
	109.4	17.39	1.77	18.10	1.77	18.79	1.77	19.12	1.77	20.12	1.77	20.76	1.77
	114.8	10.96	0.98	11.35	0.98	11.73	0.98	11.91	0.98	12.46	0.98	12.82	0.98
CTXS07L + CTXS09H + FTXS18L	68.0	30.94	2.61	32.33	2.66	33.72	2.71	34.42	2.74	36.51	2.82	37.90	2.87
	77.0	29.53	2.77	30.93	2.82	32.32	2.87	33.01	2.90	35.10	2.97	36.49	3.03
	86.0	28.13	2.94	29.52	2.99	30.91	3.04	31.61	3.07	33.69	3.15	35.08	3.20
	89.6	27.57	3.01	28.96	3.06	30.35	3.11	31.04	3.14	33.13	3.22	34.52	3.27
	95.0	26.72	3.12	28.11	3.18	29.50	3.23	30.20	3.25	32.29	3.33	33.68	3.38
	104.0	23.50	2.56	24.53	2.56	25.53	2.56	26.02	2.56	27.47	2.56	28.41	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.39	1.77	21.39	1.77	22.04	1.77
	114.8	11.73	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + CTXS09H + CDXS18L	68.0	28.99	2.28	30.30	2.33	31.60	2.37	32.25	2.39	34.21	2.46	35.51	2.51
	77.0	27.68	2.42	28.98	2.46	30.28	2.51	30.94	2.53	32.89	2.60	34.20	2.65
	86.0	26.36	2.57	27.66	2.61	28.97	2.66	29.62	2.68	31.57	2.75	32.88	2.79
	89.6	25.83	2.63	27.13	2.68	28.44	2.72	29.09	2.74	31.05	2.81	32.35	2.86
	95.0	25.04	2.73	26.34	2.77	27.65	2.82	28.30	2.84	30.26	2.91	31.56	2.96
	104.0	22.71	2.56	23.76	2.56	24.79	2.56	25.29	2.56	26.76	2.56	27.72	2.56
	109.4	17.99	1.77	18.71	1.77	19.41	1.77	19.76	1.77	20.77	1.77	21.43	1.77
	114.8	11.29	0.98	11.68	0.98	12.07	0.98	12.26	0.98	12.82	0.98	13.19	0.98
CTXS07L + FDXS09L + FTXS18L	68.0	30.22	2.63	31.58	2.68	32.94	2.73	33.62	2.76	35.66	2.84	37.02	2.89
	77.0	28.85	2.78	30.21	2.84	31.57	2.89	32.25	2.91	34.29	2.99	35.65	3.05
	86.0	27.48	2.96	28.83	3.01	30.19	3.06	30.87	3.09	32.91	3.17	34.27	3.22
	89.6	26.93	3.03	28.29	3.08	29.64	3.13	30.32	3.16	32.36	3.24	33.72	3.29
	95.0	26.10	3.14	27.46	3.19	28.82	3.25	29.50	3.27	31.54	3.35	32.90	3.40
	104.0	23.04	2.56	24.04	2.56	25.03	2.56	25.51	2.56	26.93	2.56	27.86	2.56
	109.4	18.36	1.77	19.06	1.77	19.73	1.77	20.07	1.77	21.05	1.77	21.68	1.77
	114.8	11.58	0.98	11.96	0.98	12.34	0.98	12.52	0.98	13.06	0.98	13.41	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + CDXS18L	68.0	28.28	2.35	29.55	2.40	30.82	2.45	31.46	2.47	33.36	2.54	34.63	2.59
	77.0	26.99	2.49	28.26	2.54	29.53	2.59	30.17	2.61	32.08	2.68	33.35	2.73
	86.0	25.71	2.65	26.98	2.70	28.25	2.74	28.89	2.77	30.79	2.84	32.06	2.88
	89.6	25.19	2.71	26.46	2.76	27.74	2.81	28.37	2.83	30.28	2.90	31.55	2.95
	95.0	24.42	2.82	25.69	2.86	26.96	2.91	27.60	2.93	29.51	3.00	30.78	3.05
	104.0	22.05	2.56	23.06	2.56	24.05	2.56	24.54	2.56	25.96	2.56	26.88	2.56
	109.4	17.60	1.77	18.29	1.77	18.97	1.77	19.30	1.77	20.28	1.77	20.92	1.77
	114.8	11.11	0.98	11.49	0.98	11.86	0.98	12.05	0.98	12.59	0.98	12.94	0.98
CTXS07L + CTXS12H + CTXS12H	68.0	29.71	2.48	31.05	2.53	32.38	2.58	33.05	2.60	35.06	2.68	36.39	2.73
	77.0	28.36	2.63	29.70	2.68	31.03	2.73	31.70	2.75	33.70	2.83	35.04	2.88
	86.0	27.01	2.79	28.35	2.84	29.68	2.89	30.35	2.92	32.35	2.99	33.69	3.04
	89.6	26.47	2.86	27.81	2.91	29.14	2.96	29.81	2.99	31.81	3.06	33.15	3.11
	95.0	25.66	2.97	27.00	3.02	28.33	3.07	29.00	3.09	31.00	3.17	32.34	3.22
	104.0	22.84	2.56	23.86	2.56	24.86	2.56	25.35	2.56	26.79	2.56	27.72	2.56
	109.4	18.16	1.77	18.87	1.77	19.55	1.77	19.89	1.77	20.88	1.77	21.53	1.77
	114.8	11.44	0.98	11.82	0.98	12.20	0.98	12.39	0.98	12.94	0.98	13.29	0.98
CTXS07L + CTXS12H + FDXS12L	68.0	29.10	2.55	30.40	2.60	31.71	2.65	32.37	2.67	34.33	2.75	35.64	2.80
	77.0	27.77	2.70	29.08	2.75	30.39	2.80	31.04	2.83	33.01	2.90	34.32	2.95
	86.0	26.45	2.87	27.76	2.92	29.07	2.97	29.72	2.99	31.69	3.07	32.99	3.12
	89.6	25.92	2.94	27.23	2.99	28.54	3.04	29.19	3.06	31.16	3.14	32.46	3.19
	95.0	25.13	3.05	26.44	3.10	27.75	3.15	28.40	3.17	30.36	3.25	31.67	3.30
	104.0	22.37	2.56	23.36	2.56	24.33	2.56	24.81	2.56	26.22	2.56	27.13	2.56
	109.4	17.90	1.77	18.58	1.77	19.25	1.77	19.58	1.77	20.54	1.77	21.17	1.77
	114.8	11.32	0.98	11.69	0.98	12.06	0.98	12.24	0.98	12.78	0.98	13.12	0.98
CTXS07L + FDXS12L + FDXS12L	68.0	28.69	2.71	29.98	2.77	31.27	2.82	31.91	2.85	33.85	2.93	35.14	2.98
	77.0	27.38	2.88	28.67	2.93	29.96	2.99	30.61	3.01	32.54	3.09	33.83	3.15
	86.0	26.08	3.06	27.37	3.11	28.66	3.16	29.30	3.19	31.24	3.27	32.53	3.33
	89.6	25.56	3.13	26.85	3.19	28.14	3.24	28.78	3.27	30.72	3.35	32.01	3.40
	95.0	24.77	3.25	26.06	3.30	27.35	3.36	28.00	3.38	29.94	3.46	31.23	3.52
	104.0	22.08	2.56	23.03	2.56	23.97	2.56	24.43	2.56	25.78	2.56	26.66	2.56
	109.4	17.79	1.77	18.45	1.77	19.09	1.77	19.41	1.77	20.34	1.77	20.95	1.77
	114.8	11.31	0.98	11.67	0.98	12.03	0.98	12.20	0.98	12.72	0.98	13.05	0.98
CTXS07L + CTXS12H + FTXS15L	68.0	30.94	2.61	32.33	2.66	33.72	2.71	34.42	2.74	36.51	2.82	37.90	2.87
	77.0	29.53	2.77	30.93	2.82	32.32	2.87	33.01	2.90	35.10	2.97	36.49	3.03
	86.0	28.13	2.94	29.52	2.99	30.91	3.04	31.61	3.07	33.69	3.15	35.08	3.20
	89.6	27.57	3.01	28.96	3.06	30.35	3.11	31.04	3.14	33.13	3.22	34.52	3.27
	95.0	26.72	3.12	28.11	3.18	29.50	3.23	30.20	3.25	32.29	3.33	33.68	3.38
	104.0	23.50	2.56	24.53	2.56	25.53	2.56	26.02	2.56	27.47	2.56	28.41	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.39	1.77	21.39	1.77	22.04	1.77
	114.8	11.73	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + CTXS12H + CDXS15L	68.0	28.99	2.28	30.30	2.33	31.60	2.37	32.25	2.39	34.21	2.46	35.51	2.51
	77.0	27.68	2.42	28.98	2.46	30.28	2.51	30.94	2.53	32.89	2.60	34.20	2.65
	86.0	26.36	2.57	27.66	2.61	28.97	2.66	29.62	2.68	31.57	2.75	32.88	2.79
	89.6	25.83	2.63	27.13	2.68	28.44	2.72	29.09	2.74	31.05	2.81	32.35	2.86
	95.0	25.04	2.73	26.34	2.77	27.65	2.82	28.30	2.84	30.26	2.91	31.56	2.96
	104.0	22.71	2.56	23.76	2.56	24.79	2.56	25.29	2.56	26.76	2.56	27.72	2.56
	109.4	17.99	1.77	18.71	1.77	19.41	1.77	19.76	1.77	20.77	1.77	21.43	1.77
	114.8	11.29	0.98	11.68	0.98	12.07	0.98	12.26	0.98	12.82	0.98	13.19	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + FTXS15L	68.0	30.22	2.62	31.58	2.67	32.94	2.72	33.62	2.75	35.66	2.83	37.02	2.88
	77.0	28.85	2.78	30.21	2.83	31.57	2.88	32.25	2.91	34.29	2.98	35.65	3.04
	86.0	27.48	2.95	28.83	3.00	30.19	3.05	30.87	3.08	32.91	3.16	34.27	3.21
	89.6	26.93	3.02	28.29	3.07	29.64	3.12	30.32	3.15	32.36	3.23	33.72	3.28
	95.0	26.10	3.13	27.46	3.19	28.82	3.24	29.50	3.26	31.54	3.34	32.90	3.39
	104.0	23.04	2.56	24.05	2.56	25.04	2.56	25.52	2.56	26.94	2.56	27.87	2.56
	109.4	18.36	1.77	19.06	1.77	19.73	1.77	20.07	1.77	21.05	1.77	21.69	1.77
	114.8	11.58	0.98	11.96	0.98	12.34	0.98	12.52	0.98	13.06	0.98	13.41	0.98
CTXS07L + FDXS12L + CDXS15L	68.0	28.28	2.35	29.55	2.40	30.82	2.45	31.46	2.47	33.36	2.54	34.63	2.59
	77.0	26.99	2.49	28.26	2.54	29.53	2.59	30.17	2.61	32.08	2.68	33.35	2.73
	86.0	25.71	2.65	26.98	2.70	28.25	2.74	28.89	2.77	30.79	2.84	32.06	2.88
	89.6	25.19	2.71	26.46	2.76	27.74	2.81	28.37	2.83	30.28	2.90	31.55	2.95
	95.0	24.42	2.82	25.69	2.86	26.96	2.91	27.60	2.93	29.51	3.00	30.78	3.05
	104.0	22.05	2.56	23.06	2.56	24.05	2.56	24.54	2.56	25.96	2.56	26.88	2.56
	109.4	17.60	1.77	18.29	1.77	18.97	1.77	19.30	1.77	20.28	1.77	20.92	1.77
	114.8	11.11	0.98	11.49	0.98	11.86	0.98	12.05	0.98	12.59	0.98	12.94	0.98
CTXS07L + CTXS12H + FTXS18L	68.0	31.45	2.83	32.87	2.88	34.28	2.94	34.99	2.97	37.11	3.05	38.52	3.11
	77.0	30.02	3.00	31.44	3.05	32.85	3.11	33.56	3.14	35.68	3.22	37.09	3.28
	86.0	28.59	3.18	30.01	3.24	31.42	3.29	32.13	3.32	34.25	3.41	35.67	3.46
	89.6	28.02	3.26	29.44	3.32	30.85	3.37	31.56	3.40	33.68	3.49	35.09	3.54
	95.0	27.16	3.38	28.58	3.44	29.99	3.50	30.70	3.52	32.82	3.61	34.24	3.66
	104.0	23.75	2.56	24.75	2.56	25.73	2.56	26.21	2.56	27.63	2.56	28.56	2.56
	109.4	18.92	1.77	19.61	1.77	20.29	1.77	20.62	1.77	21.60	1.77	22.23	1.77
	114.8	11.93	0.98	12.31	0.98	12.68	0.98	12.86	0.98	13.40	0.98	13.76	0.98
CTXS07L + CTXS12H + CDXS18L	68.0	29.61	2.43	30.94	2.48	32.27	2.53	32.94	2.55	34.93	2.63	36.27	2.68
	77.0	28.26	2.58	29.59	2.63	30.93	2.68	31.59	2.70	33.59	2.77	34.92	2.82
	86.0	26.92	2.74	28.25	2.79	29.58	2.84	30.25	2.86	32.24	2.93	33.57	2.98
	89.6	26.38	2.81	27.71	2.86	29.04	2.90	29.71	2.93	31.70	3.00	33.04	3.05
	95.0	25.57	2.91	26.90	2.96	28.23	3.01	28.90	3.03	30.90	3.11	32.23	3.15
	104.0	22.84	2.56	23.86	2.56	24.87	2.56	25.36	2.56	26.81	2.56	27.75	2.56
	109.4	18.14	1.77	18.85	1.77	19.54	1.77	19.88	1.77	20.88	1.77	21.53	1.77
	114.8	11.41	0.98	11.80	0.98	12.18	0.98	12.37	0.98	12.92	0.98	13.28	0.98
CTXS07L + FDXS12L + FTXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98
CTXS07L + FDXS12L + CDXS18L	68.0	28.89	2.51	30.19	2.56	31.49	2.61	32.14	2.63	34.09	2.71	35.39	2.76
	77.0	27.58	2.66	28.88	2.71	30.18	2.76	30.83	2.78	32.77	2.86	34.07	2.91
	86.0	26.27	2.82	27.56	2.87	28.86	2.92	29.51	2.95	31.46	3.02	32.76	3.07
	89.6	25.74	2.89	27.04	2.94	28.34	2.99	28.99	3.01	30.94	3.09	32.24	3.14
	95.0	24.95	3.00	26.25	3.05	27.55	3.10	28.20	3.12	30.15	3.20	31.45	3.25
	104.0	22.27	2.56	23.26	2.56	24.24	2.56	24.72	2.56	26.12	2.56	27.03	2.56
	109.4	17.81	1.77	18.49	1.77	19.16	1.77	19.49	1.77	20.46	1.77	21.09	1.77
	114.8	11.26	0.98	11.64	0.98	12.01	0.98	12.19	0.98	12.72	0.98	13.07	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FTXS15L + FTXS15L	68.0	31.55	2.68	32.97	2.74	34.39	2.79	35.10	2.82	37.23	2.90	38.65	2.95
	77.0	30.12	2.84	31.54	2.90	32.96	2.95	33.67	2.98	35.80	3.06	37.22	3.11
	86.0	28.69	3.02	30.11	3.07	31.52	3.13	32.23	3.15	34.36	3.23	35.78	3.29
	89.6	28.11	3.09	29.53	3.15	30.95	3.20	31.66	3.23	33.79	3.31	35.21	3.36
	95.0	27.25	3.21	28.67	3.26	30.09	3.32	30.80	3.34	32.93	3.42	34.35	3.48
	104.0	23.83	2.56	24.86	2.56	25.87	2.56	26.36	2.56	27.81	2.56	28.76	2.56
	109.4	18.90	1.77	19.61	1.77	20.30	1.77	20.64	1.77	21.65	1.77	22.30	1.77
	114.8	11.88	0.98	12.27	0.98	12.65	0.98	12.84	0.98	13.39	0.98	13.75	0.98
CTXS07L + FTXS15L + CDXS15L	68.0	29.71	2.30	31.05	2.35	32.38	2.40	33.05	2.42	35.06	2.49	36.39	2.53
	77.0	28.36	2.44	29.70	2.49	31.03	2.54	31.70	2.56	33.70	2.63	35.04	2.67
	86.0	27.01	2.59	28.35	2.64	29.68	2.69	30.35	2.71	32.35	2.78	33.69	2.82
	89.6	26.47	2.66	27.81	2.70	29.14	2.75	29.81	2.77	31.81	2.84	33.15	2.89
	95.0	25.66	2.76	27.00	2.80	28.33	2.85	29.00	2.87	31.00	2.94	32.34	2.99
	104.0	23.17	2.56	24.23	2.56	25.27	2.56	25.78	2.56	27.27	2.56	28.24	2.56
	109.4	18.29	1.77	19.02	1.77	19.73	1.77	20.08	1.77	21.11	1.77	21.78	1.77
	114.8	11.45	0.98	11.85	0.98	12.25	0.98	12.44	0.98	13.01	0.98	13.38	0.98
CTXS07L + CDXS15L + CDXS15L	68.0	27.87	2.11	29.12	2.15	30.37	2.20	31.00	2.22	32.88	2.28	34.13	2.32
	77.0	26.60	2.24	27.85	2.28	29.11	2.32	29.73	2.34	31.61	2.41	32.87	2.45
	86.0	25.33	2.38	26.59	2.42	27.84	2.46	28.47	2.48	30.35	2.55	31.60	2.59
	89.6	24.83	2.44	26.08	2.48	27.33	2.52	27.96	2.54	29.84	2.60	31.09	2.65
	95.0	24.07	2.53	25.32	2.57	26.57	2.61	27.20	2.63	29.08	2.70	30.33	2.74
	104.0	22.38	2.56	23.44	2.56	24.48	2.56	24.99	2.56	26.48	2.56	27.44	2.56
	109.4	17.69	1.77	18.42	1.77	19.13	1.77	19.48	1.77	20.51	1.77	21.17	1.77
	114.8	11.09	0.98	11.49	0.98	11.88	0.98	12.07	0.98	12.64	0.98	13.01	0.98
CTXS07L + FTXS15L + FTXS18L	68.0	31.55	2.63	32.97	2.68	34.39	2.73	35.10	2.76	37.23	2.84	38.65	2.89
	77.0	30.12	2.78	31.54	2.84	32.96	2.89	33.67	2.91	35.80	2.99	37.22	3.05
	86.0	28.69	2.96	30.11	3.01	31.52	3.06	32.23	3.09	34.36	3.17	35.78	3.22
	89.6	28.11	3.03	29.53	3.08	30.95	3.13	31.66	3.16	33.79	3.24	35.21	3.29
	95.0	27.25	3.14	28.67	3.19	30.09	3.25	30.80	3.27	32.93	3.35	34.35	3.40
	104.0	23.87	2.56	24.91	2.56	25.93	2.56	26.43	2.56	27.89	2.56	28.84	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS07L + FTXS15L + CDXS18L	68.0	29.71	2.30	31.05	2.35	32.38	2.40	33.05	2.42	35.06	2.49	36.39	2.53
	77.0	28.36	2.44	29.70	2.49	31.03	2.54	31.70	2.56	33.70	2.63	35.04	2.67
	86.0	27.01	2.59	28.35	2.64	29.68	2.69	30.35	2.71	32.35	2.78	33.69	2.82
	89.6	26.47	2.66	27.81	2.70	29.14	2.75	29.81	2.77	31.81	2.84	33.15	2.89
	95.0	25.66	2.76	27.00	2.80	28.33	2.85	29.00	2.87	31.00	2.94	32.34	2.99
	104.0	23.17	2.56	24.23	2.56	25.27	2.56	25.78	2.56	27.27	2.56	28.24	2.56
	109.4	18.29	1.77	19.02	1.77	19.73	1.77	20.08	1.77	21.11	1.77	21.78	1.77
	114.8	11.45	0.98	11.85	0.98	12.25	0.98	12.44	0.98	13.01	0.98	13.38	0.98
CTXS07L + CDXS15L + FTXS18L	68.0	29.71	2.30	31.05	2.35	32.38	2.40	33.05	2.42	35.06	2.49	36.39	2.53
	77.0	28.36	2.44	29.70	2.49	31.03	2.54	31.70	2.56	33.70	2.63	35.04	2.67
	86.0	27.01	2.59	28.35	2.64	29.68	2.69	30.35	2.71	32.35	2.78	33.69	2.82
	89.6	26.47	2.66	27.81	2.70	29.14	2.75	29.81	2.77	31.81	2.84	33.15	2.89
	95.0	25.66	2.76	27.00	2.80	28.33	2.85	29.00	2.87	31.00	2.94	32.34	2.99
	104.0	23.17	2.56	24.23	2.56	25.27	2.56	25.78	2.56	27.27	2.56	28.24	2.56
	109.4	18.29	1.77	19.02	1.77	19.73	1.77	20.08	1.77	21.11	1.77	21.78	1.77
	114.8	11.45	0.98	11.85	0.98	12.25	0.98	12.44	0.98	13.01	0.98	13.38	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CDXS15L + CDXS18L	68.0	27.97	2.15	29.23	2.19	30.48	2.24	31.11	2.26	33.00	2.32	34.26	2.37
	77.0	26.70	2.28	27.96	2.32	29.21	2.37	29.84	2.39	31.73	2.45	32.99	2.50
	86.0	25.43	2.42	26.68	2.47	27.94	2.51	28.57	2.53	30.46	2.59	31.72	2.64
	89.6	24.92	2.48	26.18	2.53	27.43	2.57	28.06	2.59	29.95	2.65	31.21	2.70
	95.0	24.16	2.58	25.41	2.62	26.67	2.66	27.30	2.68	29.19	2.75	30.44	2.79
	104.0	22.32	2.56	23.38	2.56	24.40	2.56	24.91	2.56	26.39	2.56	27.34	2.56
	109.4	17.67	1.77	18.39	1.77	19.10	1.77	19.45	1.77	20.47	1.77	21.13	1.77
	114.8	11.09	0.98	11.49	0.98	11.88	0.98	12.07	0.98	12.63	0.98	12.99	0.98
CTXS07L + FTXS18L + FTXS18L	68.0	31.96	2.79	33.40	2.85	34.84	2.91	35.56	2.93	37.71	3.02	39.15	3.07
	77.0	30.51	2.96	31.95	3.02	33.39	3.07	34.11	3.10	36.26	3.19	37.70	3.24
	86.0	29.06	3.15	30.50	3.20	31.93	3.26	32.65	3.29	34.81	3.37	36.25	3.42
	89.6	28.48	3.22	29.92	3.28	31.35	3.33	32.07	3.36	34.23	3.45	35.67	3.50
	95.0	27.61	3.34	29.04	3.40	30.48	3.46	31.20	3.48	33.36	3.57	34.79	3.62
	104.0	24.04	2.56	25.06	2.56	26.06	2.56	26.55	2.56	27.99	2.56	28.93	2.56
	109.4	19.10	1.77	19.80	1.77	20.48	1.77	20.82	1.77	21.82	1.77	22.46	1.77
	114.8	12.01	0.98	12.40	0.98	12.77	0.98	12.96	0.98	13.51	0.98	13.87	0.98
CTXS07L + FTXS18L + CDXS18L	68.0	31.45	2.83	32.87	2.89	34.28	2.95	34.99	2.98	37.11	3.06	38.52	3.12
	77.0	30.02	3.01	31.44	3.06	32.85	3.12	33.56	3.15	35.68	3.23	37.09	3.29
	86.0	28.59	3.19	30.01	3.25	31.42	3.30	32.13	3.33	34.25	3.42	35.67	3.47
	89.6	28.02	3.27	29.44	3.33	30.85	3.38	31.56	3.41	33.68	3.50	35.09	3.55
	95.0	27.16	3.39	28.58	3.45	29.99	3.51	30.70	3.53	32.82	3.62	34.24	3.67
	104.0	23.75	2.56	24.75	2.56	25.73	2.56	26.21	2.56	27.63	2.56	28.55	2.56
	109.4	18.93	1.77	19.61	1.77	20.29	1.77	20.62	1.77	21.60	1.77	22.24	1.77
	114.8	11.93	0.98	12.31	0.98	12.68	0.98	12.87	0.98	13.41	0.98	13.76	0.98
CTXS07L + CDXS18L + CDXS18L	68.0	30.94	2.87	32.33	2.92	33.72	2.98	34.42	3.01	36.51	3.10	37.90	3.15
	77.0	29.53	3.04	30.93	3.10	32.32	3.15	33.01	3.18	35.10	3.27	36.49	3.32
	86.0	28.13	3.23	29.52	3.28	30.91	3.34	31.61	3.37	33.69	3.46	35.08	3.51
	89.6	27.57	3.31	28.96	3.36	30.35	3.42	31.04	3.45	33.13	3.54	34.52	3.59
	95.0	26.72	3.43	28.11	3.49	29.50	3.55	30.20	3.57	32.29	3.66	33.68	3.72
	104.0	23.46	2.56	24.45	2.56	25.41	2.56	25.89	2.56	27.29	2.56	28.19	2.56
	109.4	18.76	1.77	19.44	1.77	20.10	1.77	20.43	1.77	21.39	1.77	22.02	1.77
	114.8	11.86	0.98	12.23	0.98	12.60	0.98	12.78	0.98	13.31	0.98	13.65	0.98
CTXS09H + CTXS09H + CTXS09H	68.0	27.97	2.02	29.23	2.06	30.48	2.10	31.11	2.12	33.00	2.18	34.26	2.23
	77.0	26.70	2.15	27.96	2.19	29.21	2.23	29.84	2.25	31.73	2.31	32.99	2.35
	86.0	25.43	2.28	26.68	2.32	27.94	2.36	28.57	2.38	30.46	2.44	31.72	2.48
	89.6	24.92	2.33	26.18	2.37	27.43	2.41	28.06	2.44	29.95	2.50	31.21	2.54
	95.0	24.16	2.42	25.41	2.46	26.67	2.50	27.30	2.52	29.19	2.58	30.44	2.62
	104.0	22.82	2.56	23.92	2.56	24.98	2.56	25.50	2.56	27.03	2.56	28.03	2.56
	109.4	17.93	1.77	18.68	1.77	19.41	1.77	19.77	1.77	20.83	1.77	21.51	1.77
	114.8	11.19	0.98	11.60	0.98	12.00	0.98	12.20	0.98	12.78	0.98	13.16	0.98
CTXS09H + CTXS09H + FDXS09L	68.0	27.25	2.09	28.48	2.13	29.70	2.17	30.32	2.19	32.15	2.25	33.38	2.30
	77.0	26.01	2.21	27.24	2.26	28.46	2.30	29.08	2.32	30.92	2.38	32.14	2.42
	86.0	24.77	2.35	26.00	2.39	27.23	2.43	27.84	2.45	29.68	2.52	30.90	2.56
	89.6	24.28	2.41	25.50	2.45	26.73	2.49	27.34	2.51	29.18	2.57	30.41	2.62
	95.0	23.54	2.50	24.76	2.54	25.99	2.58	26.60	2.60	28.44	2.67	29.66	2.71
	104.0	21.99	2.56	23.04	2.56	24.06	2.56	24.56	2.56	26.04	2.56	26.99	2.56
	109.4	17.42	1.77	18.14	1.77	18.85	1.77	19.19	1.77	20.21	1.77	20.87	1.77
	114.8	10.94	0.98	11.34	0.98	11.73	0.98	11.92	0.98	12.48	0.98	12.84	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + FDXS09L	68.0	27.05	2.25	28.26	2.29	29.48	2.34	30.09	2.36	31.91	2.43	33.13	2.47
	77.0	25.82	2.38	27.03	2.43	28.25	2.47	28.86	2.50	30.68	2.56	31.90	2.61
	86.0	24.59	2.53	25.80	2.58	27.02	2.62	27.63	2.64	29.45	2.71	30.67	2.76
	89.6	24.10	2.59	25.31	2.64	26.53	2.68	27.14	2.71	28.96	2.77	30.18	2.82
	95.0	23.36	2.69	24.58	2.74	25.79	2.78	26.40	2.80	28.22	2.87	29.44	2.91
	104.0	21.38	2.56	22.38	2.56	23.35	2.56	23.83	2.56	25.24	2.56	26.16	2.56
	109.4	17.11	1.77	17.79	1.77	18.47	1.77	18.80	1.77	19.77	1.77	20.40	1.77
	114.8	10.82	0.98	11.20	0.98	11.57	0.98	11.76	0.98	12.29	0.98	12.64	0.98
FDXS09L + FDXS09L + FDXS09L	68.0	26.33	2.36	27.51	2.41	28.70	2.45	29.29	2.48	31.07	2.55	32.25	2.60
	77.0	25.13	2.50	26.32	2.55	27.50	2.60	28.09	2.62	29.87	2.69	31.05	2.74
	86.0	23.94	2.66	25.12	2.70	26.30	2.75	26.90	2.78	28.67	2.85	29.86	2.89
	89.6	23.46	2.72	24.64	2.77	25.83	2.82	26.42	2.84	28.19	2.91	29.38	2.96
	95.0	22.74	2.83	23.92	2.87	25.11	2.92	25.70	2.94	27.48	3.01	28.66	3.06
	104.0	20.68	2.56	21.64	2.56	22.57	2.56	23.03	2.56	24.38	2.56	25.26	2.56
	109.4	16.72	1.77	17.37	1.77	18.02	1.77	18.33	1.77	19.26	1.77	19.87	1.77
	114.8	10.65	0.98	11.02	0.98	11.37	0.98	11.55	0.98	12.06	0.98	12.39	0.98
CTXS09H + CTXS09H + CTXS12H	68.0	29.10	2.27	30.40	2.32	31.71	2.36	32.37	2.39	34.33	2.45	35.64	2.50
	77.0	27.77	2.41	29.08	2.45	30.39	2.50	31.04	2.52	33.01	2.59	34.32	2.64
	86.0	26.45	2.56	27.76	2.60	29.07	2.65	29.72	2.67	31.69	2.74	32.99	2.78
	89.6	25.92	2.62	27.23	2.67	28.54	2.71	29.19	2.73	31.16	2.80	32.46	2.85
	95.0	25.13	2.72	26.44	2.77	27.75	2.81	28.40	2.83	30.36	2.90	31.67	2.95
	104.0	22.81	2.56	23.86	2.56	24.89	2.56	25.39	2.56	26.87	2.56	27.83	2.56
	109.4	18.04	1.77	18.77	1.77	19.47	1.77	19.82	1.77	20.84	1.77	21.50	1.77
	114.8	11.32	0.98	11.71	0.98	12.10	0.98	12.29	0.98	12.86	0.98	13.22	0.98
CTXS09H + CTXS09H + FDXS12L	68.0	28.58	2.38	29.87	2.43	31.15	2.48	31.80	2.50	33.73	2.58	35.01	2.62
	77.0	27.28	2.53	28.57	2.58	29.86	2.62	30.50	2.65	32.43	2.72	33.71	2.77
	86.0	25.99	2.68	27.27	2.73	28.56	2.78	29.20	2.80	31.13	2.88	32.41	2.92
	89.6	25.47	2.75	26.75	2.80	28.04	2.85	28.68	2.87	30.61	2.94	31.89	2.99
	95.0	24.69	2.85	25.97	2.90	27.26	2.95	27.90	2.97	29.83	3.04	31.11	3.09
	104.0	22.21	2.56	23.22	2.56	24.21	2.56	24.70	2.56	26.13	2.56	27.05	2.56
	109.4	17.71	1.77	18.41	1.77	19.09	1.77	19.42	1.77	20.41	1.77	21.05	1.77
	114.8	11.18	0.98	11.56	0.98	11.94	0.98	12.12	0.98	12.66	0.98	13.01	0.98
CTXS09H + FDXS09L + CTXS12H	68.0	28.58	2.38	29.87	2.43	31.15	2.48	31.80	2.50	33.73	2.58	35.01	2.62
	77.0	27.28	2.53	28.57	2.58	29.86	2.62	30.50	2.65	32.43	2.72	33.71	2.77
	86.0	25.99	2.68	27.27	2.73	28.56	2.78	29.20	2.80	31.13	2.88	32.41	2.92
	89.6	25.47	2.75	26.75	2.80	28.04	2.85	28.68	2.87	30.61	2.94	31.89	2.99
	95.0	24.69	2.85	25.97	2.90	27.26	2.95	27.90	2.97	29.83	3.04	31.11	3.09
	104.0	22.21	2.56	23.22	2.56	24.21	2.56	24.70	2.56	26.13	2.56	27.05	2.56
	109.4	17.71	1.77	18.41	1.77	19.09	1.77	19.42	1.77	20.41	1.77	21.05	1.77
	114.8	11.18	0.98	11.56	0.98	11.94	0.98	12.12	0.98	12.66	0.98	13.01	0.98
CTXS09H + FDXS09L + FDXS12L	68.0	28.17	2.55	29.44	2.60	30.71	2.66	31.34	2.68	33.24	2.76	34.51	2.81
	77.0	26.89	2.71	28.16	2.76	29.43	2.81	30.06	2.83	31.96	2.91	33.23	2.96
	86.0	25.61	2.87	26.88	2.93	28.15	2.98	28.78	3.00	30.68	3.08	31.95	3.13
	89.6	25.10	2.95	26.37	3.00	27.63	3.05	28.27	3.07	30.17	3.15	31.44	3.20
	95.0	24.33	3.06	25.60	3.11	26.87	3.16	27.50	3.18	29.40	3.26	30.67	3.31
	104.0	21.77	2.56	22.74	2.56	23.69	2.56	24.15	2.56	25.52	2.56	26.41	2.56
	109.4	17.51	1.77	18.18	1.77	18.83	1.77	19.15	1.77	20.09	1.77	20.71	1.77
	114.8	11.12	0.98	11.49	0.98	11.85	0.98	12.03	0.98	12.55	0.98	12.89	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + CTXS12H	68.0	28.17	2.55	29.44	2.60	30.71	2.66	31.34	2.68	33.24	2.76	34.51	2.81
	77.0	26.89	2.71	28.16	2.76	29.43	2.81	30.06	2.83	31.96	2.91	33.23	2.96
	86.0	25.61	2.87	26.88	2.93	28.15	2.98	28.78	3.00	30.68	3.08	31.95	3.13
	89.6	25.10	2.95	26.37	3.00	27.63	3.05	28.27	3.07	30.17	3.15	31.44	3.20
	95.0	24.33	3.06	25.60	3.11	26.87	3.16	27.50	3.18	29.40	3.26	30.67	3.31
	104.0	21.77	2.56	22.74	2.56	23.69	2.56	24.15	2.56	25.52	2.56	26.41	2.56
	109.4	17.51	1.77	18.18	1.77	18.83	1.77	19.15	1.77	20.09	1.77	20.71	1.77
	114.8	11.12	0.98	11.49	0.98	11.85	0.98	12.03	0.98	12.55	0.98	12.89	0.98
FDXS09L + FDXS09L + FDXS12L	68.0	27.56	2.72	28.80	2.78	30.04	2.83	30.66	2.86	32.52	2.94	33.76	2.99
	77.0	26.31	2.89	27.55	2.94	28.79	2.99	29.41	3.02	31.26	3.10	32.50	3.16
	86.0	25.05	3.06	26.29	3.12	27.53	3.17	28.15	3.20	30.01	3.28	31.25	3.34
	89.6	24.55	3.14	25.79	3.19	27.03	3.25	27.65	3.28	29.51	3.36	30.75	3.41
	95.0	23.80	3.26	25.04	3.31	26.28	3.37	26.90	3.39	28.76	3.47	30.00	3.53
	104.0	21.40	2.56	22.33	2.56	23.24	2.56	23.68	2.56	25.00	2.56	25.85	2.56
	109.4	17.36	1.77	17.99	1.77	18.62	1.77	18.93	1.77	19.83	1.77	20.43	1.77
	114.8	11.09	0.98	11.44	0.98	11.79	0.98	11.96	0.98	12.46	0.98	12.78	0.98
CTXS09H + CTXS09H + FTXS15L	68.0	30.12	2.34	31.48	2.39	32.83	2.44	33.51	2.46	35.54	2.53	36.89	2.58
	77.0	28.75	2.49	30.11	2.53	31.46	2.58	32.14	2.60	34.17	2.67	35.52	2.72
	86.0	27.38	2.64	28.74	2.69	30.09	2.73	30.77	2.76	32.80	2.83	34.16	2.87
	89.6	26.84	2.70	28.19	2.75	29.54	2.80	30.22	2.82	32.25	2.89	33.61	2.94
	95.0	26.01	2.81	27.37	2.85	28.72	2.90	29.40	2.92	31.43	2.99	32.79	3.04
	104.0	23.36	2.56	24.42	2.56	25.46	2.56	25.97	2.56	27.47	2.56	28.44	2.56
	109.4	18.43	1.77	19.16	1.77	19.88	1.77	20.23	1.77	21.26	1.77	21.93	1.77
	114.8	11.54	0.98	11.94	0.98	12.33	0.98	12.53	0.98	13.10	0.98	13.47	0.98
CTXS09H + CTXS09H + CDXS15L	68.0	29.61	2.43	30.94	2.48	32.27	2.53	32.94	2.55	34.93	2.63	36.27	2.68
	77.0	28.26	2.58	29.59	2.63	30.93	2.68	31.59	2.70	33.59	2.77	34.92	2.82
	86.0	26.92	2.74	28.25	2.79	29.58	2.84	30.25	2.86	32.24	2.93	33.57	2.98
	89.6	26.38	2.81	27.71	2.86	29.04	2.90	29.71	2.93	31.70	3.00	33.04	3.05
	95.0	25.57	2.91	26.90	2.96	28.23	3.01	28.90	3.03	30.90	3.11	32.23	3.15
	104.0	22.84	2.56	23.86	2.56	24.87	2.56	25.36	2.56	26.81	2.56	27.75	2.56
	109.4	18.14	1.77	18.85	1.77	19.54	1.77	19.88	1.77	20.88	1.77	21.53	1.77
	114.8	11.41	0.98	11.80	0.98	12.18	0.98	12.37	0.98	12.92	0.98	13.28	0.98
CTXS09H + FDXS09L + FTXS15L	68.0	29.71	2.47	31.05	2.51	32.38	2.56	33.05	2.59	35.06	2.66	36.39	2.71
	77.0	28.36	2.61	29.70	2.66	31.03	2.71	31.70	2.74	33.70	2.81	35.04	2.86
	86.0	27.01	2.78	28.35	2.82	29.68	2.87	30.35	2.90	32.35	2.97	33.69	3.02
	89.6	26.47	2.84	27.81	2.89	29.14	2.94	29.81	2.97	31.81	3.04	33.15	3.09
	95.0	25.66	2.95	27.00	3.00	28.33	3.05	29.00	3.07	31.00	3.15	32.34	3.20
	104.0	22.86	2.56	23.88	2.56	24.88	2.56	25.38	2.56	26.82	2.56	27.76	2.56
	109.4	18.17	1.77	18.87	1.77	19.56	1.77	19.90	1.77	20.90	1.77	21.54	1.77
	114.8	11.44	0.98	11.82	0.98	12.20	0.98	12.39	0.98	12.94	0.98	13.30	0.98
CTXS09H + FDXS09L + CDXS15L	68.0	29.20	2.55	30.51	2.60	31.82	2.66	32.48	2.68	34.45	2.76	35.76	2.81
	77.0	27.87	2.71	29.18	2.76	30.50	2.81	31.15	2.83	33.12	2.91	34.44	2.96
	86.0	26.54	2.87	27.86	2.93	29.17	2.98	29.83	3.00	31.80	3.08	33.11	3.13
	89.6	26.01	2.95	27.33	3.00	28.64	3.05	29.30	3.07	31.27	3.15	32.58	3.20
	95.0	25.22	3.06	26.53	3.11	27.84	3.16	28.50	3.18	30.47	3.26	31.78	3.31
	104.0	22.43	2.56	23.43	2.56	24.40	2.56	24.88	2.56	26.28	2.56	27.19	2.56
	109.4	17.94	1.77	18.62	1.77	19.29	1.77	19.62	1.77	20.59	1.77	21.22	1.77
	114.8	11.34	0.98	11.72	0.98	12.09	0.98	12.27	0.98	12.80	0.98	13.15	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FTXS15L	68.0	29.20	2.58	30.51	2.63	31.82	2.68	32.48	2.71	34.45	2.78	35.76	2.83
	77.0	27.87	2.73	29.18	2.78	30.50	2.84	31.15	2.86	33.12	2.94	34.44	2.99
	86.0	26.54	2.90	27.86	2.95	29.17	3.00	29.83	3.03	31.80	3.11	33.11	3.16
	89.6	26.01	2.97	27.33	3.02	28.64	3.08	29.30	3.10	31.27	3.18	32.58	3.23
	95.0	25.22	3.08	26.53	3.14	27.84	3.19	28.50	3.21	30.47	3.29	31.78	3.34
	104.0	22.42	2.56	23.41	2.56	24.37	2.56	24.85	2.56	26.25	2.56	27.16	2.56
	109.4	17.94	1.77	18.62	1.77	19.29	1.77	19.61	1.77	20.58	1.77	21.21	1.77
	114.8	11.35	0.98	11.72	0.98	12.09	0.98	12.27	0.98	12.80	0.98	13.15	0.98
FDXS09L + FDXS09L + CDXS15L	68.0	28.69	2.67	29.98	2.72	31.27	2.77	31.91	2.80	33.85	2.88	35.14	2.93
	77.0	27.38	2.83	28.67	2.88	29.96	2.93	30.61	2.96	32.54	3.04	33.83	3.09
	86.0	26.08	3.00	27.37	3.05	28.66	3.11	29.30	3.13	31.24	3.21	32.53	3.27
	89.6	25.56	3.08	26.85	3.13	28.14	3.18	28.78	3.21	30.72	3.29	32.01	3.34
	95.0	24.77	3.19	26.06	3.24	27.35	3.30	28.00	3.32	29.94	3.40	31.23	3.46
	104.0	22.07	2.56	23.03	2.56	23.98	2.56	24.44	2.56	25.80	2.56	26.69	2.56
	109.4	17.76	1.77	18.42	1.77	19.07	1.77	19.39	1.77	20.33	1.77	20.94	1.77
	114.8	11.28	0.98	11.65	0.98	12.01	0.98	12.18	0.98	12.70	0.98	13.04	0.98
CTXS09H + CTXS09H + FTXS18L	68.0	31.35	2.77	32.76	2.83	34.17	2.88	34.87	2.91	36.99	2.99	38.40	3.05
	77.0	29.93	2.94	31.33	2.99	32.74	3.05	33.45	3.08	35.56	3.16	36.97	3.21
	86.0	28.50	3.12	29.91	3.17	31.32	3.23	32.02	3.26	34.14	3.34	35.55	3.39
	89.6	27.93	3.20	29.34	3.25	30.75	3.31	31.45	3.33	33.57	3.42	34.98	3.47
	95.0	27.08	3.32	28.49	3.37	29.90	3.43	30.60	3.45	32.71	3.54	34.12	3.59
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.52	2.56
	109.4	18.85	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
	114.8	11.88	0.98	12.26	0.98	12.63	0.98	12.82	0.98	13.36	0.98	13.71	0.98
CTXS09H + CTXS09H + CDXS18L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
	114.8	11.80	0.98	12.17	0.98	12.54	0.98	12.72	0.98	13.26	0.98	13.61	0.98
CTXS09H + FDXS09L + FTXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98
CTXS09H + FDXS09L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FTXS18L	68.0	30.22	2.91	31.58	2.96	32.94	3.02	33.62	3.05	35.66	3.14	37.02	3.20
	77.0	28.85	3.08	30.21	3.14	31.57	3.20	32.25	3.23	34.29	3.31	35.65	3.37
	86.0	27.48	3.27	28.83	3.33	30.19	3.39	30.87	3.42	32.91	3.50	34.27	3.56
	89.6	26.93	3.35	28.29	3.41	29.64	3.47	30.32	3.50	32.36	3.58	33.72	3.64
	95.0	26.10	3.48	27.46	3.54	28.82	3.59	29.50	3.62	31.54	3.71	32.90	3.77
	104.0	23.08	2.56	24.04	2.56	24.99	2.56	25.46	2.56	26.82	2.56	27.71	2.56
	109.4	18.53	1.77	19.19	1.77	19.84	1.77	20.17	1.77	21.11	1.77	21.72	1.77
	114.8	11.75	0.98	12.12	0.98	12.47	0.98	12.65	0.98	13.17	0.98	13.51	0.98
FDXS09L + FDXS09L + CDXS18L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
	114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98
CTXS09H + CTXS12H + CTXS12H	68.0	30.22	2.59	31.58	2.64	32.94	2.69	33.62	2.71	35.66	2.79	37.02	2.84
	77.0	28.85	2.74	30.21	2.79	31.57	2.84	32.25	2.87	34.29	2.95	35.65	3.00
	86.0	27.48	2.91	28.83	2.96	30.19	3.01	30.87	3.04	32.91	3.12	34.27	3.17
	89.6	26.93	2.98	28.29	3.03	29.64	3.09	30.32	3.11	32.36	3.19	33.72	3.24
	95.0	26.10	3.09	27.46	3.15	28.82	3.20	29.50	3.22	31.54	3.30	32.90	3.35
	104.0	23.06	2.56	24.08	2.56	25.07	2.56	25.56	2.56	26.99	2.56	27.92	2.56
	109.4	18.36	1.77	19.06	1.77	19.74	1.77	20.08	1.77	21.06	1.77	21.70	1.77
	114.8	11.57	0.98	11.95	0.98	12.33	0.98	12.52	0.98	13.06	0.98	13.41	0.98
CTXS09H + CTXS12H + FDXS12L	68.0	29.61	2.71	30.94	2.76	32.27	2.81	32.94	2.84	34.93	2.92	36.27	2.98
	77.0	28.26	2.87	29.59	2.92	30.93	2.98	31.59	3.00	33.59	3.08	34.92	3.14
	86.0	26.92	3.05	28.25	3.10	29.58	3.15	30.25	3.18	32.24	3.26	33.57	3.32
	89.6	26.38	3.12	27.71	3.18	29.04	3.23	29.71	3.26	31.70	3.34	33.04	3.39
	95.0	25.57	3.24	26.90	3.29	28.23	3.35	28.90	3.37	30.90	3.45	32.23	3.51
	104.0	22.64	2.56	23.62	2.56	24.57	2.56	25.04	2.56	26.43	2.56	27.33	2.56
	109.4	18.15	1.77	18.82	1.77	19.48	1.77	19.80	1.77	20.76	1.77	21.38	1.77
	114.8	11.49	0.98	11.86	0.98	12.23	0.98	12.41	0.98	12.93	0.98	13.28	0.98
CTXS09H + FDXS12L + FDXS12L	68.0	29.10	2.87	30.40	2.93	31.71	2.99	32.37	3.02	34.33	3.10	35.64	3.16
	77.0	27.77	3.05	29.08	3.11	30.39	3.16	31.04	3.19	33.01	3.28	34.32	3.33
	86.0	26.45	3.24	27.76	3.29	29.07	3.35	29.72	3.38	31.69	3.47	32.99	3.52
	89.6	25.92	3.32	27.23	3.37	28.54	3.43	29.19	3.46	31.16	3.55	32.46	3.60
	95.0	25.13	3.44	26.44	3.50	27.75	3.56	28.40	3.58	30.36	3.67	31.67	3.73
	104.0	22.41	2.56	23.36	2.56	24.28	2.56	24.74	2.56	26.08	2.56	26.95	2.56
	109.4	18.08	1.77	18.73	1.77	19.37	1.77	19.68	1.77	20.61	1.77	21.21	1.77
	114.8	11.51	0.98	11.87	0.98	12.22	0.98	12.39	0.98	12.90	0.98	13.23	0.98
FDXS09L + CTXS12H + CTXS12H	68.0	29.61	2.71	30.94	2.76	32.27	2.81	32.94	2.84	34.93	2.92	36.27	2.98
	77.0	28.26	2.87	29.59	2.92	30.93	2.98	31.59	3.00	33.59	3.08	34.92	3.14
	86.0	26.92	3.05	28.25	3.10	29.58	3.15	30.25	3.18	32.24	3.26	33.57	3.32
	89.6	26.38	3.12	27.71	3.18	29.04	3.23	29.71	3.26	31.70	3.34	33.04	3.39
	95.0	25.57	3.24	26.90	3.29	28.23	3.35	28.90	3.37	30.90	3.45	32.23	3.51
	104.0	22.64	2.56	23.62	2.56	24.57	2.56	25.04	2.56	26.43	2.56	27.33	2.56
	109.4	18.15	1.77	18.82	1.77	19.48	1.77	19.80	1.77	20.76	1.77	21.38	1.77
	114.8	11.49	0.98	11.86	0.98	12.23	0.98	12.41	0.98	12.93	0.98	13.28	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H + FDXS12L	68.0	29.10	2.87	30.40	2.93	31.71	2.99	32.37	3.02	34.33	3.10	35.64	3.16
	77.0	27.77	3.05	29.08	3.11	30.39	3.16	31.04	3.19	33.01	3.28	34.32	3.33
	86.0	26.45	3.24	27.76	3.29	29.07	3.35	29.72	3.38	31.69	3.47	32.99	3.52
	89.6	25.92	3.32	27.23	3.37	28.54	3.43	29.19	3.46	31.16	3.55	32.46	3.60
	95.0	25.13	3.44	26.44	3.50	27.75	3.56	28.40	3.58	30.36	3.67	31.67	3.73
	104.0	22.41	2.56	23.36	2.56	24.28	2.56	24.74	2.56	26.08	2.56	26.95	2.56
	109.4	18.08	1.77	18.73	1.77	19.37	1.77	19.68	1.77	20.61	1.77	21.21	1.77
	114.8	11.51	0.98	11.87	0.98	12.22	0.98	12.39	0.98	12.90	0.98	13.23	0.98
FDXS09L + FDXS12L + FDXS12L	68.0	28.17	2.94	29.44	3.00	30.71	3.06	31.34	3.09	33.24	3.17	34.51	3.23
	77.0	26.89	3.12	28.16	3.17	29.43	3.23	30.06	3.26	31.96	3.35	33.23	3.41
	86.0	25.61	3.31	26.88	3.37	28.15	3.43	28.78	3.46	30.68	3.54	31.95	3.60
	89.6	25.10	3.39	26.37	3.45	27.63	3.51	28.27	3.54	30.17	3.62	31.44	3.68
	95.0	24.33	3.52	25.60	3.58	26.87	3.63	27.50	3.66	29.40	3.75	30.67	3.81
	104.0	21.96	2.56	22.88	2.56	23.78	2.56	24.22	2.56	25.52	2.56	26.37	2.56
	109.4	17.82	1.77	18.46	1.77	19.07	1.77	19.38	1.77	20.28	1.77	20.86	1.77
	114.8	11.39	0.98	11.74	0.98	12.08	0.98	12.25	0.98	12.75	0.98	13.07	0.98
CTXS09H + CTXS12H + FTXS15L	68.0	31.35	2.83	32.76	2.88	34.17	2.94	34.87	2.97	36.99	3.05	38.40	3.11
	77.0	29.93	3.00	31.33	3.05	32.74	3.11	33.45	3.14	35.56	3.22	36.97	3.28
	86.0	28.50	3.18	29.91	3.24	31.32	3.29	32.02	3.32	34.14	3.41	35.55	3.46
	89.6	27.93	3.26	29.34	3.32	30.75	3.37	31.45	3.40	33.57	3.49	34.98	3.54
	95.0	27.08	3.38	28.49	3.44	29.90	3.50	30.60	3.52	32.71	3.61	34.12	3.66
	104.0	23.69	2.56	24.69	2.56	25.67	2.56	26.15	2.56	27.57	2.56	28.49	2.56
	109.4	18.88	1.77	19.57	1.77	20.24	1.77	20.58	1.77	21.55	1.77	22.19	1.77
	114.8	11.91	0.98	12.29	0.98	12.66	0.98	12.84	0.98	13.38	0.98	13.73	0.98
CTXS09H + CTXS12H + CDXS15L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
	114.8	11.80	0.98	12.17	0.98	12.54	0.98	12.72	0.98	13.26	0.98	13.61	0.98
CTXS09H + FDXS12L + FTXS15L	68.0	30.84	2.90	32.22	2.96	33.61	3.01	34.30	3.04	36.38	3.13	37.77	3.19
	77.0	29.44	3.07	30.82	3.13	32.21	3.19	32.90	3.22	34.98	3.30	36.37	3.36
	86.0	28.03	3.26	29.42	3.32	30.81	3.38	31.50	3.41	33.58	3.49	34.97	3.55
	89.6	27.47	3.34	28.86	3.40	30.25	3.46	30.94	3.49	33.02	3.58	34.41	3.63
	95.0	26.63	3.47	28.02	3.53	29.41	3.58	30.10	3.61	32.18	3.70	33.57	3.76
	104.0	23.42	2.56	24.40	2.56	25.36	2.56	25.83	2.56	27.22	2.56	28.12	2.56
	109.4	18.75	1.77	19.42	1.77	20.08	1.77	20.41	1.77	21.36	1.77	21.99	1.77
	114.8	11.86	0.98	12.23	0.98	12.59	0.98	12.77	0.98	13.30	0.98	13.65	0.98
CTXS09H + FDXS12L + CDXS15L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + CTXS12H + FTXS15L	68.0	30.84	2.90	32.22	2.96	33.61	3.01	34.30	3.04	36.38	3.13	37.77	3.19
	77.0	29.44	3.07	30.82	3.13	32.21	3.19	32.90	3.22	34.98	3.30	36.37	3.36
	86.0	28.03	3.26	29.42	3.32	30.81	3.38	31.50	3.41	33.58	3.49	34.97	3.55
	89.6	27.47	3.34	28.86	3.40	30.25	3.46	30.94	3.49	33.02	3.58	34.41	3.63
	95.0	26.63	3.47	28.02	3.53	29.41	3.58	30.10	3.61	32.18	3.70	33.57	3.76
	104.0	23.42	2.56	24.40	2.56	25.36	2.56	25.83	2.56	27.22	2.56	28.12	2.56
	109.4	18.75	1.77	19.42	1.77	20.08	1.77	20.41	1.77	21.36	1.77	21.99	1.77
	114.8	11.86	0.98	12.23	0.98	12.59	0.98	12.77	0.98	13.30	0.98	13.65	0.98
FDXS09L + CTXS12H + CDXS15L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
FDXS09L + FDXS12L + FTXS15L	68.0	30.12	2.91	31.48	2.96	32.83	3.02	33.51	3.05	35.54	3.14	36.89	3.20
	77.0	28.75	3.08	30.11	3.14	31.46	3.20	32.14	3.23	34.17	3.31	35.52	3.37
	86.0	27.38	3.27	28.74	3.33	30.09	3.39	30.77	3.42	32.80	3.50	34.16	3.56
	89.6	26.84	3.35	28.19	3.41	29.54	3.47	30.22	3.50	32.25	3.58	33.61	3.64
	95.0	26.01	3.48	27.37	3.54	28.72	3.59	29.40	3.62	31.43	3.71	32.79	3.77
	104.0	23.02	2.56	23.98	2.56	24.93	2.56	25.39	2.56	26.76	2.56	27.65	2.56
	109.4	18.49	1.77	19.16	1.77	19.80	1.77	20.12	1.77	21.07	1.77	21.68	1.77
	114.8	11.73	0.98	12.10	0.98	12.45	0.98	12.63	0.98	13.15	0.98	13.49	0.98
FDXS09L + FDXS12L + CDXS15L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
	114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98
CTXS09H + CTXS12H + FTXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
	114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98
CTXS09H + CTXS12H + CDXS18L	68.0	31.04	2.91	32.44	2.97	33.83	3.03	34.53	3.06	36.63	3.15	38.02	3.21
	77.0	29.63	3.09	31.03	3.15	32.42	3.21	33.12	3.24	35.22	3.32	36.61	3.38
	86.0	28.22	3.28	29.62	3.34	31.01	3.40	31.71	3.43	33.80	3.51	35.20	3.57
	89.6	27.66	3.36	29.05	3.42	30.45	3.48	31.15	3.51	33.24	3.59	34.64	3.65
	95.0	26.81	3.49	28.21	3.55	29.60	3.60	30.30	3.63	32.39	3.72	33.79	3.78
	104.0	23.55	2.56	24.53	2.56	25.49	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.51	1.77	20.17	1.77	20.50	1.77	21.46	1.77	22.08	1.77
	114.8	11.91	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.70	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS12L + FTXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
	114.8	11.88	0.98	12.25	0.98	12.62	0.98	12.80	0.98	13.33	0.98	13.67	0.98
CTXS09H + FDXS12L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
FDXS09L + CTXS12H + FTXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
	114.8	11.88	0.98	12.25	0.98	12.62	0.98	12.80	0.98	13.33	0.98	13.67	0.98
FDXS09L + CTXS12H + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
FDXS09L + FDXS12L + FTXS18L	68.0	30.22	2.91	31.58	2.96	32.94	3.02	33.62	3.05	35.66	3.14	37.02	3.20
	77.0	28.85	3.08	30.21	3.14	31.57	3.20	32.25	3.23	34.29	3.31	35.65	3.37
	86.0	27.48	3.27	28.83	3.33	30.19	3.39	30.87	3.42	32.91	3.50	34.27	3.56
	89.6	26.93	3.35	28.29	3.41	29.64	3.47	30.32	3.50	32.36	3.58	33.72	3.64
	95.0	26.10	3.48	27.46	3.54	28.82	3.59	29.50	3.62	31.54	3.71	32.90	3.77
	104.0	23.08	2.56	24.04	2.56	24.99	2.56	25.46	2.56	26.82	2.56	27.71	2.56
	109.4	18.53	1.77	19.19	1.77	19.84	1.77	20.17	1.77	21.11	1.77	21.72	1.77
	114.8	11.75	0.98	12.12	0.98	12.47	0.98	12.65	0.98	13.17	0.98	13.51	0.98
FDXS09L + FDXS12L + CDXS18L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
	114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FTXS15L + FTXS15L	68.0	31.66	2.68	33.08	2.74	34.50	2.79	35.22	2.82	37.35	2.90	38.78	2.95
	77.0	30.22	2.84	31.64	2.90	33.07	2.95	33.78	2.98	35.91	3.06	37.34	3.11
	86.0	28.78	3.02	30.20	3.07	31.63	3.13	32.34	3.15	34.47	3.23	35.90	3.29
	89.6	28.20	3.09	29.63	3.15	31.05	3.20	31.76	3.23	33.90	3.31	35.32	3.36
	95.0	27.34	3.21	28.76	3.26	30.19	3.32	30.90	3.34	33.04	3.42	34.46	3.48
	104.0	23.89	2.56	24.93	2.56	25.93	2.56	26.43	2.56	27.89	2.56	28.83	2.56
	109.4	18.94	1.77	19.65	1.77	20.35	1.77	20.69	1.77	21.69	1.77	22.35	1.77
	114.8	11.90	0.98	12.29	0.98	12.67	0.98	12.86	0.98	13.41	0.98	13.78	0.98
CTXS09H + FTXS15L + CDXS15L	68.0	31.15	2.72	32.55	2.78	33.95	2.83	34.65	2.86	36.75	2.94	38.15	2.99
	77.0	29.73	2.89	31.13	2.94	32.53	2.99	33.23	3.02	35.33	3.10	36.73	3.16
	86.0	28.31	3.06	29.71	3.12	31.12	3.17	31.82	3.20	33.92	3.28	35.32	3.34
	89.6	27.75	3.14	29.15	3.19	30.55	3.25	31.25	3.28	33.35	3.36	34.75	3.41
	95.0	26.90	3.26	28.30	3.31	29.70	3.37	30.40	3.39	32.50	3.47	33.90	3.53
	104.0	23.57	2.56	24.58	2.56	25.57	2.56	26.06	2.56	27.49	2.56	28.42	2.56
	109.4	18.75	1.77	19.45	1.77	20.13	1.77	20.47	1.77	21.45	1.77	22.09	1.77
	114.8	11.81	0.98	12.20	0.98	12.57	0.98	12.76	0.98	13.30	0.98	13.65	0.98
CTXS09H + CDXS15L + CDXS15L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98
FDXS09L + FTXS15L + FTXS15L	68.0	31.15	2.75	32.55	2.81	33.95	2.86	34.65	2.89	36.75	2.97	38.15	3.03
	77.0	29.73	2.92	31.13	2.97	32.53	3.03	33.23	3.06	35.33	3.14	36.73	3.19
	86.0	28.31	3.10	29.71	3.16	31.12	3.21	31.82	3.24	33.92	3.32	35.32	3.38
	89.6	27.75	3.18	29.15	3.23	30.55	3.29	31.25	3.31	33.35	3.40	34.75	3.45
	95.0	26.90	3.30	28.30	3.35	29.70	3.41	30.40	3.43	32.50	3.52	33.90	3.57
	104.0	23.56	2.56	24.57	2.56	25.55	2.56	26.04	2.56	27.46	2.56	28.39	2.56
	109.4	18.77	1.77	19.46	1.77	20.14	1.77	20.47	1.77	21.45	1.77	22.09	1.77
	114.8	11.83	0.98	12.21	0.98	12.58	0.98	12.77	0.98	13.31	0.98	13.66	0.98
FDXS09L + FTXS15L + CDXS15L	68.0	30.63	2.79	32.01	2.84	33.39	2.90	34.08	2.93	36.14	3.01	37.52	3.06
	77.0	29.24	2.95	30.62	3.01	32.00	3.07	32.68	3.09	34.75	3.18	36.13	3.23
	86.0	27.85	3.14	29.23	3.19	30.60	3.25	31.29	3.28	33.36	3.36	34.74	3.41
	89.6	27.29	3.21	28.67	3.27	30.05	3.33	30.74	3.35	32.80	3.44	34.18	3.49
	95.0	26.46	3.33	27.83	3.39	29.21	3.45	29.90	3.47	31.97	3.56	33.34	3.61
	104.0	23.26	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.10	2.56	28.01	2.56
	109.4	18.59	1.77	19.27	1.77	19.93	1.77	20.26	1.77	21.23	1.77	21.86	1.77
	114.8	11.74	0.98	12.12	0.98	12.49	0.98	12.67	0.98	13.20	0.98	13.55	0.98
FDXS09L + CDXS15L + CDXS15L	68.0	30.12	2.83	31.48	2.88	32.83	2.94	33.51	2.97	35.54	3.05	36.89	3.11
	77.0	28.75	3.00	30.11	3.05	31.46	3.11	32.14	3.14	34.17	3.22	35.52	3.28
	86.0	27.38	3.18	28.74	3.24	30.09	3.29	30.77	3.32	32.80	3.41	34.16	3.46
	89.6	26.84	3.26	28.19	3.32	29.54	3.37	30.22	3.40	32.25	3.49	33.61	3.54
	95.0	26.01	3.38	27.37	3.44	28.72	3.50	29.40	3.52	31.43	3.61	32.79	3.66
	104.0	22.97	2.56	23.94	2.56	24.90	2.56	25.37	2.56	26.74	2.56	27.64	2.56
	109.4	18.42	1.77	19.09	1.77	19.75	1.77	20.07	1.77	21.02	1.77	21.64	1.77
	114.8	11.67	0.98	12.04	0.98	12.40	0.98	12.58	0.98	13.10	0.98	13.45	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS15L + FTXS18L	68.0	31.86	2.79	33.30	2.85	34.73	2.91	35.44	2.93	37.59	3.02	39.03	3.07
	77.0	30.41	2.96	31.85	3.02	33.28	3.07	34.00	3.10	36.15	3.19	37.58	3.24
	86.0	28.97	3.15	30.40	3.20	31.83	3.26	32.55	3.29	34.70	3.37	36.13	3.42
	89.6	28.39	3.22	29.82	3.28	31.25	3.33	31.97	3.36	34.12	3.45	35.55	3.50
	95.0	27.52	3.34	28.95	3.40	30.38	3.46	31.10	3.48	33.25	3.57	34.68	3.62
	104.0	23.98	2.56	25.00	2.56	26.00	2.56	26.49	2.56	27.93	2.56	28.86	2.56
	109.4	19.06	1.77	19.76	1.77	20.44	1.77	20.78	1.77	21.77	1.77	22.42	1.77
	114.8	11.99	0.98	12.38	0.98	12.75	0.98	12.94	0.98	13.49	0.98	13.84	0.98
CTXS09H + FTXS15L + CDXS18L	68.0	31.35	2.78	32.76	2.83	34.17	2.89	34.87	2.92	36.99	3.00	38.40	3.06
	77.0	29.93	2.95	31.33	3.00	32.74	3.06	33.45	3.08	35.56	3.17	36.97	3.22
	86.0	28.50	3.13	29.91	3.18	31.32	3.24	32.02	3.27	34.14	3.35	35.55	3.40
	89.6	27.93	3.21	29.34	3.26	30.75	3.32	31.45	3.34	33.57	3.43	34.98	3.48
	95.0	27.08	3.33	28.49	3.38	29.90	3.44	30.60	3.46	32.71	3.55	34.12	3.60
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.51	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
	114.8	11.88	0.98	12.26	0.98	12.64	0.98	12.82	0.98	13.36	0.98	13.72	0.98
CTXS09H + CDXS15L + FTXS18L	68.0	31.35	2.78	32.76	2.83	34.17	2.89	34.87	2.92	36.99	3.00	38.40	3.06
	77.0	29.93	2.95	31.33	3.00	32.74	3.06	33.45	3.08	35.56	3.17	36.97	3.22
	86.0	28.50	3.13	29.91	3.18	31.32	3.24	32.02	3.27	34.14	3.35	35.55	3.40
	89.6	27.93	3.21	29.34	3.26	30.75	3.32	31.45	3.34	33.57	3.43	34.98	3.48
	95.0	27.08	3.33	28.49	3.38	29.90	3.44	30.60	3.46	32.71	3.55	34.12	3.60
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.51	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
	114.8	11.88	0.98	12.26	0.98	12.64	0.98	12.82	0.98	13.36	0.98	13.72	0.98
CTXS09H + CDXS15L + CDXS18L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
	114.8	11.80	0.98	12.17	0.98	12.54	0.98	12.72	0.98	13.26	0.98	13.61	0.98
FDXS09L + FTXS15L + FTXS18L	68.0	31.35	2.81	32.76	2.87	34.17	2.92	34.87	2.95	36.99	3.03	38.40	3.09
	77.0	29.93	2.98	31.33	3.04	32.74	3.09	33.45	3.12	35.56	3.20	36.97	3.26
	86.0	28.50	3.16	29.91	3.22	31.32	3.28	32.02	3.30	34.14	3.39	35.55	3.44
	89.6	27.93	3.24	29.34	3.30	30.75	3.35	31.45	3.38	33.57	3.47	34.98	3.52
	95.0	27.08	3.36	28.49	3.42	29.90	3.48	30.60	3.50	32.71	3.59	34.12	3.64
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.15	2.56	27.57	2.56	28.49	2.56
	109.4	18.87	1.77	19.56	1.77	20.24	1.77	20.57	1.77	21.55	1.77	22.19	1.77
	114.8	11.90	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.38	0.98	13.73	0.98
FDXS09L + FTXS15L + CDXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + CDXS15L + FTXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98
FDXS09L + CDXS15L + CDXS18L	68.0	30.22	2.88	31.58	2.94	32.94	3.00	33.62	3.03	35.66	3.11	37.02	3.17
	77.0	28.85	3.06	30.21	3.11	31.57	3.17	32.25	3.20	34.29	3.29	35.65	3.34
	86.0	27.48	3.25	28.83	3.30	30.19	3.36	30.87	3.39	32.91	3.48	34.27	3.53
	89.6	26.93	3.33	28.29	3.38	29.64	3.44	30.32	3.47	32.36	3.56	33.72	3.61
	95.0	26.10	3.45	27.46	3.51	28.82	3.57	29.50	3.59	31.54	3.68	32.90	3.74
	104.0	23.06	2.56	24.03	2.56	24.98	2.56	25.44	2.56	26.82	2.56	27.71	2.56
	109.4	18.51	1.77	19.17	1.77	19.83	1.77	20.15	1.77	21.09	1.77	21.71	1.77
	114.8	11.73	0.98	12.10	0.98	12.46	0.98	12.64	0.98	13.16	0.98	13.50	0.98
CTXS09H + FTXS18L + FTXS18L	68.0	32.07	2.86	33.51	2.92	34.95	2.97	35.67	3.00	37.84	3.09	39.28	3.14
	77.0	30.61	3.03	32.05	3.09	33.49	3.14	34.21	3.17	36.38	3.26	37.82	3.32
	86.0	29.15	3.22	30.59	3.28	32.04	3.33	32.76	3.36	34.92	3.45	36.36	3.50
	89.6	28.57	3.30	30.01	3.35	31.45	3.41	32.17	3.44	34.34	3.53	35.78	3.58
	95.0	27.69	3.42	29.14	3.48	30.58	3.54	31.30	3.56	33.46	3.65	34.91	3.71
	104.0	24.11	2.56	25.12	2.56	26.11	2.56	26.60	2.56	28.03	2.56	28.96	2.56
	109.4	19.17	1.77	19.87	1.77	20.55	1.77	20.88	1.77	21.87	1.77	22.51	1.77
	114.8	12.07	0.98	12.45	0.98	12.83	0.98	13.01	0.98	13.56	0.98	13.91	0.98
CTXS09H + FTXS18L + CDXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
	114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98
CTXS09H + CDXS18L + CDXS18L	68.0	31.04	2.92	32.44	2.98	33.83	3.04	34.53	3.07	36.63	3.16	38.02	3.21
	77.0	29.63	3.10	31.03	3.16	32.42	3.22	33.12	3.24	35.22	3.33	36.61	3.39
	86.0	28.22	3.29	29.62	3.35	31.01	3.41	31.71	3.44	33.80	3.52	35.20	3.58
	89.6	27.66	3.37	29.05	3.43	30.45	3.49	31.15	3.52	33.24	3.60	34.64	3.66
	95.0	26.81	3.50	28.21	3.56	29.60	3.61	30.30	3.64	32.39	3.73	33.79	3.79
	104.0	23.55	2.56	24.53	2.56	25.50	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.52	1.77	20.18	1.77	20.51	1.77	21.46	1.77	22.09	1.77
	114.8	11.92	0.98	12.29	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.71	0.98
FDXS09L + FTXS18L + FTXS18L	68.0	31.66	2.92	33.08	2.98	34.50	3.04	35.22	3.07	37.35	3.16	38.78	3.21
	77.0	30.22	3.10	31.64	3.16	33.07	3.22	33.78	3.24	35.91	3.33	37.34	3.39
	86.0	28.78	3.29	30.20	3.35	31.63	3.41	32.34	3.44	34.47	3.52	35.90	3.58
	89.6	28.20	3.37	29.63	3.43	31.05	3.49	31.76	3.52	33.90	3.60	35.32	3.66
	95.0	27.34	3.50	28.76	3.56	30.19	3.61	30.90	3.64	33.04	3.73	34.46	3.79
	104.0	23.90	2.56	24.89	2.56	25.87	2.56	26.35	2.56	27.76	2.56	28.67	2.56
	109.4	19.07	1.77	19.75	1.77	20.42	1.77	20.75	1.77	21.72	1.77	22.35	1.77
	114.8	12.03	0.98	12.41	0.98	12.78	0.98	12.96	0.98	13.50	0.98	13.85	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FTXS18L + CDXS18L	68.0	31.04	2.90	32.44	2.96	33.83	3.01	34.53	3.04	36.63	3.13	38.02	3.19
	77.0	29.63	3.07	31.03	3.13	32.42	3.19	33.12	3.22	35.22	3.30	36.61	3.36
	86.0	28.22	3.26	29.62	3.32	31.01	3.38	31.71	3.41	33.80	3.49	35.20	3.55
	89.6	27.66	3.34	29.05	3.40	30.45	3.46	31.15	3.49	33.24	3.58	34.64	3.63
	95.0	26.81	3.47	28.21	3.53	29.60	3.58	30.30	3.61	32.39	3.70	33.79	3.76
	104.0	23.54	2.56	24.52	2.56	25.49	2.56	25.96	2.56	27.36	2.56	28.26	2.56
	109.4	18.82	1.77	19.50	1.77	20.16	1.77	20.49	1.77	21.45	1.77	22.08	1.77
	114.8	11.90	0.98	12.27	0.98	12.64	0.98	12.82	0.98	13.35	0.98	13.69	0.98
FDXS09L + CDXS18L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
CTXS12H + CTXS12H + CTXS12H	68.0	30.94	2.91	32.33	2.97	33.72	3.03	34.42	3.06	36.51	3.15	37.90	3.21
	77.0	29.53	3.09	30.93	3.15	32.32	3.21	33.01	3.24	35.10	3.32	36.49	3.38
	86.0	28.13	3.28	29.52	3.34	30.91	3.40	31.61	3.43	33.69	3.51	35.08	3.57
	89.6	27.57	3.36	28.96	3.42	30.35	3.48	31.04	3.51	33.13	3.59	34.52	3.65
	95.0	26.72	3.49	28.11	3.55	29.50	3.60	30.20	3.63	32.29	3.72	33.68	3.78
	104.0	23.49	2.56	24.47	2.56	25.43	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.80	1.77	19.47	1.77	20.13	1.77	20.46	1.77	21.42	1.77	22.04	1.77
	114.8	11.89	0.98	12.26	0.98	12.63	0.98	12.81	0.98	13.33	0.98	13.68	0.98
CTXS12H + CTXS12H + FDXS12L	68.0	30.22	2.92	31.58	2.98	32.94	3.04	33.62	3.07	35.66	3.16	37.02	3.21
	77.0	28.85	3.10	30.21	3.16	31.57	3.22	32.25	3.24	34.29	3.33	35.65	3.39
	86.0	27.48	3.29	28.83	3.35	30.19	3.41	30.87	3.44	32.91	3.52	34.27	3.58
	89.6	26.93	3.37	28.29	3.43	29.64	3.49	30.32	3.52	32.36	3.60	33.72	3.66
	95.0	26.10	3.50	27.46	3.56	28.82	3.61	29.50	3.64	31.54	3.73	32.90	3.79
	104.0	23.09	2.56	24.06	2.56	25.00	2.56	25.46	2.56	26.83	2.56	27.72	2.56
	109.4	18.55	1.77	19.21	1.77	19.86	1.77	20.18	1.77	21.12	1.77	21.73	1.77
	114.8	11.76	0.98	12.13	0.98	12.49	0.98	12.66	0.98	13.18	0.98	13.52	0.98
CTXS12H + FDXS12L + FDXS12L	68.0	29.20	2.93	30.51	2.99	31.82	3.05	32.48	3.08	34.45	3.16	35.76	3.22
	77.0	27.87	3.11	29.18	3.17	30.50	3.22	31.15	3.25	33.12	3.34	34.44	3.40
	86.0	26.54	3.30	27.86	3.36	29.17	3.42	29.83	3.45	31.80	3.53	33.11	3.59
	89.6	26.01	3.38	27.33	3.44	28.64	3.50	29.30	3.53	31.27	3.61	32.58	3.67
	95.0	25.22	3.51	26.53	3.57	27.84	3.62	28.50	3.65	30.47	3.74	31.78	3.80
	104.0	22.52	2.56	23.46	2.56	24.39	2.56	24.84	2.56	26.17	2.56	27.04	2.56
	109.4	18.18	1.77	18.83	1.77	19.47	1.77	19.78	1.77	20.70	1.77	21.30	1.77
	114.8	11.58	0.98	11.93	0.98	12.28	0.98	12.46	0.98	12.96	0.98	13.30	0.98
FDXS12L + FDXS12L + FDXS12L	68.0	28.17	2.94	29.44	3.00	30.71	3.06	31.34	3.09	33.24	3.17	34.51	3.23
	77.0	26.89	3.12	28.16	3.17	29.43	3.23	30.06	3.26	31.96	3.35	33.23	3.41
	86.0	25.61	3.31	26.88	3.37	28.15	3.43	28.78	3.46	30.68	3.54	31.95	3.60
	89.6	25.10	3.39	26.37	3.45	27.63	3.51	28.27	3.54	30.17	3.62	31.44	3.68
	95.0	24.33	3.52	25.60	3.58	26.87	3.63	27.50	3.66	29.40	3.75	30.67	3.81
	104.0	21.96	2.56	22.88	2.56	23.78	2.56	24.22	2.56	25.52	2.56	26.37	2.56
	109.4	17.82	1.77	18.46	1.77	19.07	1.77	19.38	1.77	20.28	1.77	20.86	1.77
	114.8	11.39	0.98	11.74	0.98	12.08	0.98	12.25	0.98	12.75	0.98	13.07	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + CTXS12H + FTXS15L	68.0	31.55	2.94	32.97	3.00	34.39	3.06	35.10	3.09	37.23	3.17	38.65	3.23
	77.0	30.12	3.12	31.54	3.17	32.96	3.23	33.67	3.26	35.80	3.35	37.22	3.41
	86.0	28.69	3.31	30.11	3.37	31.52	3.43	32.23	3.46	34.36	3.54	35.78	3.60
	89.6	28.11	3.39	29.53	3.45	30.95	3.51	31.66	3.54	33.79	3.62	35.21	3.68
	95.0	27.25	3.52	28.67	3.58	30.09	3.63	30.80	3.66	32.93	3.75	34.35	3.81
	104.0	23.85	2.56	24.84	2.56	25.81	2.56	26.29	2.56	27.69	2.56	28.61	2.56
	109.4	19.04	1.77	19.73	1.77	20.39	1.77	20.72	1.77	21.69	1.77	22.32	1.77
	114.8	12.02	0.98	12.40	0.98	12.77	0.98	12.95	0.98	13.48	0.98	13.83	0.98
CTXS12H + CTXS12H + CDXS15L	68.0	31.04	2.91	32.44	2.97	33.83	3.03	34.53	3.06	36.63	3.15	38.02	3.21
	77.0	29.63	3.09	31.03	3.15	32.42	3.21	33.12	3.24	35.22	3.32	36.61	3.38
	86.0	28.22	3.28	29.62	3.34	31.01	3.40	31.71	3.43	33.80	3.51	35.20	3.57
	89.6	27.66	3.36	29.05	3.42	30.45	3.48	31.15	3.51	33.24	3.59	34.64	3.65
	95.0	26.81	3.49	28.21	3.55	29.60	3.60	30.30	3.63	32.39	3.72	33.79	3.78
	104.0	23.55	2.56	24.53	2.56	25.49	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.51	1.77	20.17	1.77	20.50	1.77	21.46	1.77	22.08	1.77
	114.8	11.91	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.70	0.98
CTXS12H + FDXS12L + FTXS15L	68.0	30.84	2.90	32.22	2.96	33.61	3.01	34.30	3.04	36.38	3.13	37.77	3.19
	77.0	29.44	3.07	30.82	3.13	32.21	3.19	32.90	3.22	34.98	3.30	36.37	3.36
	86.0	28.03	3.26	29.42	3.32	30.81	3.38	31.50	3.41	33.58	3.49	34.97	3.55
	89.6	27.47	3.34	28.86	3.40	30.25	3.46	30.94	3.49	33.02	3.58	34.41	3.63
	95.0	26.63	3.47	28.02	3.53	29.41	3.58	30.10	3.61	32.18	3.70	33.57	3.76
	104.0	23.42	2.56	24.40	2.56	25.36	2.56	25.83	2.56	27.22	2.56	28.12	2.56
	109.4	18.75	1.77	19.42	1.77	20.08	1.77	20.41	1.77	21.36	1.77	21.99	1.77
	114.8	11.86	0.98	12.23	0.98	12.59	0.98	12.77	0.98	13.30	0.98	13.65	0.98
CTXS12H + FDXS12L + CDXS15L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
FDXS12L + FDXS12L + FTXS15L	68.0	30.12	2.91	31.48	2.96	32.83	3.02	33.51	3.05	35.54	3.14	36.89	3.20
	77.0	28.75	3.08	30.11	3.14	31.46	3.20	32.14	3.23	34.17	3.31	35.52	3.37
	86.0	27.38	3.27	28.74	3.33	30.09	3.39	30.77	3.42	32.80	3.50	34.16	3.56
	89.6	26.84	3.35	28.19	3.41	29.54	3.47	30.22	3.50	32.25	3.58	33.61	3.64
	95.0	26.01	3.48	27.37	3.54	28.72	3.59	29.40	3.62	31.43	3.71	32.79	3.77
	104.0	23.02	2.56	23.98	2.56	24.93	2.56	25.39	2.56	26.76	2.56	27.65	2.56
	109.4	18.49	1.77	19.16	1.77	19.80	1.77	20.12	1.77	21.07	1.77	21.68	1.77
	114.8	11.73	0.98	12.10	0.98	12.45	0.98	12.63	0.98	13.15	0.98	13.49	0.98
FDXS12L + FDXS12L + CDXS15L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
	114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + CTXS12H + FTXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
	114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98
CTXS12H + CTXS12H + CDXS18L	68.0	31.04	2.91	32.44	2.97	33.83	3.03	34.53	3.06	36.63	3.15	38.02	3.21
	77.0	29.63	3.09	31.03	3.15	32.42	3.21	33.12	3.24	35.22	3.32	36.61	3.38
	86.0	28.22	3.28	29.62	3.34	31.01	3.40	31.71	3.43	33.80	3.51	35.20	3.57
	89.6	27.66	3.36	29.05	3.42	30.45	3.48	31.15	3.51	33.24	3.59	34.64	3.65
	95.0	26.81	3.49	28.21	3.55	29.60	3.60	30.30	3.63	32.39	3.72	33.79	3.78
	104.0	23.55	2.56	24.53	2.56	25.49	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.51	1.77	20.17	1.77	20.50	1.77	21.46	1.77	22.08	1.77
	114.8	11.91	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.70	0.98
CTXS12H + FDXS12L + FTXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
	114.8	11.88	0.98	12.25	0.98	12.62	0.98	12.80	0.98	13.33	0.98	13.67	0.98
CTXS12H + FDXS12L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
FDXS12L + FDXS12L + FTXS18L	68.0	30.22	2.91	31.58	2.96	32.94	3.02	33.62	3.05	35.66	3.14	37.02	3.20
	77.0	28.85	3.08	30.21	3.14	31.57	3.20	32.25	3.23	34.29	3.31	35.65	3.37
	86.0	27.48	3.27	28.83	3.33	30.19	3.39	30.87	3.42	32.91	3.50	34.27	3.56
	89.6	26.93	3.35	28.29	3.41	29.64	3.47	30.32	3.50	32.36	3.58	33.72	3.64
	95.0	26.10	3.48	27.46	3.54	28.82	3.59	29.50	3.62	31.54	3.71	32.90	3.77
	104.0	23.08	2.56	24.04	2.56	24.99	2.56	25.46	2.56	26.82	2.56	27.71	2.56
	109.4	18.53	1.77	19.19	1.77	19.84	1.77	20.17	1.77	21.11	1.77	21.72	1.77
	114.8	11.75	0.98	12.12	0.98	12.47	0.98	12.65	0.98	13.17	0.98	13.51	0.98
FDXS12L + FDXS12L + CDXS18L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
	114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + FTXS15L + FTXS15L	68.0	31.86	2.79	33.30	2.85	34.73	2.91	35.44	2.93	37.59	3.02	39.03	3.07
	77.0	30.41	2.96	31.85	3.02	33.28	3.07	34.00	3.10	36.15	3.19	37.58	3.24
	86.0	28.97	3.15	30.40	3.20	31.83	3.26	32.55	3.29	34.70	3.37	36.13	3.42
	89.6	28.39	3.22	29.82	3.28	31.25	3.33	31.97	3.36	34.12	3.45	35.55	3.50
	95.0	27.52	3.34	28.95	3.40	30.38	3.46	31.10	3.48	33.25	3.57	34.68	3.62
	104.0	23.98	2.56	25.00	2.56	26.00	2.56	26.49	2.56	27.93	2.56	28.86	2.56
	109.4	19.06	1.77	19.76	1.77	20.44	1.77	20.78	1.77	21.77	1.77	22.42	1.77
	114.8	11.99	0.98	12.38	0.98	12.75	0.98	12.94	0.98	13.49	0.98	13.84	0.98
CTXS12H + FTXS15L + CDXS15L	68.0	31.35	2.78	32.76	2.83	34.17	2.89	34.87	2.92	36.99	3.00	38.40	3.06
	77.0	29.93	2.95	31.33	3.00	32.74	3.06	33.45	3.08	35.56	3.17	36.97	3.22
	86.0	28.50	3.13	29.91	3.18	31.32	3.24	32.02	3.27	34.14	3.35	35.55	3.40
	89.6	27.93	3.21	29.34	3.26	30.75	3.32	31.45	3.34	33.57	3.43	34.98	3.48
	95.0	27.08	3.33	28.49	3.38	29.90	3.44	30.60	3.46	32.71	3.55	34.12	3.60
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.51	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
	114.8	11.88	0.98	12.26	0.98	12.64	0.98	12.82	0.98	13.36	0.98	13.72	0.98
CTXS12H + CDXS15L + CDXS15L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
	114.8	11.80	0.98	12.17	0.98	12.54	0.98	12.72	0.98	13.26	0.98	13.61	0.98
FDXS12L + FTXS15L + FTXS15L	68.0	31.35	2.81	32.76	2.87	34.17	2.92	34.87	2.95	36.99	3.03	38.40	3.09
	77.0	29.93	2.98	31.33	3.04	32.74	3.09	33.45	3.12	35.56	3.20	36.97	3.26
	86.0	28.50	3.16	29.91	3.22	31.32	3.28	32.02	3.30	34.14	3.39	35.55	3.44
	89.6	27.93	3.24	29.34	3.30	30.75	3.35	31.45	3.38	33.57	3.47	34.98	3.52
	95.0	27.08	3.36	28.49	3.42	29.90	3.48	30.60	3.50	32.71	3.59	34.12	3.64
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.15	2.56	27.57	2.56	28.49	2.56
	109.4	18.87	1.77	19.56	1.77	20.24	1.77	20.57	1.77	21.55	1.77	22.19	1.77
	114.8	11.90	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.38	0.98	13.73	0.98
FDXS12L + FTXS15L + CDXS15L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98
FDXS12L + CDXS15L + CDXS15L	68.0	30.22	2.88	31.58	2.94	32.94	3.00	33.62	3.03	35.66	3.11	37.02	3.17
	77.0	28.85	3.06	30.21	3.11	31.57	3.17	32.25	3.20	34.29	3.29	35.65	3.34
	86.0	27.48	3.25	28.83	3.30	30.19	3.36	30.87	3.39	32.91	3.48	34.27	3.53
	89.6	26.93	3.33	28.29	3.38	29.64	3.44	30.32	3.47	32.36	3.56	33.72	3.61
	95.0	26.10	3.45	27.46	3.51	28.82	3.57	29.50	3.59	31.54	3.68	32.90	3.74
	104.0	23.06	2.56	24.03	2.56	24.98	2.56	25.44	2.56	26.82	2.56	27.71	2.56
	109.4	18.51	1.77	19.17	1.77	19.83	1.77	20.15	1.77	21.09	1.77	21.71	1.77
	114.8	11.73	0.98	12.10	0.98	12.46	0.98	12.64	0.98	13.16	0.98	13.50	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FTXS15L + FTXS18L	68.0	31.96	2.85	33.40	2.91	34.84	2.96	35.56	2.99	37.71	3.08	39.15	3.13
	77.0	30.51	3.02	31.95	3.08	33.39	3.14	34.11	3.16	36.26	3.25	37.70	3.31
	86.0	29.06	3.21	30.50	3.27	31.93	3.32	32.65	3.35	34.81	3.44	36.25	3.49
	89.6	28.48	3.29	29.92	3.35	31.35	3.40	32.07	3.43	34.23	3.52	35.67	3.57
	95.0	27.61	3.41	29.04	3.47	30.48	3.53	31.20	3.55	33.36	3.64	34.79	3.70
	104.0	24.05	2.56	25.06	2.56	26.05	2.56	26.54	2.56	27.97	2.56	28.90	2.56
	109.4	19.13	1.77	19.82	1.77	20.50	1.77	20.84	1.77	21.82	1.77	22.47	1.77
	114.8	12.04	0.98	12.42	0.98	12.80	0.98	12.99	0.98	13.53	0.98	13.88	0.98
CTXS12H + FTXS15L + CDXS18L	68.0	31.55	2.88	32.97	2.94	34.39	3.00	35.10	3.03	37.23	3.11	38.65	3.17
	77.0	30.12	3.06	31.54	3.11	32.96	3.17	33.67	3.20	35.80	3.29	37.22	3.34
	86.0	28.69	3.25	30.11	3.30	31.52	3.36	32.23	3.39	34.36	3.48	35.78	3.53
	89.6	28.11	3.33	29.53	3.38	30.95	3.44	31.66	3.47	33.79	3.56	35.21	3.61
	95.0	27.25	3.45	28.67	3.51	30.09	3.57	30.80	3.59	32.93	3.68	34.35	3.74
	104.0	23.82	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.68	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.29	1.77
	114.8	11.98	0.98	12.36	0.98	12.73	0.98	12.92	0.98	13.45	0.98	13.80	0.98
CTXS12H + CDXS15L + FTXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
	114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98
CTXS12H + CDXS15L + CDXS18L	68.0	31.04	2.92	32.44	2.98	33.83	3.04	34.53	3.07	36.63	3.16	38.02	3.21
	77.0	29.63	3.10	31.03	3.16	32.42	3.22	33.12	3.24	35.22	3.33	36.61	3.39
	86.0	28.22	3.29	29.62	3.35	31.01	3.41	31.71	3.44	33.80	3.52	35.20	3.58
	89.6	27.66	3.37	29.05	3.43	30.45	3.49	31.15	3.52	33.24	3.60	34.64	3.66
	95.0	26.81	3.50	28.21	3.56	29.60	3.61	30.30	3.64	32.39	3.73	33.79	3.79
	104.0	23.55	2.56	24.53	2.56	25.50	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.52	1.77	20.18	1.77	20.51	1.77	21.46	1.77	22.09	1.77
	114.8	11.92	0.98	12.29	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.71	0.98
FDXS12L + FTXS15L + FTXS18L	68.0	31.55	2.92	32.97	2.98	34.39	3.04	35.10	3.07	37.23	3.16	38.65	3.21
	77.0	30.12	3.10	31.54	3.16	32.96	3.22	33.67	3.24	35.80	3.33	37.22	3.39
	86.0	28.69	3.29	30.11	3.35	31.52	3.41	32.23	3.44	34.36	3.52	35.78	3.58
	89.6	28.11	3.37	29.53	3.43	30.95	3.49	31.66	3.52	33.79	3.60	35.21	3.66
	95.0	27.25	3.50	28.67	3.56	30.09	3.61	30.80	3.64	32.93	3.73	34.35	3.79
	104.0	23.84	2.56	24.83	2.56	25.81	2.56	26.28	2.56	27.69	2.56	28.60	2.56
	109.4	19.03	1.77	19.71	1.77	20.38	1.77	20.71	1.77	21.68	1.77	22.31	1.77
	114.8	12.01	0.98	12.39	0.98	12.76	0.98	12.94	0.98	13.47	0.98	13.82	0.98
FDXS12L + FTXS15L + CDXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
	114.8	11.88	0.98	12.25	0.98	12.62	0.98	12.80	0.98	13.33	0.98	13.67	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS12L + CDXS15L + FTXS18L	68.0	31.04	2.90	32.44	2.96	33.83	3.01	34.53	3.04	36.63	3.13	38.02	3.19
	77.0	29.63	3.07	31.03	3.13	32.42	3.19	33.12	3.22	35.22	3.30	36.61	3.36
	86.0	28.22	3.26	29.62	3.32	31.01	3.38	31.71	3.41	33.80	3.49	35.20	3.55
	89.6	27.66	3.34	29.05	3.40	30.45	3.46	31.15	3.49	33.24	3.58	34.64	3.63
	95.0	26.81	3.47	28.21	3.53	29.60	3.58	30.30	3.61	32.39	3.70	33.79	3.76
	104.0	23.54	2.56	24.52	2.56	25.49	2.56	25.96	2.56	27.36	2.56	28.26	2.56
	109.4	18.82	1.77	19.50	1.77	20.16	1.77	20.49	1.77	21.45	1.77	22.08	1.77
	114.8	11.90	0.98	12.27	0.98	12.64	0.98	12.82	0.98	13.35	0.98	13.69	0.98
FDXS12L + CDXS15L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
CTXS07L + CTXS07L + CTXS07L + CTXS07L	68.0	29.71	1.98	31.05	2.01	32.38	2.05	33.05	2.07	35.06	2.13	36.39	2.17
	77.0	28.36	2.09	29.70	2.13	31.03	2.17	31.70	2.19	33.70	2.25	35.04	2.29
	86.0	27.01	2.22	28.35	2.26	29.68	2.30	30.35	2.32	32.35	2.38	33.69	2.42
	89.6	26.47	2.28	27.81	2.32	29.14	2.36	29.81	2.38	31.81	2.44	33.15	2.48
	95.0	25.66	2.36	27.00	2.40	28.33	2.44	29.00	2.46	31.00	2.52	32.34	2.56
	104.0	24.31	2.52	25.65	2.55	26.81	2.56	27.36	2.56	28.99	2.56	30.05	2.56
	109.4	18.99	1.77	19.79	1.77	20.57	1.77	20.96	1.77	22.08	1.77	22.81	1.77
	114.8	11.72	0.98	12.16	0.98	12.59	0.98	12.80	0.98	13.42	0.98	13.82	0.98
CTXS07L + CTXS07L + CTXS07L + CTXS09H	68.0	30.22	2.08	31.58	2.12	32.94	2.16	33.62	2.18	35.66	2.25	37.02	2.29
	77.0	28.85	2.20	30.21	2.25	31.57	2.29	32.25	2.31	34.29	2.37	35.65	2.41
	86.0	27.48	2.34	28.83	2.38	30.19	2.42	30.87	2.45	32.91	2.51	34.27	2.55
	89.6	26.93	2.40	28.29	2.44	29.64	2.48	30.32	2.50	32.36	2.56	33.72	2.61
	95.0	26.10	2.49	27.46	2.53	28.82	2.57	29.50	2.59	31.54	2.65	32.90	2.70
	104.0	24.37	2.56	25.51	2.56	26.62	2.56	27.17	2.56	28.77	2.56	29.81	2.56
	109.4	18.95	1.77	19.74	1.77	20.50	1.77	20.88	1.77	21.98	1.77	22.70	1.77
	114.8	11.73	0.98	12.16	0.98	12.58	0.98	12.79	0.98	13.40	0.98	13.79	0.98
CTXS07L + CTXS07L + CTXS07L + FDXS09L	68.0	29.71	2.10	31.05	2.14	32.38	2.18	33.05	2.20	35.06	2.26	36.39	2.30
	77.0	28.36	2.22	29.70	2.26	31.03	2.31	31.70	2.33	33.70	2.39	35.04	2.43
	86.0	27.01	2.36	28.35	2.40	29.68	2.44	30.35	2.46	32.35	2.53	33.69	2.57
	89.6	26.47	2.42	27.81	2.46	29.14	2.50	29.81	2.52	31.81	2.58	33.15	2.63
	95.0	25.66	2.51	27.00	2.55	28.33	2.59	29.00	2.61	31.00	2.68	32.34	2.72
	104.0	23.89	2.56	25.01	2.56	26.10	2.56	26.64	2.56	28.22	2.56	29.23	2.56
	109.4	18.65	1.77	19.42	1.77	20.18	1.77	20.54	1.77	21.63	1.77	22.33	1.77
	114.8	11.58	0.98	12.00	0.98	12.42	0.98	12.62	0.98	13.22	0.98	13.61	0.98
CTXS07L + CTXS07L + CTXS07L + CTXS12H	68.0	31.35	2.38	32.76	2.43	34.17	2.48	34.87	2.50	36.99	2.58	38.40	2.62
	77.0	29.93	2.53	31.33	2.58	32.74	2.62	33.45	2.65	35.56	2.72	36.97	2.77
	86.0	28.50	2.68	29.91	2.73	31.32	2.78	32.02	2.80	34.14	2.88	35.55	2.92
	89.6	27.93	2.75	29.34	2.80	30.75	2.85	31.45	2.87	33.57	2.94	34.98	2.99
	95.0	27.08	2.85	28.49	2.90	29.90	2.95	30.60	2.97	32.71	3.04	34.12	3.09
	104.0	24.12	2.56	25.21	2.56	26.27	2.56	26.79	2.56	28.32	2.56	29.31	2.56
	109.4	18.94	1.77	19.69	1.77	20.42	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.81	0.98	12.22	0.98	12.63	0.98	12.82	0.98	13.40	0.98	13.78	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + CTXS07L + FDXS12L	68.0	30.84	2.40	32.22	2.45	33.61	2.50	34.30	2.52	36.38	2.59	37.77	2.64
	77.0	29.44	2.55	30.82	2.59	32.21	2.64	32.90	2.67	34.98	2.74	36.37	2.78
	86.0	28.03	2.70	29.42	2.75	30.81	2.80	31.50	2.82	33.58	2.89	34.97	2.94
	89.6	27.47	2.77	28.86	2.82	30.25	2.87	30.94	2.89	33.02	2.96	34.41	3.01
	95.0	26.63	2.87	28.02	2.92	29.41	2.97	30.10	2.99	32.18	3.06	33.57	3.11
	104.0	23.73	2.56	24.80	2.56	25.84	2.56	26.36	2.56	27.86	2.56	28.84	2.56
	109.4	18.70	1.77	19.44	1.77	20.15	1.77	20.51	1.77	21.54	1.77	22.22	1.77
	114.8	11.69	0.98	12.10	0.98	12.49	0.98	12.69	0.98	13.26	0.98	13.63	0.98
CTXS07L + CTXS07L + CTXS07L + FTXS15L	68.0	31.76	2.39	33.19	2.44	34.62	2.49	35.33	2.51	37.47	2.58	38.90	2.63
	77.0	30.32	2.54	31.74	2.58	33.17	2.63	33.89	2.66	36.03	2.73	37.46	2.78
	86.0	28.87	2.69	30.30	2.74	31.73	2.79	32.44	2.81	34.59	2.88	36.01	2.93
	89.6	28.30	2.76	29.72	2.81	31.15	2.86	31.87	2.88	34.01	2.95	35.44	3.00
	95.0	27.43	2.86	28.86	2.91	30.29	2.96	31.00	2.98	33.14	3.05	34.57	3.10
	104.0	24.38	2.56	25.48	2.56	26.55	2.56	27.07	2.56	28.61	2.56	29.61	2.56
	109.4	19.12	1.77	19.87	1.77	20.61	1.77	20.97	1.77	22.03	1.77	22.72	1.77
	114.8	11.91	0.98	12.32	0.98	12.72	0.98	12.92	0.98	13.51	0.98	13.89	0.98
CTXS07L + CTXS07L + CTXS07L + CDXS15L	68.0	30.33	2.18	31.69	2.23	33.05	2.27	33.73	2.29	35.78	2.36	37.14	2.40
	77.0	28.95	2.32	30.31	2.36	31.67	2.40	32.36	2.42	34.40	2.49	35.77	2.53
	86.0	27.57	2.46	28.93	2.50	30.30	2.55	30.98	2.57	33.02	2.63	34.39	2.68
	89.6	27.02	2.52	28.38	2.56	29.75	2.61	30.43	2.63	32.47	2.69	33.84	2.74
	95.0	26.19	2.61	27.55	2.66	28.92	2.70	29.60	2.72	31.65	2.79	33.01	2.83
	104.0	24.00	2.56	25.11	2.56	26.20	2.56	26.73	2.56	28.29	2.56	29.30	2.56
	109.4	18.77	1.77	19.53	1.77	20.28	1.77	20.64	1.77	21.72	1.77	22.42	1.77
	114.8	11.66	0.98	12.08	0.98	12.50	0.98	12.70	0.98	13.29	0.98	13.68	0.98
CTXS07L + CTXS07L + CTXS07L + FTXS18L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98
CTXS07L + CTXS07L + CTXS07L + CDXS18L	68.0	30.53	2.23	31.90	2.28	33.28	2.32	33.96	2.34	36.02	2.41	37.40	2.45
	77.0	29.14	2.37	30.52	2.41	31.89	2.46	32.58	2.48	34.63	2.54	36.01	2.59
	86.0	27.76	2.51	29.13	2.56	30.50	2.60	31.19	2.62	33.25	2.69	34.62	2.74
	89.6	27.20	2.58	28.57	2.62	29.95	2.66	30.63	2.69	32.69	2.75	34.06	2.80
	95.0	26.37	2.67	27.74	2.72	29.11	2.76	29.80	2.78	31.86	2.85	33.23	2.89
	104.0	23.98	2.56	25.08	2.56	26.16	2.56	26.69	2.56	28.24	2.56	29.24	2.56
	109.4	18.78	1.77	19.54	1.77	20.28	1.77	20.64	1.77	21.71	1.77	22.40	1.77
	114.8	11.68	0.98	12.10	0.98	12.51	0.98	12.71	0.98	13.30	0.98	13.68	0.98
CTXS07L + CTXS07L + CTXS09H + CTXS09H	68.0	30.74	2.18	32.12	2.22	33.50	2.26	34.19	2.28	36.26	2.35	37.65	2.39
	77.0	29.34	2.31	30.72	2.35	32.10	2.39	32.79	2.42	34.87	2.48	36.25	2.52
	86.0	27.94	2.45	29.32	2.49	30.71	2.54	31.40	2.56	33.47	2.62	34.85	2.67
	89.6	27.38	2.51	28.76	2.55	30.15	2.60	30.84	2.62	32.91	2.68	34.29	2.73
	95.0	26.54	2.60	27.93	2.65	29.31	2.69	30.00	2.71	32.07	2.78	33.46	2.82
	104.0	24.34	2.56	25.47	2.56	26.56	2.56	27.10	2.56	28.69	2.56	29.71	2.56
	109.4	18.98	1.77	19.76	1.77	20.51	1.77	20.88	1.77	21.97	1.77	22.68	1.77
	114.8	11.77	0.98	12.20	0.98	12.61	0.98	12.82	0.98	13.42	0.98	13.81	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + CTXS09H + FDXS09L	68.0	30.33	2.25	31.69	2.29	33.05	2.34	33.73	2.36	35.78	2.43	37.14	2.47
	77.0	28.95	2.38	30.31	2.43	31.67	2.47	32.36	2.50	34.40	2.56	35.77	2.61
	86.0	27.57	2.53	28.93	2.58	30.30	2.62	30.98	2.64	33.02	2.71	34.39	2.76
	89.6	27.02	2.59	28.38	2.64	29.75	2.68	30.43	2.71	32.47	2.77	33.84	2.82
	95.0	26.19	2.69	27.55	2.74	28.92	2.78	29.60	2.80	31.65	2.87	33.01	2.91
	104.0	23.77	2.56	24.87	2.56	25.93	2.56	26.46	2.56	28.00	2.56	28.99	2.56
	109.4	18.65	1.77	19.40	1.77	20.14	1.77	20.50	1.77	21.56	1.77	22.24	1.77
	114.8	11.62	0.98	12.04	0.98	12.44	0.98	12.64	0.98	13.22	0.98	13.60	0.98
CTXS07L + CTXS07L + FDXS09L + FDXS09L	68.0	30.02	2.37	31.37	2.42	32.72	2.46	33.39	2.49	35.42	2.56	36.77	2.60
	77.0	28.65	2.51	30.00	2.56	31.35	2.61	32.03	2.63	34.05	2.70	35.40	2.75
	86.0	27.29	2.67	28.64	2.71	29.99	2.76	30.66	2.78	32.69	2.86	34.04	2.90
	89.6	26.74	2.73	28.09	2.78	29.44	2.83	30.12	2.85	32.14	2.92	33.49	2.97
	95.0	25.93	2.84	27.28	2.88	28.63	2.93	29.30	2.95	31.32	3.02	32.67	3.07
	104.0	23.24	2.56	24.29	2.56	25.32	2.56	25.82	2.56	27.31	2.56	28.27	2.56
	109.4	18.37	1.77	19.09	1.77	19.80	1.77	20.15	1.77	21.17	1.77	21.83	1.77
	114.8	11.51	0.98	11.91	0.98	12.30	0.98	12.49	0.98	13.05	0.98	13.42	0.98
CTXS07L + CTXS07L + CTXS09H + CTXS12H	68.0	31.45	2.38	32.87	2.43	34.28	2.48	34.99	2.50	37.11	2.58	38.52	2.62
	77.0	30.02	2.53	31.44	2.58	32.85	2.62	33.56	2.65	35.68	2.72	37.09	2.77
	86.0	28.59	2.68	30.01	2.73	31.42	2.78	32.13	2.80	34.25	2.88	35.67	2.92
	89.6	28.02	2.75	29.44	2.80	30.85	2.85	31.56	2.87	33.68	2.94	35.09	2.99
	95.0	27.16	2.85	28.58	2.90	29.99	2.95	30.70	2.97	32.82	3.04	34.24	3.09
	104.0	24.19	2.56	25.28	2.56	26.34	2.56	26.87	2.56	28.40	2.56	29.39	2.56
	109.4	18.99	1.77	19.74	1.77	20.47	1.77	20.83	1.77	21.88	1.77	22.57	1.77
	114.8	11.84	0.98	12.25	0.98	12.65	0.98	12.85	0.98	13.43	0.98	13.81	0.98
CTXS07L + CTXS07L + CTXS09H + FDXS12L	68.0	30.94	2.40	32.33	2.45	33.72	2.50	34.42	2.52	36.51	2.59	37.90	2.64
	77.0	29.53	2.55	30.93	2.59	32.32	2.64	33.01	2.67	35.10	2.74	36.49	2.78
	86.0	28.13	2.70	29.52	2.75	30.91	2.80	31.61	2.82	33.69	2.89	35.08	2.94
	89.6	27.57	2.77	28.96	2.82	30.35	2.87	31.04	2.89	33.13	2.96	34.52	3.01
	95.0	26.72	2.87	28.11	2.92	29.50	2.97	30.20	2.99	32.29	3.06	33.68	3.11
	104.0	23.80	2.56	24.87	2.56	25.92	2.56	26.43	2.56	27.94	2.56	28.92	2.56
	109.4	18.75	1.77	19.48	1.77	20.20	1.77	20.56	1.77	21.60	1.77	22.27	1.77
	114.8	11.72	0.98	12.12	0.98	12.52	0.98	12.71	0.98	13.29	0.98	13.66	0.98
CTXS07L + CTXS07L + FDXS09L + CTXS12H	68.0	30.94	2.40	32.33	2.45	33.72	2.50	34.42	2.52	36.51	2.59	37.90	2.64
	77.0	29.53	2.55	30.93	2.59	32.32	2.64	33.01	2.67	35.10	2.74	36.49	2.78
	86.0	28.13	2.70	29.52	2.75	30.91	2.80	31.61	2.82	33.69	2.89	35.08	2.94
	89.6	27.57	2.77	28.96	2.82	30.35	2.87	31.04	2.89	33.13	2.96	34.52	3.01
	95.0	26.72	2.87	28.11	2.92	29.50	2.97	30.20	2.99	32.29	3.06	33.68	3.11
	104.0	23.80	2.56	24.87	2.56	25.92	2.56	26.43	2.56	27.94	2.56	28.92	2.56
	109.4	18.75	1.77	19.48	1.77	20.20	1.77	20.56	1.77	21.60	1.77	22.27	1.77
	114.8	11.72	0.98	12.12	0.98	12.52	0.98	12.71	0.98	13.29	0.98	13.66	0.98
CTXS07L + CTXS07L + FDXS09L + FDXS12L	68.0	30.63	2.52	32.01	2.57	33.39	2.62	34.08	2.65	36.14	2.72	37.52	2.77
	77.0	29.24	2.67	30.62	2.72	32.00	2.77	32.68	2.80	34.75	2.87	36.13	2.92
	86.0	27.85	2.84	29.23	2.89	30.60	2.94	31.29	2.96	33.36	3.04	34.74	3.09
	89.6	27.29	2.91	28.67	2.96	30.05	3.01	30.74	3.03	32.80	3.11	34.18	3.16
	95.0	26.46	3.02	27.83	3.07	29.21	3.12	29.90	3.14	31.97	3.22	33.34	3.27
	104.0	23.39	2.56	24.43	2.56	25.44	2.56	25.94	2.56	27.40	2.56	28.35	2.56
	109.4	18.54	1.77	19.25	1.77	19.95	1.77	20.29	1.77	21.30	1.77	21.96	1.77
	114.8	11.64	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.17	0.98	13.53	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + CTXS09H + FTXS15L	68.0	31.76	2.39	33.19	2.44	34.62	2.49	35.33	2.51	37.47	2.58	38.90	2.63
	77.0	30.32	2.54	31.74	2.58	33.17	2.63	33.89	2.66	36.03	2.73	37.46	2.78
	86.0	28.87	2.69	30.30	2.74	31.73	2.79	32.44	2.81	34.59	2.88	36.01	2.93
	89.6	28.30	2.76	29.72	2.81	31.15	2.86	31.87	2.88	34.01	2.95	35.44	3.00
	95.0	27.43	2.86	28.86	2.91	30.29	2.96	31.00	2.98	33.14	3.05	34.57	3.10
	104.0	24.38	2.56	25.48	2.56	26.55	2.56	27.07	2.56	28.61	2.56	29.61	2.56
	109.4	19.12	1.77	19.87	1.77	20.61	1.77	20.97	1.77	22.03	1.77	22.72	1.77
	114.8	11.91	0.98	12.32	0.98	12.72	0.98	12.92	0.98	13.51	0.98	13.89	0.98
CTXS07L + CTXS07L + CTXS09H + CDXS15L	68.0	30.43	2.18	31.80	2.23	33.16	2.27	33.85	2.29	35.90	2.36	37.27	2.40
	77.0	29.05	2.32	30.41	2.36	31.78	2.40	32.47	2.42	34.52	2.49	35.89	2.53
	86.0	27.66	2.46	29.03	2.50	30.40	2.55	31.08	2.57	33.14	2.63	34.50	2.68
	89.6	27.11	2.52	28.48	2.56	29.85	2.61	30.53	2.63	32.58	2.69	33.95	2.74
	95.0	26.28	2.61	27.65	2.66	29.02	2.70	29.70	2.72	31.75	2.79	33.12	2.83
	104.0	24.08	2.56	25.19	2.56	26.28	2.56	26.81	2.56	28.38	2.56	29.39	2.56
	109.4	18.82	1.77	19.58	1.77	20.33	1.77	20.70	1.77	21.78	1.77	22.48	1.77
	114.8	11.69	0.98	12.11	0.98	12.52	0.98	12.73	0.98	13.32	0.98	13.71	0.98
CTXS07L + CTXS07L + FDXS09L + FTXS15L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS07L + CTXS07L + FDXS09L + CDXS15L	68.0	30.02	2.26	31.37	2.30	32.72	2.35	33.39	2.37	35.42	2.44	36.77	2.48
	77.0	28.65	2.39	30.00	2.44	31.35	2.48	32.03	2.50	34.05	2.57	35.40	2.62
	86.0	27.29	2.54	28.64	2.59	29.99	2.63	30.66	2.65	32.69	2.72	34.04	2.77
	89.6	26.74	2.60	28.09	2.65	29.44	2.69	30.12	2.72	32.14	2.78	33.49	2.83
	95.0	25.93	2.70	27.28	2.75	28.63	2.79	29.30	2.81	31.32	2.88	32.67	2.93
	104.0	23.52	2.56	24.61	2.56	25.66	2.56	26.18	2.56	27.70	2.56	28.69	2.56
	109.4	18.50	1.77	19.24	1.77	19.97	1.77	20.32	1.77	21.37	1.77	22.05	1.77
	114.8	11.54	0.98	11.95	0.98	12.35	0.98	12.55	0.98	13.13	0.98	13.51	0.98
CTXS07L + CTXS07L + CTXS09H + FTXS18L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98
CTXS07L + CTXS07L + CTXS09H + CDXS18L	68.0	30.53	2.23	31.90	2.28	33.28	2.32	33.96	2.34	36.02	2.41	37.40	2.45
	77.0	29.14	2.37	30.52	2.41	31.89	2.46	32.58	2.48	34.63	2.54	36.01	2.59
	86.0	27.76	2.51	29.13	2.56	30.50	2.60	31.19	2.62	33.25	2.69	34.62	2.74
	89.6	27.20	2.58	28.57	2.62	29.95	2.66	30.63	2.69	32.69	2.75	34.06	2.80
	95.0	26.37	2.67	27.74	2.72	29.11	2.76	29.80	2.78	31.86	2.85	33.23	2.89
	104.0	23.98	2.56	25.08	2.56	26.16	2.56	26.69	2.56	28.24	2.56	29.24	2.56
	109.4	18.78	1.77	19.54	1.77	20.28	1.77	20.64	1.77	21.71	1.77	22.40	1.77
	114.8	11.68	0.98	12.10	0.98	12.51	0.98	12.71	0.98	13.30	0.98	13.68	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FDXS09L + FTXS18L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS07L + CTXS07L + FDXS09L + CDXS18L	68.0	30.12	2.26	31.48	2.30	32.83	2.35	33.51	2.37	35.54	2.44	36.89	2.48
	77.0	28.75	2.39	30.11	2.44	31.46	2.48	32.14	2.50	34.17	2.57	35.52	2.62
	86.0	27.38	2.54	28.74	2.59	30.09	2.63	30.77	2.65	32.80	2.72	34.16	2.77
	89.6	26.84	2.60	28.19	2.65	29.54	2.69	30.22	2.72	32.25	2.78	33.61	2.83
	95.0	26.01	2.70	27.37	2.75	28.72	2.79	29.40	2.81	31.43	2.88	32.79	2.93
	104.0	23.60	2.56	24.68	2.56	25.74	2.56	26.26	2.56	27.79	2.56	28.78	2.56
	109.4	18.54	1.77	19.29	1.77	20.02	1.77	20.38	1.77	21.43	1.77	22.11	1.77
	114.8	11.57	0.98	11.98	0.98	12.38	0.98	12.58	0.98	13.16	0.98	13.54	0.98
CTXS07L + CTXS07L + CTXS12H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
	114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98
CTXS07L + CTXS07L + CTXS12H + FDXS12L	68.0	31.25	2.51	32.65	2.56	34.06	2.61	34.76	2.63	36.87	2.71	38.27	2.76
	77.0	29.83	2.66	31.23	2.71	32.64	2.76	33.34	2.78	35.45	2.86	36.85	2.91
	86.0	28.41	2.82	29.81	2.87	31.22	2.92	31.92	2.95	34.03	3.02	35.43	3.07
	89.6	27.84	2.89	29.24	2.94	30.65	2.99	31.35	3.01	33.46	3.09	34.87	3.14
	95.0	26.99	3.00	28.39	3.05	29.80	3.10	30.50	3.12	32.61	3.20	34.01	3.25
	104.0	23.82	2.56	24.87	2.56	25.90	2.56	26.41	2.56	27.90	2.56	28.86	2.56
	109.4	18.81	1.77	19.53	1.77	20.24	1.77	20.59	1.77	21.62	1.77	22.28	1.77
	114.8	11.78	0.98	12.18	0.98	12.57	0.98	12.76	0.98	13.33	0.98	13.69	0.98
CTXS07L + CTXS07L + FDXS12L + FDXS12L	68.0	30.84	2.58	32.22	2.63	33.61	2.68	34.30	2.71	36.38	2.78	37.77	2.83
	77.0	29.44	2.73	30.82	2.78	32.21	2.84	32.90	2.86	34.98	2.94	36.37	2.99
	86.0	28.03	2.90	29.42	2.95	30.81	3.00	31.50	3.03	33.58	3.11	34.97	3.16
	89.6	27.47	2.97	28.86	3.02	30.25	3.08	30.94	3.10	33.02	3.18	34.41	3.23
	95.0	26.63	3.08	28.02	3.14	29.41	3.19	30.10	3.21	32.18	3.29	33.57	3.34
	104.0	23.46	2.56	24.49	2.56	25.50	2.56	26.00	2.56	27.45	2.56	28.39	2.56
	109.4	18.61	1.77	19.32	1.77	20.02	1.77	20.36	1.77	21.36	1.77	22.01	1.77
	114.8	11.70	0.98	12.09	0.98	12.47	0.98	12.66	0.98	13.21	0.98	13.57	0.98
CTXS07L + CTXS07L + CTXS12H + FTXS15L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + CTXS12H + CDXS15L	68.0	30.53	2.23	31.90	2.28	33.28	2.32	33.96	2.34	36.02	2.41	37.40	2.45
	77.0	29.14	2.37	30.52	2.41	31.89	2.46	32.58	2.48	34.63	2.54	36.01	2.59
	86.0	27.76	2.51	29.13	2.56	30.50	2.60	31.19	2.62	33.25	2.69	34.62	2.74
	89.6	27.20	2.58	28.57	2.62	29.95	2.66	30.63	2.69	32.69	2.75	34.06	2.80
	95.0	26.37	2.67	27.74	2.72	29.11	2.76	29.80	2.78	31.86	2.85	33.23	2.89
	104.0	23.98	2.56	25.08	2.56	26.16	2.56	26.69	2.56	28.24	2.56	29.24	2.56
	109.4	18.78	1.77	19.54	1.77	20.28	1.77	20.64	1.77	21.71	1.77	22.40	1.77
	114.8	11.68	0.98	12.10	0.98	12.51	0.98	12.71	0.98	13.30	0.98	13.68	0.98
CTXS07L + CTXS07L + FDXS12L + FTXS15L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS07L + CTXS07L + FDXS12L + CDXS15L	68.0	30.12	2.26	31.48	2.30	32.83	2.35	33.51	2.37	35.54	2.44	36.89	2.48
	77.0	28.75	2.39	30.11	2.44	31.46	2.48	32.14	2.50	34.17	2.57	35.52	2.62
	86.0	27.38	2.54	28.74	2.59	30.09	2.63	30.77	2.65	32.80	2.72	34.16	2.77
	89.6	26.84	2.60	28.19	2.65	29.54	2.69	30.22	2.72	32.25	2.78	33.61	2.83
	95.0	26.01	2.70	27.37	2.75	28.72	2.79	29.40	2.81	31.43	2.88	32.79	2.93
	104.0	23.60	2.56	24.68	2.56	25.74	2.56	26.26	2.56	27.79	2.56	28.78	2.56
	109.4	18.54	1.77	19.29	1.77	20.02	1.77	20.38	1.77	21.43	1.77	22.11	1.77
	114.8	11.57	0.98	11.98	0.98	12.38	0.98	12.58	0.98	13.16	0.98	13.54	0.98
CTXS07L + CTXS07L + CTXS12H + FTXS18L	68.0	32.17	2.51	33.62	2.56	35.06	2.61	35.79	2.63	37.96	2.71	39.40	2.76
	77.0	30.71	2.66	32.15	2.71	33.60	2.76	34.32	2.78	36.49	2.86	37.94	2.91
	86.0	29.25	2.82	30.69	2.87	32.14	2.92	32.86	2.95	35.03	3.02	36.48	3.07
	89.6	28.66	2.89	30.11	2.94	31.55	2.99	32.28	3.01	34.45	3.09	35.89	3.14
	95.0	27.78	3.00	29.23	3.05	30.68	3.10	31.40	3.12	33.57	3.20	35.02	3.25
	104.0	24.42	2.56	25.50	2.56	26.56	2.56	27.07	2.56	28.59	2.56	29.58	2.56
	109.4	19.20	1.77	19.94	1.77	20.66	1.77	21.02	1.77	22.07	1.77	22.75	1.77
	114.8	11.98	0.98	12.39	0.98	12.79	0.98	12.98	0.98	13.56	0.98	13.94	0.98
CTXS07L + CTXS07L + CTXS12H + CDXS18L	68.0	30.94	2.29	32.33	2.33	33.72	2.38	34.42	2.40	36.51	2.47	37.90	2.52
	77.0	29.53	2.43	30.93	2.47	32.32	2.52	33.01	2.54	35.10	2.61	36.49	2.65
	86.0	28.13	2.58	29.52	2.62	30.91	2.67	31.61	2.69	33.69	2.76	35.08	2.80
	89.6	27.57	2.64	28.96	2.69	30.35	2.73	31.04	2.75	33.13	2.82	34.52	2.87
	95.0	26.72	2.74	28.11	2.78	29.50	2.83	30.20	2.85	32.29	2.92	33.68	2.97
	104.0	24.09	2.56	25.19	2.56	26.27	2.56	26.79	2.56	28.34	2.56	29.34	2.56
	109.4	18.88	1.77	19.64	1.77	20.37	1.77	20.74	1.77	21.80	1.77	22.49	1.77
	114.8	11.75	0.98	12.17	0.98	12.57	0.98	12.77	0.98	13.36	0.98	13.74	0.98
CTXS07L + CTXS07L + FDXS12L + FTXS18L	68.0	31.76	2.63	33.19	2.69	34.62	2.74	35.33	2.77	37.47	2.84	38.90	2.90
	77.0	30.32	2.79	31.74	2.84	33.17	2.90	33.89	2.92	36.03	3.00	37.46	3.05
	86.0	28.87	2.97	30.30	3.02	31.73	3.07	32.44	3.10	34.59	3.18	36.01	3.23
	89.6	28.30	3.04	29.72	3.09	31.15	3.14	31.87	3.17	34.01	3.25	35.44	3.30
	95.0	27.43	3.15	28.86	3.20	30.29	3.26	31.00	3.28	33.14	3.36	34.57	3.41
	104.0	23.99	2.56	25.03	2.56	26.05	2.56	26.56	2.56	28.03	2.56	28.98	2.56
	109.4	18.98	1.77	19.70	1.77	20.40	1.77	20.75	1.77	21.76	1.77	22.42	1.77
	114.8	11.91	0.98	12.30	0.98	12.69	0.98	12.88	0.98	13.44	0.98	13.80	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FDXS12L + CDXS18L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
	114.8	11.62	0.98	12.03	0.98	12.43	0.98	12.63	0.98	13.21	0.98	13.58	0.98
CTXS07L + CTXS09H + CTXS09H + CTXS09H	68.0	31.35	2.38	32.76	2.43	34.17	2.48	34.87	2.50	36.99	2.58	38.40	2.62
	77.0	29.93	2.53	31.33	2.58	32.74	2.62	33.45	2.65	35.56	2.72	36.97	2.77
	86.0	28.50	2.68	29.91	2.73	31.32	2.78	32.02	2.80	34.14	2.88	35.55	2.92
	89.6	27.93	2.75	29.34	2.80	30.75	2.85	31.45	2.87	33.57	2.94	34.98	2.99
	95.0	27.08	2.85	28.49	2.90	29.90	2.95	30.60	2.97	32.71	3.04	34.12	3.09
	104.0	24.12	2.56	25.21	2.56	26.27	2.56	26.79	2.56	28.32	2.56	29.31	2.56
	109.4	18.94	1.77	19.69	1.77	20.42	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.81	0.98	12.22	0.98	12.63	0.98	12.82	0.98	13.40	0.98	13.78	0.98
CTXS07L + CTXS09H + CTXS09H + FDXS09L	68.0	30.84	2.40	32.22	2.45	33.61	2.50	34.30	2.52	36.38	2.59	37.77	2.64
	77.0	29.44	2.55	30.82	2.59	32.21	2.64	32.90	2.67	34.98	2.74	36.37	2.78
	86.0	28.03	2.70	29.42	2.75	30.81	2.80	31.50	2.82	33.58	2.89	34.97	2.94
	89.6	27.47	2.77	28.86	2.82	30.25	2.87	30.94	2.89	33.02	2.96	34.41	3.01
	95.0	26.63	2.87	28.02	2.92	29.41	2.97	30.10	2.99	32.18	3.06	33.57	3.11
	104.0	23.73	2.56	24.80	2.56	25.84	2.56	26.36	2.56	27.86	2.56	28.84	2.56
	109.4	18.70	1.77	19.44	1.77	20.15	1.77	20.51	1.77	21.54	1.77	22.22	1.77
	114.8	11.69	0.98	12.10	0.98	12.49	0.98	12.69	0.98	13.26	0.98	13.63	0.98
CTXS07L + CTXS09H + FDXS09L + FDXS09L	68.0	30.53	2.52	31.90	2.57	33.28	2.62	33.96	2.65	36.02	2.72	37.40	2.77
	77.0	29.14	2.67	30.52	2.72	31.89	2.77	32.58	2.80	34.63	2.87	36.01	2.92
	86.0	27.76	2.84	29.13	2.89	30.50	2.94	31.19	2.96	33.25	3.04	34.62	3.09
	89.6	27.20	2.91	28.57	2.96	29.95	3.01	30.63	3.03	32.69	3.11	34.06	3.16
	95.0	26.37	3.02	27.74	3.07	29.11	3.12	29.80	3.14	31.86	3.22	33.23	3.27
	104.0	23.33	2.56	24.36	2.56	25.37	2.56	25.87	2.56	27.33	2.56	28.27	2.56
	109.4	18.50	1.77	19.21	1.77	19.90	1.77	20.25	1.77	21.25	1.77	21.90	1.77
	114.8	11.62	0.98	12.01	0.98	12.40	0.98	12.59	0.98	13.14	0.98	13.50	0.98
CTXS07L + FDXS09L + FDXS09L + FDXS09L	68.0	30.33	2.65	31.69	2.70	33.05	2.76	33.73	2.78	35.78	2.86	37.14	2.91
	77.0	28.95	2.81	30.31	2.86	31.67	2.92	32.36	2.94	34.40	3.02	35.77	3.07
	86.0	27.57	2.98	28.93	3.04	30.30	3.09	30.98	3.12	33.02	3.19	34.39	3.25
	89.6	27.02	3.06	28.38	3.11	29.75	3.16	30.43	3.19	32.47	3.27	33.84	3.32
	95.0	26.19	3.17	27.55	3.22	28.92	3.28	29.60	3.30	31.65	3.38	33.01	3.44
	104.0	23.09	2.56	24.09	2.56	25.08	2.56	25.56	2.56	26.98	2.56	27.90	2.56
	109.4	18.41	1.77	19.10	1.77	19.78	1.77	20.11	1.77	21.09	1.77	21.72	1.77
	114.8	11.61	0.98	11.99	0.98	12.37	0.98	12.55	0.98	13.09	0.98	13.44	0.98
CTXS07L + CTXS09H + CTXS09H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
	114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS09H + FDXS12L	68.0	31.15	2.51	32.55	2.56	33.95	2.61	34.65	2.63	36.75	2.71	38.15	2.76
	77.0	29.73	2.66	31.13	2.71	32.53	2.76	33.23	2.78	35.33	2.86	36.73	2.91
	86.0	28.31	2.82	29.71	2.87	31.12	2.92	31.82	2.95	33.92	3.02	35.32	3.07
	89.6	27.75	2.89	29.15	2.94	30.55	2.99	31.25	3.01	33.35	3.09	34.75	3.14
	95.0	26.90	3.00	28.30	3.05	29.70	3.10	30.40	3.12	32.50	3.20	33.90	3.25
	104.0	23.75	2.56	24.80	2.56	25.83	2.56	26.34	2.56	27.82	2.56	28.78	2.56
	109.4	18.76	1.77	19.49	1.77	20.20	1.77	20.54	1.77	21.57	1.77	22.23	1.77
	114.8	11.75	0.98	12.15	0.98	12.54	0.98	12.74	0.98	13.30	0.98	13.67	0.98
CTXS07L + CTXS09H + FDXS09L + CTXS12H	68.0	31.15	2.51	32.55	2.56	33.95	2.61	34.65	2.63	36.75	2.71	38.15	2.76
	77.0	29.73	2.66	31.13	2.71	32.53	2.76	33.23	2.78	35.33	2.86	36.73	2.91
	86.0	28.31	2.82	29.71	2.87	31.12	2.92	31.82	2.95	33.92	3.02	35.32	3.07
	89.6	27.75	2.89	29.15	2.94	30.55	2.99	31.25	3.01	33.35	3.09	34.75	3.14
	95.0	26.90	3.00	28.30	3.05	29.70	3.10	30.40	3.12	32.50	3.20	33.90	3.25
	104.0	23.75	2.56	24.80	2.56	25.83	2.56	26.34	2.56	27.82	2.56	28.78	2.56
	109.4	18.76	1.77	19.49	1.77	20.20	1.77	20.54	1.77	21.57	1.77	22.23	1.77
	114.8	11.75	0.98	12.15	0.98	12.54	0.98	12.74	0.98	13.30	0.98	13.67	0.98
CTXS07L + CTXS09H + FDXS09L + FDXS12L	68.0	30.74	2.58	32.12	2.63	33.50	2.68	34.19	2.71	36.26	2.78	37.65	2.83
	77.0	29.34	2.73	30.72	2.78	32.10	2.84	32.79	2.86	34.87	2.94	36.25	2.99
	86.0	27.94	2.90	29.32	2.95	30.71	3.00	31.40	3.03	33.47	3.11	34.85	3.16
	89.6	27.38	2.97	28.76	3.02	30.15	3.08	30.84	3.10	32.91	3.18	34.29	3.23
	95.0	26.54	3.08	27.93	3.14	29.31	3.19	30.00	3.21	32.07	3.29	33.46	3.34
	104.0	23.40	2.56	24.42	2.56	25.43	2.56	25.92	2.56	27.37	2.56	28.32	2.56
	109.4	18.57	1.77	19.28	1.77	19.97	1.77	20.31	1.77	21.31	1.77	21.96	1.77
	114.8	11.68	0.98	12.07	0.98	12.45	0.98	12.63	0.98	13.19	0.98	13.55	0.98
CTXS07L + FDXS09L + FDXS09L + CTXS12H	68.0	30.74	2.58	32.12	2.63	33.50	2.68	34.19	2.71	36.26	2.78	37.65	2.83
	77.0	29.34	2.73	30.72	2.78	32.10	2.84	32.79	2.86	34.87	2.94	36.25	2.99
	86.0	27.94	2.90	29.32	2.95	30.71	3.00	31.40	3.03	33.47	3.11	34.85	3.16
	89.6	27.38	2.97	28.76	3.02	30.15	3.08	30.84	3.10	32.91	3.18	34.29	3.23
	95.0	26.54	3.08	27.93	3.14	29.31	3.19	30.00	3.21	32.07	3.29	33.46	3.34
	104.0	23.40	2.56	24.42	2.56	25.43	2.56	25.92	2.56	27.37	2.56	28.32	2.56
	109.4	18.57	1.77	19.28	1.77	19.97	1.77	20.31	1.77	21.31	1.77	21.96	1.77
	114.8	11.68	0.98	12.07	0.98	12.45	0.98	12.63	0.98	13.19	0.98	13.55	0.98
CTXS07L + FDXS09L + FDXS09L + FDXS12L	68.0	30.43	2.70	31.80	2.75	33.16	2.81	33.85	2.83	35.90	2.91	37.27	2.97
	77.0	29.05	2.86	30.41	2.91	31.78	2.97	32.47	2.99	34.52	3.08	35.89	3.13
	86.0	27.66	3.04	29.03	3.09	30.40	3.15	31.08	3.17	33.14	3.25	34.50	3.31
	89.6	27.11	3.11	28.48	3.17	29.85	3.22	30.53	3.25	32.58	3.33	33.95	3.38
	95.0	26.28	3.23	27.65	3.28	29.02	3.34	29.70	3.36	31.75	3.44	33.12	3.50
	104.0	23.14	2.56	24.14	2.56	25.11	2.56	25.59	2.56	27.01	2.56	27.93	2.56
	109.4	18.46	1.77	19.15	1.77	19.82	1.77	20.16	1.77	21.13	1.77	21.76	1.77
	114.8	11.66	0.98	12.03	0.98	12.40	0.98	12.59	0.98	13.13	0.98	13.48	0.98
CTXS07L + CTXS09H + CTXS09H + FTXS15L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + CTXS09H + CDXS15L	68.0	30.53	2.18	31.90	2.23	33.28	2.27	33.96	2.29	36.02	2.36	37.40	2.40
	77.0	29.14	2.32	30.52	2.36	31.89	2.40	32.58	2.42	34.63	2.49	36.01	2.53
	86.0	27.76	2.46	29.13	2.50	30.50	2.55	31.19	2.57	33.25	2.63	34.62	2.68
	89.6	27.20	2.52	28.57	2.56	29.95	2.61	30.63	2.63	32.69	2.69	34.06	2.74
	95.0	26.37	2.61	27.74	2.66	29.11	2.70	29.80	2.72	31.86	2.79	33.23	2.83
	104.0	24.15	2.56	25.27	2.56	26.36	2.56	26.90	2.56	28.47	2.56	29.48	2.56
	109.4	18.87	1.77	19.63	1.77	20.38	1.77	20.75	1.77	21.83	1.77	22.54	1.77
	114.8	11.71	0.98	12.14	0.98	12.55	0.98	12.75	0.98	13.35	0.98	13.74	0.98
CTXS07L + CTXS09H + FDXS09L + FTXS15L	68.0	31.55	2.47	32.97	2.52	34.39	2.57	35.10	2.60	37.23	2.67	38.65	2.72
	77.0	30.12	2.62	31.54	2.67	32.96	2.72	33.67	2.75	35.80	2.82	37.22	2.87
	86.0	28.69	2.78	30.11	2.83	31.52	2.88	32.23	2.91	34.36	2.98	35.78	3.03
	89.6	28.11	2.85	29.53	2.90	30.95	2.95	31.66	2.98	33.79	3.05	35.21	3.10
	95.0	27.25	2.96	28.67	3.01	30.09	3.06	30.80	3.08	32.93	3.16	34.35	3.21
	104.0	24.07	2.56	25.14	2.56	26.19	2.56	26.70	2.56	28.21	2.56	29.19	2.56
	109.4	18.96	1.77	19.69	1.77	20.41	1.77	20.77	1.77	21.81	1.77	22.48	1.77
	114.8	11.85	0.98	12.25	0.98	12.65	0.98	12.84	0.98	13.42	0.98	13.79	0.98
CTXS07L + CTXS09H + FDXS09L + CDXS15L	68.0	30.22	2.26	31.58	2.30	32.94	2.35	33.62	2.37	35.66	2.44	37.02	2.48
	77.0	28.85	2.39	30.21	2.44	31.57	2.48	32.25	2.50	34.29	2.57	35.65	2.62
	86.0	27.48	2.54	28.83	2.59	30.19	2.63	30.87	2.65	32.91	2.72	34.27	2.77
	89.6	26.93	2.60	28.29	2.65	29.64	2.69	30.32	2.72	32.36	2.78	33.72	2.83
	95.0	26.10	2.70	27.46	2.75	28.82	2.79	29.50	2.81	31.54	2.88	32.90	2.93
	104.0	23.67	2.56	24.76	2.56	25.82	2.56	26.35	2.56	27.88	2.56	28.87	2.56
	109.4	18.59	1.77	19.34	1.77	20.07	1.77	20.43	1.77	21.48	1.77	22.17	1.77
	114.8	11.59	0.98	12.01	0.98	12.41	0.98	12.61	0.98	13.19	0.98	13.57	0.98
CTXS07L + FDXS09L + FDXS09L + FTXS15L	68.0	31.15	2.55	32.55	2.60	33.95	2.65	34.65	2.67	36.75	2.75	38.15	2.80
	77.0	29.73	2.70	31.13	2.75	32.53	2.80	33.23	2.83	35.33	2.90	36.73	2.95
	86.0	28.31	2.87	29.71	2.92	31.12	2.97	31.82	2.99	33.92	3.07	35.32	3.12
	89.6	27.75	2.94	29.15	2.99	30.55	3.04	31.25	3.06	33.35	3.14	34.75	3.19
	95.0	26.90	3.05	28.30	3.10	29.70	3.15	30.40	3.17	32.50	3.25	33.90	3.30
	104.0	23.69	2.56	24.74	2.56	25.76	2.56	26.26	2.56	27.74	2.56	28.69	2.56
	109.4	18.75	1.77	19.47	1.77	20.17	1.77	20.51	1.77	21.53	1.77	22.19	1.77
	114.8	11.76	0.98	12.15	0.98	12.54	0.98	12.73	0.98	13.29	0.98	13.66	0.98
CTXS07L + FDXS09L + FDXS09L + CDXS15L	68.0	29.61	2.28	30.94	2.33	32.27	2.37	32.94	2.39	34.93	2.46	36.27	2.51
	77.0	28.26	2.42	29.59	2.46	30.93	2.51	31.59	2.53	33.59	2.60	34.92	2.65
	86.0	26.92	2.57	28.25	2.61	29.58	2.66	30.25	2.68	32.24	2.75	33.57	2.79
	89.6	26.38	2.63	27.71	2.68	29.04	2.72	29.71	2.74	31.70	2.81	33.04	2.86
	95.0	25.57	2.73	26.90	2.77	28.23	2.82	28.90	2.84	30.90	2.91	32.23	2.96
	104.0	23.16	2.56	24.22	2.56	25.26	2.56	25.77	2.56	27.27	2.56	28.24	2.56
	109.4	18.27	1.77	19.00	1.77	19.72	1.77	20.07	1.77	21.10	1.77	21.77	1.77
	114.8	11.44	0.98	11.84	0.98	12.23	0.98	12.43	0.98	13.00	0.98	13.37	0.98
CTXS07L + CTXS09H + CTXS09H + FTXS18L	68.0	32.17	2.51	33.62	2.56	35.06	2.61	35.79	2.63	37.96	2.71	39.40	2.76
	77.0	30.71	2.66	32.15	2.71	33.60	2.76	34.32	2.78	36.49	2.86	37.94	2.91
	86.0	29.25	2.82	30.69	2.87	32.14	2.92	32.86	2.95	35.03	3.02	36.48	3.07
	89.6	28.66	2.89	30.11	2.94	31.55	2.99	32.28	3.01	34.45	3.09	35.89	3.14
	95.0	27.78	3.00	29.23	3.05	30.68	3.10	31.40	3.12	33.57	3.20	35.02	3.25
	104.0	24.42	2.56	25.50	2.56	26.56	2.56	27.07	2.56	28.59	2.56	29.58	2.56
	109.4	19.20	1.77	19.94	1.77	20.66	1.77	21.02	1.77	22.07	1.77	22.75	1.77
	114.8	11.98	0.98	12.39	0.98	12.79	0.98	12.98	0.98	13.56	0.98	13.94	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS09H + CDXS18L	68.0	30.94	2.29	32.33	2.33	33.72	2.38	34.42	2.40	36.51	2.47	37.90	2.52
	77.0	29.53	2.43	30.93	2.47	32.32	2.52	33.01	2.54	35.10	2.61	36.49	2.65
	86.0	28.13	2.58	29.52	2.62	30.91	2.67	31.61	2.69	33.69	2.76	35.08	2.80
	89.6	27.57	2.64	28.96	2.69	30.35	2.73	31.04	2.75	33.13	2.82	34.52	2.87
	95.0	26.72	2.74	28.11	2.78	29.50	2.83	30.20	2.85	32.29	2.92	33.68	2.97
	104.0	24.09	2.56	25.19	2.56	26.27	2.56	26.79	2.56	28.34	2.56	29.34	2.56
	109.4	18.88	1.77	19.64	1.77	20.37	1.77	20.74	1.77	21.80	1.77	22.49	1.77
	114.8	11.75	0.98	12.17	0.98	12.57	0.98	12.77	0.98	13.36	0.98	13.74	0.98
CTXS07L + CTXS09H + FDXS09L + FTXS18L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS07L + CTXS09H + FDXS09L + CDXS18L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
	114.8	11.62	0.98	12.03	0.98	12.43	0.98	12.63	0.98	13.21	0.98	13.58	0.98
CTXS07L + FDXS09L + FDXS09L + FTXS18L	68.0	31.35	2.55	32.76	2.60	34.17	2.65	34.87	2.67	36.99	2.75	38.40	2.80
	77.0	29.93	2.70	31.33	2.75	32.74	2.80	33.45	2.83	35.56	2.90	36.97	2.95
	86.0	28.50	2.87	29.91	2.92	31.32	2.97	32.02	2.99	34.14	3.07	35.55	3.12
	89.6	27.93	2.94	29.34	2.99	30.75	3.04	31.45	3.06	33.57	3.14	34.98	3.19
	95.0	27.08	3.05	28.49	3.10	29.90	3.15	30.60	3.17	32.71	3.25	34.12	3.30
	104.0	23.83	2.56	24.88	2.56	25.90	2.56	26.41	2.56	27.89	2.56	28.85	2.56
	109.4	18.83	1.77	19.56	1.77	20.26	1.77	20.61	1.77	21.63	1.77	22.29	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS07L + FDXS09L + FDXS09L + CDXS18L	68.0	29.92	2.38	31.26	2.42	32.61	2.47	33.28	2.50	35.30	2.57	36.64	2.61
	77.0	28.56	2.52	29.90	2.57	31.25	2.61	31.92	2.64	33.94	2.71	35.28	2.76
	86.0	27.20	2.68	28.54	2.72	29.89	2.77	30.56	2.79	32.58	2.87	33.92	2.91
	89.6	26.65	2.74	28.00	2.79	29.34	2.84	30.02	2.86	32.03	2.93	33.38	2.98
	95.0	25.84	2.84	27.18	2.89	28.53	2.94	29.20	2.96	31.22	3.03	32.56	3.08
	104.0	23.15	2.56	24.20	2.56	25.22	2.56	25.73	2.56	27.20	2.56	28.16	2.56
	109.4	18.31	1.77	19.03	1.77	19.74	1.77	20.09	1.77	21.10	1.77	21.76	1.77
	114.8	11.48	0.98	11.88	0.98	12.27	0.98	12.46	0.98	13.02	0.98	13.39	0.98
CTXS07L + CTXS09H + CTXS12H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
	114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + CTXS12H + FDXS12L	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS07L + CTXS09H + FDXS12L + FDXS12L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + FDXS09L + CTXS12H + CTXS12H	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS07L + FDXS09L + CTXS12H + FDXS12L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + FDXS09L + FDXS12L + FDXS12L	68.0	30.53	2.75	31.90	2.81	33.28	2.86	33.96	2.89	36.02	2.97	37.40	3.03
	77.0	29.14	2.92	30.52	2.97	31.89	3.03	32.58	3.06	34.63	3.14	36.01	3.19
	86.0	27.76	3.10	29.13	3.16	30.50	3.21	31.19	3.24	33.25	3.32	34.62	3.38
	89.6	27.20	3.18	28.57	3.23	29.95	3.29	30.63	3.31	32.69	3.40	34.06	3.45
	95.0	26.37	3.30	27.74	3.35	29.11	3.41	29.80	3.43	31.86	3.52	33.23	3.57
	104.0	23.19	2.56	24.19	2.56	25.16	2.56	25.64	2.56	27.04	2.56	27.95	2.56
	109.4	18.53	1.77	19.21	1.77	19.88	1.77	20.21	1.77	21.18	1.77	21.81	1.77
	114.8	11.70	0.98	12.08	0.98	12.45	0.98	12.63	0.98	13.17	0.98	13.51	0.98
CTXS07L + CTXS09H + CTXS12H + FTXS15L	68.0	32.17	2.55	33.62	2.60	35.06	2.66	35.79	2.68	37.96	2.76	39.40	2.81
	77.0	30.71	2.71	32.15	2.76	33.60	2.81	34.32	2.83	36.49	2.91	37.94	2.96
	86.0	29.25	2.87	30.69	2.93	32.14	2.98	32.86	3.00	35.03	3.08	36.48	3.13
	89.6	28.66	2.95	30.11	3.00	31.55	3.05	32.28	3.07	34.45	3.15	35.89	3.20
	95.0	27.78	3.06	29.23	3.11	30.68	3.16	31.40	3.18	33.57	3.26	35.02	3.31
	104.0	24.34	2.56	25.41	2.56	26.46	2.56	26.97	2.56	28.48	2.56	29.45	2.56
	109.4	19.17	1.77	19.91	1.77	20.62	1.77	20.98	1.77	22.02	1.77	22.69	1.77
	114.8	11.98	0.98	12.38	0.98	12.78	0.98	12.97	0.98	13.55	0.98	13.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS12H + CDXS15L	68.0	30.94	2.29	32.33	2.33	33.72	2.38	34.42	2.40	36.51	2.47	37.90	2.52
	77.0	29.53	2.43	30.93	2.47	32.32	2.52	33.01	2.54	35.10	2.61	36.49	2.65
	86.0	28.13	2.58	29.52	2.62	30.91	2.67	31.61	2.69	33.69	2.76	35.08	2.80
	89.6	27.57	2.64	28.96	2.69	30.35	2.73	31.04	2.75	33.13	2.82	34.52	2.87
	95.0	26.72	2.74	28.11	2.78	29.50	2.83	30.20	2.85	32.29	2.92	33.68	2.97
	104.0	24.09	2.56	25.19	2.56	26.27	2.56	26.79	2.56	28.34	2.56	29.34	2.56
	109.4	18.88	1.77	19.64	1.77	20.37	1.77	20.74	1.77	21.80	1.77	22.49	1.77
	114.8	11.75	0.98	12.17	0.98	12.57	0.98	12.77	0.98	13.36	0.98	13.74	0.98
CTXS07L + CTXS09H + FDXS12L + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS07L + CTXS09H + FDXS12L + CDXS15L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
	114.8	11.62	0.98	12.03	0.98	12.43	0.98	12.63	0.98	13.21	0.98	13.58	0.98
CTXS07L + FDXS09L + CTXS12H + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS07L + FDXS09L + CTXS12H + CDXS15L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
	114.8	11.62	0.98	12.03	0.98	12.43	0.98	12.63	0.98	13.21	0.98	13.58	0.98
CTXS07L + FDXS09L + FDXS12L + FTXS15L	68.0	31.35	2.59	32.76	2.65	34.17	2.70	34.87	2.72	36.99	2.80	38.40	2.85
	77.0	29.93	2.75	31.33	2.80	32.74	2.85	33.45	2.88	35.56	2.96	36.97	3.01
	86.0	28.50	2.92	29.91	2.97	31.32	3.02	32.02	3.05	34.14	3.13	35.55	3.18
	89.6	27.93	2.99	29.34	3.04	30.75	3.10	31.45	3.12	33.57	3.20	34.98	3.25
	95.0	27.08	3.10	28.49	3.16	29.90	3.21	30.60	3.23	32.71	3.31	34.12	3.36
	104.0	23.77	2.56	24.81	2.56	25.83	2.56	26.33	2.56	27.80	2.56	28.75	2.56
	109.4	18.82	1.77	19.54	1.77	20.24	1.77	20.58	1.77	21.59	1.77	22.25	1.77
	114.8	11.81	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.70	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L + FDXS12L + CDXS15L	68.0	29.92	2.38	31.26	2.42	32.61	2.47	33.28	2.50	35.30	2.57	36.64	2.61
	77.0	28.56	2.52	29.90	2.57	31.25	2.61	31.92	2.64	33.94	2.71	35.28	2.76
	86.0	27.20	2.68	28.54	2.72	29.89	2.77	30.56	2.79	32.58	2.87	33.92	2.91
	89.6	26.65	2.74	28.00	2.79	29.34	2.84	30.02	2.86	32.03	2.93	33.38	2.98
	95.0	25.84	2.84	27.18	2.89	28.53	2.94	29.20	2.96	31.22	3.03	32.56	3.08
	104.0	23.15	2.56	24.20	2.56	25.22	2.56	25.73	2.56	27.20	2.56	28.16	2.56
	109.4	18.31	1.77	19.03	1.77	19.74	1.77	20.09	1.77	21.10	1.77	21.76	1.77
	114.8	11.48	0.98	11.88	0.98	12.27	0.98	12.46	0.98	13.02	0.98	13.39	0.98
CTXS07L + CTXS12H + CTXS12H + CTXS12H	68.0	31.86	2.54	33.30	2.59	34.73	2.64	35.44	2.66	37.59	2.74	39.03	2.79
	77.0	30.41	2.69	31.85	2.74	33.28	2.79	34.00	2.82	36.15	2.89	37.58	2.94
	86.0	28.97	2.86	30.40	2.91	31.83	2.96	32.55	2.98	34.70	3.06	36.13	3.11
	89.6	28.39	2.93	29.82	2.98	31.25	3.03	31.97	3.05	34.12	3.13	35.55	3.18
	95.0	27.52	3.04	28.95	3.09	30.38	3.14	31.10	3.16	33.25	3.24	34.68	3.29
	104.0	24.17	2.56	25.23	2.56	26.27	2.56	26.79	2.56	28.29	2.56	29.26	2.56
	109.4	19.05	1.77	19.78	1.77	20.50	1.77	20.85	1.77	21.88	1.77	22.55	1.77
	114.8	11.91	0.98	12.32	0.98	12.71	0.98	12.90	0.98	13.47	0.98	13.85	0.98
CTXS07L + CTXS12H + CTXS12H + FDXS12L	68.0	31.45	2.62	32.87	2.67	34.28	2.72	34.99	2.75	37.11	2.83	38.52	2.88
	77.0	30.02	2.78	31.44	2.83	32.85	2.88	33.56	2.91	35.68	2.98	37.09	3.04
	86.0	28.59	2.95	30.01	3.00	31.42	3.05	32.13	3.08	34.25	3.16	35.67	3.21
	89.6	28.02	3.02	29.44	3.07	30.85	3.12	31.56	3.15	33.68	3.23	35.09	3.28
	95.0	27.16	3.13	28.58	3.19	29.99	3.24	30.70	3.26	32.82	3.34	34.24	3.39
	104.0	23.81	2.56	24.85	2.56	25.87	2.56	26.37	2.56	27.83	2.56	28.78	2.56
	109.4	18.86	1.77	19.58	1.77	20.27	1.77	20.62	1.77	21.63	1.77	22.28	1.77
	114.8	11.84	0.98	12.23	0.98	12.62	0.98	12.80	0.98	13.36	0.98	13.72	0.98
CTXS07L + CTXS12H + FDXS12L + FDXS12L	68.0	31.04	2.68	32.44	2.74	33.83	2.79	34.53	2.82	36.63	2.90	38.02	2.95
	77.0	29.63	2.84	31.03	2.90	32.42	2.95	33.12	2.98	35.22	3.06	36.61	3.11
	86.0	28.22	3.02	29.62	3.07	31.01	3.13	31.71	3.15	33.80	3.23	35.20	3.29
	89.6	27.66	3.09	29.05	3.15	30.45	3.20	31.15	3.23	33.24	3.31	34.64	3.36
	95.0	26.81	3.21	28.21	3.26	29.60	3.32	30.30	3.34	32.39	3.42	33.79	3.48
	104.0	23.52	2.56	24.53	2.56	25.53	2.56	26.02	2.56	27.45	2.56	28.39	2.56
	109.4	18.70	1.77	19.40	1.77	20.09	1.77	20.42	1.77	21.41	1.77	22.06	1.77
	114.8	11.77	0.98	12.16	0.98	12.54	0.98	12.72	0.98	13.27	0.98	13.62	0.98
CTXS07L + FDXS12L + FDXS12L + FDXS12L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98
CTXS09H + CTXS09H + CTXS09H + CTXS09H	68.0	31.45	2.38	32.87	2.43	34.28	2.48	34.99	2.50	37.11	2.58	38.52	2.62
	77.0	30.02	2.53	31.44	2.58	32.85	2.62	33.56	2.65	35.68	2.72	37.09	2.77
	86.0	28.59	2.68	30.01	2.73	31.42	2.78	32.13	2.80	34.25	2.88	35.67	2.92
	89.6	28.02	2.75	29.44	2.80	30.85	2.85	31.56	2.87	33.68	2.94	35.09	2.99
	95.0	27.16	2.85	28.58	2.90	29.99	2.95	30.70	2.97	32.82	3.04	34.24	3.09
	104.0	24.19	2.56	25.28	2.56	26.34	2.56	26.87	2.56	28.40	2.56	29.39	2.56
	109.4	18.99	1.77	19.74	1.77	20.47	1.77	20.83	1.77	21.88	1.77	22.57	1.77
	114.8	11.84	0.98	12.25	0.98	12.65	0.98	12.85	0.98	13.43	0.98	13.81	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + CTXS09H + FDXS09L	68.0	30.94	2.40	32.33	2.45	33.72	2.50	34.42	2.52	36.51	2.59	37.90	2.64
	77.0	29.53	2.55	30.93	2.59	32.32	2.64	33.01	2.67	35.10	2.74	36.49	2.78
	86.0	28.13	2.70	29.52	2.75	30.91	2.80	31.61	2.82	33.69	2.89	35.08	2.94
	89.6	27.57	2.77	28.96	2.82	30.35	2.87	31.04	2.89	33.13	2.96	34.52	3.01
	95.0	26.72	2.87	28.11	2.92	29.50	2.97	30.20	2.99	32.29	3.06	33.68	3.11
	104.0	23.80	2.56	24.87	2.56	25.92	2.56	26.43	2.56	27.94	2.56	28.92	2.56
	109.4	18.75	1.77	19.48	1.77	20.20	1.77	20.56	1.77	21.60	1.77	22.27	1.77
	114.8	11.72	0.98	12.12	0.98	12.52	0.98	12.71	0.98	13.29	0.98	13.66	0.98
CTXS09H + CTXS09H + FDXS09L + FDXS09L	68.0	30.63	2.52	32.01	2.57	33.39	2.62	34.08	2.65	36.14	2.72	37.52	2.77
	77.0	29.24	2.67	30.62	2.72	32.00	2.77	32.68	2.80	34.75	2.87	36.13	2.92
	86.0	27.85	2.84	29.23	2.89	30.60	2.94	31.29	2.96	33.36	3.04	34.74	3.09
	89.6	27.29	2.91	28.67	2.96	30.05	3.01	30.74	3.03	32.80	3.11	34.18	3.16
	95.0	26.46	3.02	27.83	3.07	29.21	3.12	29.90	3.14	31.97	3.22	33.34	3.27
	104.0	23.39	2.56	24.43	2.56	25.44	2.56	25.94	2.56	27.40	2.56	28.35	2.56
	109.4	18.54	1.77	19.25	1.77	19.95	1.77	20.29	1.77	21.30	1.77	21.96	1.77
	114.8	11.64	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.17	0.98	13.53	0.98
CTXS09H + FDXS09L + FDXS09L + FDXS09L	68.0	30.33	2.65	31.69	2.70	33.05	2.76	33.73	2.78	35.78	2.86	37.14	2.91
	77.0	28.95	2.81	30.31	2.86	31.67	2.92	32.36	2.94	34.40	3.02	35.77	3.07
	86.0	27.57	2.98	28.93	3.04	30.30	3.09	30.98	3.12	33.02	3.19	34.39	3.25
	89.6	27.02	3.06	28.38	3.11	29.75	3.16	30.43	3.19	32.47	3.27	33.84	3.32
	95.0	26.19	3.17	27.55	3.22	28.92	3.28	29.60	3.30	31.65	3.38	33.01	3.44
	104.0	23.09	2.56	24.09	2.56	25.08	2.56	25.56	2.56	26.98	2.56	27.90	2.56
	109.4	18.41	1.77	19.10	1.77	19.78	1.77	20.11	1.77	21.09	1.77	21.72	1.77
	114.8	11.61	0.98	11.99	0.98	12.37	0.98	12.55	0.98	13.09	0.98	13.44	0.98
FDXS09L + FDXS09L + FDXS09L + FDXS09L	68.0	29.81	2.77	31.15	2.83	32.49	2.88	33.16	2.91	35.18	2.99	36.52	3.05
	77.0	28.46	2.94	29.80	2.99	31.14	3.05	31.81	3.08	33.82	3.16	35.16	3.21
	86.0	27.10	3.12	28.44	3.17	29.78	3.23	30.45	3.26	32.47	3.34	33.81	3.39
	89.6	26.56	3.20	27.90	3.25	29.24	3.31	29.91	3.33	31.92	3.42	33.26	3.47
	95.0	25.75	3.32	27.09	3.37	28.43	3.43	29.10	3.45	31.11	3.54	32.45	3.59
	104.0	22.77	2.56	23.74	2.56	24.70	2.56	25.17	2.56	26.54	2.56	27.44	2.56
	109.4	18.26	1.77	18.93	1.77	19.59	1.77	19.91	1.77	20.86	1.77	21.48	1.77
	114.8	11.57	0.98	11.94	0.98	12.30	0.98	12.48	0.98	13.01	0.98	13.35	0.98
CTXS09H + CTXS09H + CTXS09H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
	114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98
CTXS09H + CTXS09H + CTXS09H + FDXS12L	68.0	31.25	2.51	32.65	2.56	34.06	2.61	34.76	2.63	36.87	2.71	38.27	2.76
	77.0	29.83	2.66	31.23	2.71	32.64	2.76	33.34	2.78	35.45	2.86	36.85	2.91
	86.0	28.41	2.82	29.81	2.87	31.22	2.92	31.92	2.95	34.03	3.02	35.43	3.07
	89.6	27.84	2.89	29.24	2.94	30.65	2.99	31.35	3.01	33.46	3.09	34.87	3.14
	95.0	26.99	3.00	28.39	3.05	29.80	3.10	30.50	3.12	32.61	3.20	34.01	3.25
	104.0	23.82	2.56	24.87	2.56	25.90	2.56	26.41	2.56	27.90	2.56	28.86	2.56
	109.4	18.81	1.77	19.53	1.77	20.24	1.77	20.59	1.77	21.62	1.77	22.28	1.77
	114.8	11.78	0.98	12.18	0.98	12.57	0.98	12.76	0.98	13.33	0.98	13.69	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CTXS09H + FDXS09L + CTXS12H	68.0	31.25	2.51	32.65	2.56	34.06	2.61	34.76	2.63	36.87	2.71	38.27	2.76
	77.0	29.83	2.66	31.23	2.71	32.64	2.76	33.34	2.78	35.45	2.86	36.85	2.91
	86.0	28.41	2.82	29.81	2.87	31.22	2.92	31.92	2.95	34.03	3.02	35.43	3.07
	89.6	27.84	2.89	29.24	2.94	30.65	2.99	31.35	3.01	33.46	3.09	34.87	3.14
	95.0	26.99	3.00	28.39	3.05	29.80	3.10	30.50	3.12	32.61	3.20	34.01	3.25
	104.0	23.82	2.56	24.87	2.56	25.90	2.56	26.41	2.56	27.90	2.56	28.86	2.56
	109.4	18.81	1.77	19.53	1.77	20.24	1.77	20.59	1.77	21.62	1.77	22.28	1.77
	114.8	11.78	0.98	12.18	0.98	12.57	0.98	12.76	0.98	13.33	0.98	13.69	0.98
CTXS09H + CTXS09H + FDXS09L + FDXS12L	68.0	30.84	2.58	32.22	2.63	33.61	2.68	34.30	2.71	36.38	2.78	37.77	2.83
	77.0	29.44	2.73	30.82	2.78	32.21	2.84	32.90	2.86	34.98	2.94	36.37	2.99
	86.0	28.03	2.90	29.42	2.95	30.81	3.00	31.50	3.03	33.58	3.11	34.97	3.16
	89.6	27.47	2.97	28.86	3.02	30.25	3.08	30.94	3.10	33.02	3.18	34.41	3.23
	95.0	26.63	3.08	28.02	3.14	29.41	3.19	30.10	3.21	32.18	3.29	33.57	3.34
	104.0	23.46	2.56	24.49	2.56	25.50	2.56	26.00	2.56	27.45	2.56	28.39	2.56
	109.4	18.61	1.77	19.32	1.77	20.02	1.77	20.36	1.77	21.36	1.77	22.01	1.77
	114.8	11.70	0.98	12.09	0.98	12.47	0.98	12.66	0.98	13.21	0.98	13.57	0.98
CTXS09H + FDXS09L + FDXS09L + CTXS12H	68.0	30.84	2.58	32.22	2.63	33.61	2.68	34.30	2.71	36.38	2.78	37.77	2.83
	77.0	29.44	2.73	30.82	2.78	32.21	2.84	32.90	2.86	34.98	2.94	36.37	2.99
	86.0	28.03	2.90	29.42	2.95	30.81	3.00	31.50	3.03	33.58	3.11	34.97	3.16
	89.6	27.47	2.97	28.86	3.02	30.25	3.08	30.94	3.10	33.02	3.18	34.41	3.23
	95.0	26.63	3.08	28.02	3.14	29.41	3.19	30.10	3.21	32.18	3.29	33.57	3.34
	104.0	23.46	2.56	24.49	2.56	25.50	2.56	26.00	2.56	27.45	2.56	28.39	2.56
	109.4	18.61	1.77	19.32	1.77	20.02	1.77	20.36	1.77	21.36	1.77	22.01	1.77
	114.8	11.70	0.98	12.09	0.98	12.47	0.98	12.66	0.98	13.21	0.98	13.57	0.98
CTXS09H + FDXS09L + FDXS09L + FDXS12L	68.0	30.43	2.70	31.80	2.75	33.16	2.81	33.85	2.83	35.90	2.91	37.27	2.97
	77.0	29.05	2.86	30.41	2.91	31.78	2.97	32.47	2.99	34.52	3.08	35.89	3.13
	86.0	27.66	3.04	29.03	3.09	30.40	3.15	31.08	3.17	33.14	3.25	34.50	3.31
	89.6	27.11	3.11	28.48	3.17	29.85	3.22	30.53	3.25	32.58	3.33	33.95	3.38
	95.0	26.28	3.23	27.65	3.28	29.02	3.34	29.70	3.36	31.75	3.44	33.12	3.50
	104.0	23.14	2.56	24.14	2.56	25.11	2.56	25.59	2.56	27.01	2.56	27.93	2.56
	109.4	18.46	1.77	19.15	1.77	19.82	1.77	20.16	1.77	21.13	1.77	21.76	1.77
	114.8	11.66	0.98	12.03	0.98	12.40	0.98	12.59	0.98	13.13	0.98	13.48	0.98
FDXS09L + FDXS09L + FDXS09L + CTXS12H	68.0	30.43	2.70	31.80	2.75	33.16	2.81	33.85	2.83	35.90	2.91	37.27	2.97
	77.0	29.05	2.86	30.41	2.91	31.78	2.97	32.47	2.99	34.52	3.08	35.89	3.13
	86.0	27.66	3.04	29.03	3.09	30.40	3.15	31.08	3.17	33.14	3.25	34.50	3.31
	89.6	27.11	3.11	28.48	3.17	29.85	3.22	30.53	3.25	32.58	3.33	33.95	3.38
	95.0	26.28	3.23	27.65	3.28	29.02	3.34	29.70	3.36	31.75	3.44	33.12	3.50
	104.0	23.14	2.56	24.14	2.56	25.11	2.56	25.59	2.56	27.01	2.56	27.93	2.56
	109.4	18.46	1.77	19.15	1.77	19.82	1.77	20.16	1.77	21.13	1.77	21.76	1.77
	114.8	11.66	0.98	12.03	0.98	12.40	0.98	12.59	0.98	13.13	0.98	13.48	0.98
FDXS09L + FDXS09L + FDXS09L + FDXS12L	68.0	30.12	2.87	31.48	2.93	32.83	2.99	33.51	3.02	35.54	3.10	36.89	3.16
	77.0	28.75	3.05	30.11	3.11	31.46	3.16	32.14	3.19	34.17	3.28	35.52	3.33
	86.0	27.38	3.24	28.74	3.29	30.09	3.35	30.77	3.38	32.80	3.47	34.16	3.52
	89.6	26.84	3.32	28.19	3.37	29.54	3.43	30.22	3.46	32.25	3.55	33.61	3.60
	95.0	26.01	3.44	27.37	3.50	28.72	3.56	29.40	3.58	31.43	3.67	32.79	3.73
	104.0	23.00	2.56	23.96	2.56	24.91	2.56	25.38	2.56	26.75	2.56	27.64	2.56
	109.4	18.46	1.77	19.13	1.77	19.78	1.77	20.10	1.77	21.04	1.77	21.66	1.77
	114.8	11.71	0.98	12.07	0.98	12.43	0.98	12.61	0.98	13.13	0.98	13.47	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + CTXS09H + FTXS15L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98
CTXS09H + CTXS09H + CTXS09H + CDXS15L	68.0	31.45	2.44	32.87	2.49	34.28	2.54	34.99	2.56	37.11	2.64	38.52	2.68
	77.0	30.02	2.59	31.44	2.64	32.85	2.69	33.56	2.71	35.68	2.78	37.09	2.83
	86.0	28.59	2.75	30.01	2.80	31.42	2.85	32.13	2.87	34.25	2.94	35.67	2.99
	89.6	28.02	2.82	29.44	2.86	30.85	2.91	31.56	2.94	33.68	3.01	35.09	3.06
	95.0	27.16	2.92	28.58	2.97	29.99	3.02	30.70	3.04	32.82	3.12	34.24	3.16
	104.0	24.07	2.56	25.14	2.56	26.19	2.56	26.71	2.56	28.22	2.56	29.20	2.56
	109.4	18.94	1.77	19.68	1.77	20.40	1.77	20.75	1.77	21.80	1.77	22.47	1.77
	114.8	11.83	0.98	12.23	0.98	12.63	0.98	12.83	0.98	13.40	0.98	13.78	0.98
CTXS09H + CTXS09H + FDXS09L + FTXS15L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS09H + CTXS09H + FDXS09L + CDXS15L	68.0	31.04	2.51	32.44	2.56	33.83	2.61	34.53	2.64	36.63	2.71	38.02	2.76
	77.0	29.63	2.66	31.03	2.71	32.42	2.76	33.12	2.79	35.22	2.87	36.61	2.92
	86.0	28.22	2.83	29.62	2.88	31.01	2.93	31.71	2.95	33.80	3.03	35.20	3.08
	89.6	27.66	2.90	29.05	2.95	30.45	3.00	31.15	3.02	33.24	3.10	34.64	3.15
	95.0	26.81	3.01	28.21	3.06	29.60	3.11	30.30	3.13	32.39	3.21	33.79	3.26
	104.0	23.67	2.56	24.72	2.56	25.74	2.56	26.25	2.56	27.73	2.56	28.69	2.56
	109.4	18.72	1.77	19.44	1.77	20.14	1.77	20.49	1.77	21.51	1.77	22.17	1.77
	114.8	11.73	0.98	12.13	0.98	12.52	0.98	12.71	0.98	13.27	0.98	13.64	0.98
CTXS09H + FDXS09L + FDXS09L + FTXS15L	68.0	31.04	2.49	32.44	2.54	33.83	2.59	34.53	2.61	36.63	2.69	38.02	2.74
	77.0	29.63	2.64	31.03	2.69	32.42	2.74	33.12	2.76	35.22	2.84	36.61	2.89
	86.0	28.22	2.80	29.62	2.85	31.01	2.90	31.71	2.93	33.80	3.00	35.20	3.05
	89.6	27.66	2.87	29.05	2.92	30.45	2.97	31.15	3.00	33.24	3.07	34.64	3.12
	95.0	26.81	2.98	28.21	3.03	29.60	3.08	30.30	3.10	32.39	3.18	33.79	3.23
	104.0	23.71	2.56	24.76	2.56	25.79	2.56	26.30	2.56	27.78	2.56	28.74	2.56
	109.4	18.73	1.77	19.45	1.77	20.16	1.77	20.51	1.77	21.53	1.77	22.20	1.77
	114.8	11.73	0.98	12.13	0.98	12.52	0.98	12.71	0.98	13.28	0.98	13.65	0.98
CTXS09H + FDXS09L + FDXS09L + CDXS15L	68.0	30.63	2.53	32.01	2.58	33.39	2.63	34.08	2.66	36.14	2.73	37.52	2.78
	77.0	29.24	2.68	30.62	2.73	32.00	2.78	32.68	2.81	34.75	2.88	36.13	2.93
	86.0	27.85	2.85	29.23	2.90	30.60	2.95	31.29	2.97	33.36	3.05	34.74	3.10
	89.6	27.29	2.92	28.67	2.97	30.05	3.02	30.74	3.04	32.80	3.12	34.18	3.17
	95.0	26.46	3.03	27.83	3.08	29.21	3.13	29.90	3.15	31.97	3.23	33.34	3.28
	104.0	23.38	2.56	24.42	2.56	25.43	2.56	25.93	2.56	27.39	2.56	28.33	2.56
	109.4	18.54	1.77	19.25	1.77	19.95	1.77	20.29	1.77	21.29	1.77	21.95	1.77
	114.8	11.65	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.17	0.98	13.53	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FDXS09L + FTXS15L	68.0	30.63	2.56	32.01	2.61	33.39	2.66	34.08	2.69	36.14	2.77	37.52	2.82
	77.0	29.24	2.72	30.62	2.77	32.00	2.82	32.68	2.84	34.75	2.92	36.13	2.97
	86.0	27.85	2.88	29.23	2.93	30.60	2.99	31.29	3.01	33.36	3.09	34.74	3.14
	89.6	27.29	2.95	28.67	3.01	30.05	3.06	30.74	3.08	32.80	3.16	34.18	3.21
	95.0	26.46	3.07	27.83	3.12	29.21	3.17	29.90	3.19	31.97	3.27	33.34	3.32
	104.0	23.35	2.56	24.38	2.56	25.38	2.56	25.88	2.56	27.33	2.56	28.27	2.56
	109.4	18.53	1.77	19.24	1.77	19.93	1.77	20.27	1.77	21.27	1.77	21.92	1.77
	114.8	11.65	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.16	0.98	13.52	0.98
FDXS09L + FDXS09L + FDXS09L + CDXS15L	68.0	30.22	2.66	31.58	2.71	32.94	2.76	33.62	2.79	35.66	2.87	37.02	2.92
	77.0	28.85	2.82	30.21	2.87	31.57	2.92	32.25	2.95	34.29	3.03	35.65	3.08
	86.0	27.48	2.99	28.83	3.05	30.19	3.10	30.87	3.12	32.91	3.20	34.27	3.26
	89.6	26.93	3.07	28.29	3.12	29.64	3.17	30.32	3.20	32.36	3.28	33.72	3.33
	95.0	26.10	3.18	27.46	3.23	28.82	3.29	29.50	3.31	31.54	3.39	32.90	3.45
	104.0	23.02	2.56	24.02	2.56	25.00	2.56	25.48	2.56	26.90	2.56	27.82	2.56
	109.4	18.37	1.77	19.06	1.77	19.73	1.77	20.06	1.77	21.04	1.77	21.67	1.77
	114.8	11.60	0.98	11.97	0.98	12.35	0.98	12.53	0.98	13.07	0.98	13.42	0.98
CTXS09H + CTXS09H + CTXS09H + FTXS18L	68.0	32.17	2.51	33.62	2.56	35.06	2.61	35.79	2.63	37.96	2.71	39.40	2.76
	77.0	30.71	2.66	32.15	2.71	33.60	2.76	34.32	2.78	36.49	2.86	37.94	2.91
	86.0	29.25	2.82	30.69	2.87	32.14	2.92	32.86	2.95	35.03	3.02	36.48	3.07
	89.6	28.66	2.89	30.11	2.94	31.55	2.99	32.28	3.01	34.45	3.09	35.89	3.14
	95.0	27.78	3.00	29.23	3.05	30.68	3.10	31.40	3.12	33.57	3.20	35.02	3.25
	104.0	24.42	2.56	25.50	2.56	26.56	2.56	27.07	2.56	28.59	2.56	29.58	2.56
	109.4	19.20	1.77	19.94	1.77	20.66	1.77	21.02	1.77	22.07	1.77	22.75	1.77
	114.8	11.98	0.98	12.39	0.98	12.79	0.98	12.98	0.98	13.56	0.98	13.94	0.98
CTXS09H + CTXS09H + CTXS09H + CDXS18L	68.0	31.76	2.55	33.19	2.60	34.62	2.65	35.33	2.67	37.47	2.75	38.90	2.80
	77.0	30.32	2.70	31.74	2.75	33.17	2.80	33.89	2.83	36.03	2.90	37.46	2.95
	86.0	28.87	2.87	30.30	2.92	31.73	2.97	32.44	2.99	34.59	3.07	36.01	3.12
	89.6	28.30	2.94	29.72	2.99	31.15	3.04	31.87	3.06	34.01	3.14	35.44	3.19
	95.0	27.43	3.05	28.86	3.10	30.29	3.15	31.00	3.17	33.14	3.25	34.57	3.30
	104.0	24.09	2.56	25.15	2.56	26.19	2.56	26.70	2.56	28.19	2.56	29.16	2.56
	109.4	19.00	1.77	19.73	1.77	20.45	1.77	20.80	1.77	21.83	1.77	22.50	1.77
	114.8	11.89	0.98	12.29	0.98	12.68	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS09L + FTXS18L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS09L + CDXS18L	68.0	31.35	2.56	32.76	2.61	34.17	2.66	34.87	2.69	36.99	2.77	38.40	2.82
	77.0	29.93	2.72	31.33	2.77	32.74	2.82	33.45	2.84	35.56	2.92	36.97	2.97
	86.0	28.50	2.88	29.91	2.93	31.32	2.99	32.02	3.01	34.14	3.09	35.55	3.14
	89.6	27.93	2.95	29.34	3.01	30.75	3.06	31.45	3.08	33.57	3.16	34.98	3.21
	95.0	27.08	3.07	28.49	3.12	29.90	3.17	30.60	3.19	32.71	3.27	34.12	3.32
	104.0	23.81	2.56	24.85	2.56	25.88	2.56	26.38	2.56	27.86	2.56	28.81	2.56
	109.4	18.83	1.77	19.55	1.77	20.25	1.77	20.60	1.77	21.62	1.77	22.28	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + FDXS09L + FTXS18L	68.0	31.35	2.55	32.76	2.60	34.17	2.65	34.87	2.67	36.99	2.75	38.40	2.80
	77.0	29.93	2.70	31.33	2.75	32.74	2.80	33.45	2.83	35.56	2.90	36.97	2.95
	86.0	28.50	2.87	29.91	2.92	31.32	2.97	32.02	2.99	34.14	3.07	35.55	3.12
	89.6	27.93	2.94	29.34	2.99	30.75	3.04	31.45	3.06	33.57	3.14	34.98	3.19
	95.0	27.08	3.05	28.49	3.10	29.90	3.15	30.60	3.17	32.71	3.25	34.12	3.30
	104.0	23.83	2.56	24.88	2.56	25.90	2.56	26.41	2.56	27.89	2.56	28.85	2.56
	109.4	18.83	1.77	19.56	1.77	20.26	1.77	20.61	1.77	21.63	1.77	22.29	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS09H + FDXS09L + FDXS09L + CDXS18L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + FDXS09L + FTXS18L	68.0	30.94	2.62	32.33	2.67	33.72	2.72	34.42	2.75	36.51	2.83	37.90	2.88
	77.0	29.53	2.78	30.93	2.83	32.32	2.88	33.01	2.91	35.10	2.98	36.49	3.04
	86.0	28.13	2.95	29.52	3.00	30.91	3.05	31.61	3.08	33.69	3.16	35.08	3.21
	89.6	27.57	3.02	28.96	3.07	30.35	3.12	31.04	3.15	33.13	3.23	34.52	3.28
	95.0	26.72	3.13	28.11	3.19	29.50	3.24	30.20	3.26	32.29	3.34	33.68	3.39
	104.0	23.49	2.56	24.52	2.56	25.52	2.56	26.01	2.56	27.46	2.56	28.40	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.39	1.77	21.39	1.77	22.03	1.77
	114.8	11.73	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + FDXS09L + CDXS18L	68.0	30.53	2.76	31.90	2.82	33.28	2.87	33.96	2.90	36.02	2.98	37.40	3.04
	77.0	29.14	2.93	30.52	2.98	31.89	3.04	32.58	3.07	34.63	3.15	36.01	3.20
	86.0	27.76	3.11	29.13	3.16	30.50	3.22	31.19	3.25	33.25	3.33	34.62	3.39
	89.6	27.20	3.19	28.57	3.24	29.95	3.30	30.63	3.32	32.69	3.41	34.06	3.46
	95.0	26.37	3.31	27.74	3.36	29.11	3.42	29.80	3.44	31.86	3.53	33.23	3.58
	104.0	23.19	2.56	24.19	2.56	25.16	2.56	25.63	2.56	27.04	2.56	27.95	2.56
	109.4	18.53	1.77	19.22	1.77	19.88	1.77	20.21	1.77	21.18	1.77	21.81	1.77
	114.8	11.71	0.98	12.09	0.98	12.45	0.98	12.63	0.98	13.17	0.98	13.52	0.98
CTXS09H + CTXS09H + CTXS12H + CTXS12H	68.0	31.86	2.54	33.30	2.59	34.73	2.64	35.44	2.66	37.59	2.74	39.03	2.79
	77.0	30.41	2.69	31.85	2.74	33.28	2.79	34.00	2.82	36.15	2.89	37.58	2.94
	86.0	28.97	2.86	30.40	2.91	31.83	2.96	32.55	2.98	34.70	3.06	36.13	3.11
	89.6	28.39	2.93	29.82	2.98	31.25	3.03	31.97	3.05	34.12	3.13	35.55	3.18
	95.0	27.52	3.04	28.95	3.09	30.38	3.14	31.10	3.16	33.25	3.24	34.68	3.29
	104.0	24.17	2.56	25.23	2.56	26.27	2.56	26.79	2.56	28.29	2.56	29.26	2.56
	109.4	19.05	1.77	19.78	1.77	20.50	1.77	20.85	1.77	21.88	1.77	22.55	1.77
	114.8	11.91	0.98	12.32	0.98	12.71	0.98	12.90	0.98	13.47	0.98	13.85	0.98
CTXS09H + CTXS09H + CTXS12H + FDXS12L	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CTXS09H + FDXS12L + FDXS12L	68.0	31.15	2.68	32.55	2.74	33.95	2.79	34.65	2.82	36.75	2.90	38.15	2.95
	77.0	29.73	2.84	31.13	2.90	32.53	2.95	33.23	2.98	35.33	3.06	36.73	3.11
	86.0	28.31	3.02	29.71	3.07	31.12	3.13	31.82	3.15	33.92	3.23	35.32	3.29
	89.6	27.75	3.09	29.15	3.15	30.55	3.20	31.25	3.23	33.35	3.31	34.75	3.36
	95.0	26.90	3.21	28.30	3.26	29.70	3.32	30.40	3.34	32.50	3.42	33.90	3.48
	104.0	23.58	2.56	24.60	2.56	25.60	2.56	26.09	2.56	27.53	2.56	28.46	2.56
	109.4	18.74	1.77	19.44	1.77	20.13	1.77	20.47	1.77	21.46	1.77	22.10	1.77
	114.8	11.79	0.98	12.18	0.98	12.56	0.98	12.74	0.98	13.29	0.98	13.65	0.98
CTXS09H + FDXS09L + CTXS12H + CTXS12H	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS09H + FDXS09L + CTXS12H + FDXS12L	68.0	31.15	2.68	32.55	2.74	33.95	2.79	34.65	2.82	36.75	2.90	38.15	2.95
	77.0	29.73	2.84	31.13	2.90	32.53	2.95	33.23	2.98	35.33	3.06	36.73	3.11
	86.0	28.31	3.02	29.71	3.07	31.12	3.13	31.82	3.15	33.92	3.23	35.32	3.29
	89.6	27.75	3.09	29.15	3.15	30.55	3.20	31.25	3.23	33.35	3.31	34.75	3.36
	95.0	26.90	3.21	28.30	3.26	29.70	3.32	30.40	3.34	32.50	3.42	33.90	3.48
	104.0	23.58	2.56	24.60	2.56	25.60	2.56	26.09	2.56	27.53	2.56	28.46	2.56
	109.4	18.74	1.77	19.44	1.77	20.13	1.77	20.47	1.77	21.46	1.77	22.10	1.77
	114.8	11.79	0.98	12.18	0.98	12.56	0.98	12.74	0.98	13.29	0.98	13.65	0.98
CTXS09H + FDXS09L + FDXS12L + FDXS12L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98
FDXS09L + FDXS09L + CTXS12H + CTXS12H	68.0	31.15	2.68	32.55	2.74	33.95	2.79	34.65	2.82	36.75	2.90	38.15	2.95
	77.0	29.73	2.84	31.13	2.90	32.53	2.95	33.23	2.98	35.33	3.06	36.73	3.11
	86.0	28.31	3.02	29.71	3.07	31.12	3.13	31.82	3.15	33.92	3.23	35.32	3.29
	89.6	27.75	3.09	29.15	3.15	30.55	3.20	31.25	3.23	33.35	3.31	34.75	3.36
	95.0	26.90	3.21	28.30	3.26	29.70	3.32	30.40	3.34	32.50	3.42	33.90	3.48
	104.0	23.58	2.56	24.60	2.56	25.60	2.56	26.09	2.56	27.53	2.56	28.46	2.56
	109.4	18.74	1.77	19.44	1.77	20.13	1.77	20.47	1.77	21.46	1.77	22.10	1.77
	114.8	11.79	0.98	12.18	0.98	12.56	0.98	12.74	0.98	13.29	0.98	13.65	0.98
FDXS09L + FDXS09L + CTXS12H + FDXS12L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS12L + FDXS12L	68.0	30.22	2.93	31.58	2.99	32.94	3.05	33.62	3.08	35.66	3.16	37.02	3.22
	77.0	28.85	3.11	30.21	3.17	31.57	3.22	32.25	3.25	34.29	3.34	35.65	3.40
	86.0	27.48	3.30	28.83	3.36	30.19	3.42	30.87	3.45	32.91	3.53	34.27	3.59
	89.6	26.93	3.38	28.29	3.44	29.64	3.50	30.32	3.53	32.36	3.61	33.72	3.67
	95.0	26.10	3.51	27.46	3.57	28.82	3.62	29.50	3.65	31.54	3.74	32.90	3.80
	104.0	23.10	2.56	24.06	2.56	25.00	2.56	25.47	2.56	26.83	2.56	27.72	2.56
	109.4	18.56	1.77	19.22	1.77	19.87	1.77	20.19	1.77	21.13	1.77	21.74	1.77
	114.8	11.77	0.98	12.13	0.98	12.49	0.98	12.67	0.98	13.19	0.98	13.53	0.98
CTXS09H + CTXS09H + CTXS12H + FTXS15L	68.0	32.17	2.55	33.62	2.60	35.06	2.66	35.79	2.68	37.96	2.76	39.40	2.81
	77.0	30.71	2.71	32.15	2.76	33.60	2.81	34.32	2.83	36.49	2.91	37.94	2.96
	86.0	29.25	2.87	30.69	2.93	32.14	2.98	32.86	3.00	35.03	3.08	36.48	3.13
	89.6	28.66	2.95	30.11	3.00	31.55	3.05	32.28	3.07	34.45	3.15	35.89	3.20
	95.0	27.78	3.06	29.23	3.11	30.68	3.16	31.40	3.18	33.57	3.26	35.02	3.31
	104.0	24.34	2.56	25.41	2.56	26.46	2.56	26.97	2.56	28.48	2.56	29.45	2.56
	109.4	19.17	1.77	19.91	1.77	20.62	1.77	20.98	1.77	22.02	1.77	22.69	1.77
	114.8	11.98	0.98	12.38	0.98	12.78	0.98	12.97	0.98	13.55	0.98	13.92	0.98
CTXS09H + CTXS09H + CTXS12H + CDXS15L	68.0	31.76	2.55	33.19	2.60	34.62	2.65	35.33	2.67	37.47	2.75	38.90	2.80
	77.0	30.32	2.70	31.74	2.75	33.17	2.80	33.89	2.83	36.03	2.90	37.46	2.95
	86.0	28.87	2.87	30.30	2.92	31.73	2.97	32.44	2.99	34.59	3.07	36.01	3.12
	89.6	28.30	2.94	29.72	2.99	31.15	3.04	31.87	3.06	34.01	3.14	35.44	3.19
	95.0	27.43	3.05	28.86	3.10	30.29	3.15	31.00	3.17	33.14	3.25	34.57	3.30
	104.0	24.09	2.56	25.15	2.56	26.19	2.56	26.70	2.56	28.19	2.56	29.16	2.56
	109.4	19.00	1.77	19.73	1.77	20.45	1.77	20.80	1.77	21.83	1.77	22.50	1.77
	114.8	11.89	0.98	12.29	0.98	12.68	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS12L + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS12L + CDXS15L	68.0	31.35	2.56	32.76	2.61	34.17	2.66	34.87	2.69	36.99	2.77	38.40	2.82
	77.0	29.93	2.72	31.33	2.77	32.74	2.82	33.45	2.84	35.56	2.92	36.97	2.97
	86.0	28.50	2.88	29.91	2.93	31.32	2.99	32.02	3.01	34.14	3.09	35.55	3.14
	89.6	27.93	2.95	29.34	3.01	30.75	3.06	31.45	3.08	33.57	3.16	34.98	3.21
	95.0	27.08	3.07	28.49	3.12	29.90	3.17	30.60	3.19	32.71	3.27	34.12	3.32
	104.0	23.81	2.56	24.85	2.56	25.88	2.56	26.38	2.56	27.86	2.56	28.81	2.56
	109.4	18.83	1.77	19.55	1.77	20.25	1.77	20.60	1.77	21.62	1.77	22.28	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS09H + FDXS09L + CTXS12H + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FDXS09L + CTXS12H + CDXS15L	68.0	31.35	2.56	32.76	2.61	34.17	2.66	34.87	2.69	36.99	2.77	38.40	2.82
	77.0	29.93	2.72	31.33	2.77	32.74	2.82	33.45	2.84	35.56	2.92	36.97	2.97
	86.0	28.50	2.88	29.91	2.93	31.32	2.99	32.02	3.01	34.14	3.09	35.55	3.14
	89.6	27.93	2.95	29.34	3.01	30.75	3.06	31.45	3.08	33.57	3.16	34.98	3.21
	95.0	27.08	3.07	28.49	3.12	29.90	3.17	30.60	3.19	32.71	3.27	34.12	3.32
	104.0	23.81	2.56	24.85	2.56	25.88	2.56	26.38	2.56	27.86	2.56	28.81	2.56
	109.4	18.83	1.77	19.55	1.77	20.25	1.77	20.60	1.77	21.62	1.77	22.28	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS09H + FDXS09L + FDXS12L + FTXS15L	68.0	31.35	2.59	32.76	2.65	34.17	2.70	34.87	2.72	36.99	2.80	38.40	2.85
	77.0	29.93	2.75	31.33	2.80	32.74	2.85	33.45	2.88	35.56	2.96	36.97	3.01
	86.0	28.50	2.92	29.91	2.97	31.32	3.02	32.02	3.05	34.14	3.13	35.55	3.18
	89.6	27.93	2.99	29.34	3.04	30.75	3.10	31.45	3.12	33.57	3.20	34.98	3.25
	95.0	27.08	3.10	28.49	3.16	29.90	3.21	30.60	3.23	32.71	3.31	34.12	3.36
	104.0	23.77	2.56	24.81	2.56	25.83	2.56	26.33	2.56	27.80	2.56	28.75	2.56
	109.4	18.82	1.77	19.54	1.77	20.24	1.77	20.58	1.77	21.59	1.77	22.25	1.77
	114.8	11.81	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.70	0.98
CTXS09H + FDXS09L + FDXS12L + CDXS15L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + CTXS12H + FTXS15L	68.0	31.35	2.59	32.76	2.65	34.17	2.70	34.87	2.72	36.99	2.80	38.40	2.85
	77.0	29.93	2.75	31.33	2.80	32.74	2.85	33.45	2.88	35.56	2.96	36.97	3.01
	86.0	28.50	2.92	29.91	2.97	31.32	3.02	32.02	3.05	34.14	3.13	35.55	3.18
	89.6	27.93	2.99	29.34	3.04	30.75	3.10	31.45	3.12	33.57	3.20	34.98	3.25
	95.0	27.08	3.10	28.49	3.16	29.90	3.21	30.60	3.23	32.71	3.31	34.12	3.36
	104.0	23.77	2.56	24.81	2.56	25.83	2.56	26.33	2.56	27.80	2.56	28.75	2.56
	109.4	18.82	1.77	19.54	1.77	20.24	1.77	20.58	1.77	21.59	1.77	22.25	1.77
	114.8	11.81	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.70	0.98
FDXS09L + FDXS09L + CTXS12H + CDXS15L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + FDXS12L + FTXS15L	68.0	30.94	2.67	32.33	2.72	33.72	2.77	34.42	2.80	36.51	2.88	37.90	2.93
	77.0	29.53	2.83	30.93	2.88	32.32	2.93	33.01	2.96	35.10	3.04	36.49	3.09
	86.0	28.13	3.00	29.52	3.05	30.91	3.11	31.61	3.13	33.69	3.21	35.08	3.27
	89.6	27.57	3.08	28.96	3.13	30.35	3.18	31.04	3.21	33.13	3.29	34.52	3.34
	95.0	26.72	3.19	28.11	3.24	29.50	3.30	30.20	3.32	32.29	3.40	33.68	3.46
	104.0	23.46	2.56	24.48	2.56	25.47	2.56	25.96	2.56	27.40	2.56	28.33	2.56
	109.4	18.66	1.77	19.36	1.77	20.04	1.77	20.38	1.77	21.37	1.77	22.01	1.77
	114.8	11.75	0.98	12.13	0.98	12.51	0.98	12.69	0.98	13.24	0.98	13.60	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS12L + CDXS15L	68.0	30.53	2.76	31.90	2.82	33.28	2.87	33.96	2.90	36.02	2.98	37.40	3.04
	77.0	29.14	2.93	30.52	2.98	31.89	3.04	32.58	3.07	34.63	3.15	36.01	3.20
	86.0	27.76	3.11	29.13	3.16	30.50	3.22	31.19	3.25	33.25	3.33	34.62	3.39
	89.6	27.20	3.19	28.57	3.24	29.95	3.30	30.63	3.32	32.69	3.41	34.06	3.46
	95.0	26.37	3.31	27.74	3.36	29.11	3.42	29.80	3.44	31.86	3.53	33.23	3.58
	104.0	23.19	2.56	24.19	2.56	25.16	2.56	25.63	2.56	27.04	2.56	27.95	2.56
	109.4	18.53	1.77	19.22	1.77	19.88	1.77	20.21	1.77	21.18	1.77	21.81	1.77
	114.8	11.71	0.98	12.09	0.98	12.45	0.98	12.63	0.98	13.17	0.98	13.52	0.98
CTXS09H + CTXS12H + CTXS12H + CTXS12H	68.0	32.17	2.71	33.62	2.76	35.06	2.81	35.79	2.84	37.96	2.92	39.40	2.98
	77.0	30.71	2.87	32.15	2.92	33.60	2.98	34.32	3.00	36.49	3.08	37.94	3.14
	86.0	29.25	3.05	30.69	3.10	32.14	3.15	32.86	3.18	35.03	3.26	36.48	3.32
	89.6	28.66	3.12	30.11	3.18	31.55	3.23	32.28	3.26	34.45	3.34	35.89	3.39
	95.0	27.78	3.24	29.23	3.29	30.68	3.35	31.40	3.37	33.57	3.45	35.02	3.51
	104.0	24.19	2.56	25.23	2.56	26.25	2.56	26.75	2.56	28.22	2.56	29.17	2.56
	109.4	19.15	1.77	19.86	1.77	20.56	1.77	20.91	1.77	21.92	1.77	22.58	1.77
	114.8	12.01	0.98	12.41	0.98	12.79	0.98	12.98	0.98	13.54	0.98	13.90	0.98
CTXS09H + CTXS12H + CTXS12H + FDXS12L	68.0	31.76	2.72	33.19	2.78	34.62	2.83	35.33	2.86	37.47	2.94	38.90	2.99
	77.0	30.32	2.89	31.74	2.94	33.17	2.99	33.89	3.02	36.03	3.10	37.46	3.16
	86.0	28.87	3.06	30.30	3.12	31.73	3.17	32.44	3.20	34.59	3.28	36.01	3.34
	89.6	28.30	3.14	29.72	3.19	31.15	3.25	31.87	3.28	34.01	3.36	35.44	3.41
	95.0	27.43	3.26	28.86	3.31	30.29	3.37	31.00	3.39	33.14	3.47	34.57	3.53
	104.0	23.94	2.56	24.96	2.56	25.97	2.56	26.46	2.56	27.91	2.56	28.86	2.56
	109.4	18.99	1.77	19.70	1.77	20.39	1.77	20.73	1.77	21.73	1.77	22.38	1.77
	114.8	11.94	0.98	12.32	0.98	12.71	0.98	12.89	0.98	13.44	0.98	13.80	0.98
CTXS09H + CTXS12H + FDXS12L + FDXS12L	68.0	31.35	2.79	32.76	2.85	34.17	2.91	34.87	2.93	36.99	3.02	38.40	3.07
	77.0	29.93	2.96	31.33	3.02	32.74	3.07	33.45	3.10	35.56	3.19	36.97	3.24
	86.0	28.50	3.15	29.91	3.20	31.32	3.26	32.02	3.29	34.14	3.37	35.55	3.42
	89.6	27.93	3.22	29.34	3.28	30.75	3.33	31.45	3.36	33.57	3.45	34.98	3.50
	95.0	27.08	3.34	28.49	3.40	29.90	3.46	30.60	3.48	32.71	3.57	34.12	3.62
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.16	2.56	27.58	2.56	28.50	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.57	1.77	21.55	1.77	22.18	1.77
	114.8	11.89	0.98	12.27	0.98	12.64	0.98	12.83	0.98	13.37	0.98	13.72	0.98
CTXS09H + FDXS12L + FDXS12L + FDXS12L	68.0	30.94	2.92	32.33	2.98	33.72	3.04	34.42	3.07	36.51	3.16	37.90	3.21
	77.0	29.53	3.10	30.93	3.16	32.32	3.22	33.01	3.24	35.10	3.33	36.49	3.39
	86.0	28.13	3.29	29.52	3.35	30.91	3.41	31.61	3.44	33.69	3.52	35.08	3.58
	89.6	27.57	3.37	28.96	3.43	30.35	3.49	31.04	3.52	33.13	3.60	34.52	3.66
	95.0	26.72	3.50	28.11	3.56	29.50	3.61	30.20	3.64	32.29	3.73	33.68	3.79
	104.0	23.50	2.56	24.48	2.56	25.43	2.56	25.91	2.56	27.29	2.56	28.20	2.56
	109.4	18.81	1.77	19.48	1.77	20.14	1.77	20.47	1.77	21.42	1.77	22.04	1.77
	114.8	11.90	0.98	12.27	0.98	12.63	0.98	12.81	0.98	13.34	0.98	13.68	0.98
FDXS09L + CTXS12H + CTXS12H + CTXS12H	68.0	31.76	2.72	33.19	2.78	34.62	2.83	35.33	2.86	37.47	2.94	38.90	2.99
	77.0	30.32	2.89	31.74	2.94	33.17	2.99	33.89	3.02	36.03	3.10	37.46	3.16
	86.0	28.87	3.06	30.30	3.12	31.73	3.17	32.44	3.20	34.59	3.28	36.01	3.34
	89.6	28.30	3.14	29.72	3.19	31.15	3.25	31.87	3.28	34.01	3.36	35.44	3.41
	95.0	27.43	3.26	28.86	3.31	30.29	3.37	31.00	3.39	33.14	3.47	34.57	3.53
	104.0	23.94	2.56	24.96	2.56	25.97	2.56	26.46	2.56	27.91	2.56	28.86	2.56
	109.4	18.99	1.77	19.70	1.77	20.39	1.77	20.73	1.77	21.73	1.77	22.38	1.77
	114.8	11.94	0.98	12.32	0.98	12.71	0.98	12.89	0.98	13.44	0.98	13.80	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + CTXS12H + CTXS12H + FDXS12L	68.0	31.35	2.79	32.76	2.85	34.17	2.91	34.87	2.93	36.99	3.02	38.40	3.07
	77.0	29.93	2.96	31.33	3.02	32.74	3.07	33.45	3.10	35.56	3.19	36.97	3.24
	86.0	28.50	3.15	29.91	3.20	31.32	3.26	32.02	3.29	34.14	3.37	35.55	3.42
	89.6	27.93	3.22	29.34	3.28	30.75	3.33	31.45	3.36	33.57	3.45	34.98	3.50
	95.0	27.08	3.34	28.49	3.40	29.90	3.46	30.60	3.48	32.71	3.57	34.12	3.62
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.16	2.56	27.58	2.56	28.50	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.57	1.77	21.55	1.77	22.18	1.77
	114.8	11.89	0.98	12.27	0.98	12.64	0.98	12.83	0.98	13.37	0.98	13.72	0.98
FDXS09L + CTXS12H + FDXS12L + FDXS12L	68.0	30.94	2.92	32.33	2.98	33.72	3.04	34.42	3.07	36.51	3.16	37.90	3.21
	77.0	29.53	3.10	30.93	3.16	32.32	3.22	33.01	3.24	35.10	3.33	36.49	3.39
	86.0	28.13	3.29	29.52	3.35	30.91	3.41	31.61	3.44	33.69	3.52	35.08	3.58
	89.6	27.57	3.37	28.96	3.43	30.35	3.49	31.04	3.52	33.13	3.60	34.52	3.66
	95.0	26.72	3.50	28.11	3.56	29.50	3.61	30.20	3.64	32.29	3.73	33.68	3.79
	104.0	23.50	2.56	24.48	2.56	25.43	2.56	25.91	2.56	27.29	2.56	28.20	2.56
	109.4	18.81	1.77	19.48	1.77	20.14	1.77	20.47	1.77	21.42	1.77	22.04	1.77
	114.8	11.90	0.98	12.27	0.98	12.63	0.98	12.81	0.98	13.34	0.98	13.68	0.98
FDXS09L + FDXS12L + FDXS12L + FDXS12L	68.0	30.22	2.93	31.58	2.99	32.94	3.05	33.62	3.08	35.66	3.16	37.02	3.22
	77.0	28.85	3.11	30.21	3.17	31.57	3.22	32.25	3.25	34.29	3.34	35.65	3.40
	86.0	27.48	3.30	28.83	3.36	30.19	3.42	30.87	3.45	32.91	3.53	34.27	3.59
	89.6	26.93	3.38	28.29	3.44	29.64	3.50	30.32	3.53	32.36	3.61	33.72	3.67
	95.0	26.10	3.51	27.46	3.57	28.82	3.62	29.50	3.65	31.54	3.74	32.90	3.80
	104.0	23.10	2.56	24.06	2.56	25.00	2.56	25.47	2.56	26.83	2.56	27.72	2.56
	109.4	18.56	1.77	19.22	1.77	19.87	1.77	20.19	1.77	21.13	1.77	21.74	1.77
	114.8	11.77	0.98	12.13	0.98	12.49	0.98	12.67	0.98	13.19	0.98	13.53	0.98

**Symbols:**

- EWB : Entering wet bulb temp. (°F)
- EDB : Entering dry bulb temp. (°F)
- TC : Total capacity (kBtu/h)
- PI : Power input (kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

C: 3D078887 ~ 3D078889  
 C: 3D078890 ~ 3D078899  
 C: 3D078900 ~ 3D078909  
 C: 3D078910 ~ 3D078919



## Heating [60 Hz, 208 - 230 V]

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	60.8	5.33	0.92	6.40	0.97	7.48	1.02	8.55	1.07	9.84	1.12	10.69	1.16	11.77	1.21
	64.4	5.20	0.93	6.27	0.98	7.34	1.03	8.42	1.08	9.70	1.13	10.56	1.17	11.63	1.22
	68.0	5.07	0.95	6.14	0.99	7.21	1.04	8.29	1.09	9.57	1.14	10.43	1.18	11.50	1.23
	70.0	4.99	0.95	6.07	1.00	7.14	1.05	8.21	1.09	9.50	1.15	60.00	1.19	11.43	1.24
	71.6	4.94	0.96	6.01	1.00	7.08	1.05	8.15	1.10	9.44	1.15	10.30	1.19	11.37	1.24
	75.2	4.81	0.97	5.88	1.01	6.95	1.06	8.02	1.11	9.31	1.16	10.17	1.20	11.24	1.25
CTXS09H	60.8	6.84	1.13	8.22	1.19	9.60	1.25	10.98	1.31	12.63	1.38	13.73	1.42	15.11	1.48
	64.4	6.68	1.15	8.05	1.20	9.43	1.26	10.81	1.32	12.46	1.39	13.56	1.44	14.94	1.49
	68.0	6.51	1.16	7.89	1.22	9.26	1.28	10.64	1.33	12.29	1.40	13.40	1.45	14.77	1.51
	70.0	6.41	1.17	7.79	1.22	9.17	1.28	10.55	1.34	12.20	1.41	13.30	1.46	14.68	1.51
	71.6	6.34	1.17	7.72	1.23	9.09	1.29	10.47	1.35	12.13	1.42	13.23	1.46	14.60	1.52
	75.2	6.17	1.18	7.55	1.24	8.93	1.30	10.30	1.36	11.96	1.43	13.06	1.47	14.44	1.53
FDXS09L	60.8	6.51	1.19	7.82	1.25	9.13	1.31	10.44	1.37	12.01	1.45	13.06	1.49	14.37	1.56
	64.4	6.35	1.20	7.66	1.26	8.97	1.33	10.28	1.39	11.85	1.46	12.90	1.51	14.21	1.57
	68.0	6.19	1.22	7.50	1.28	8.81	1.34	10.12	1.40	11.69	1.47	12.74	1.52	14.05	1.58
	70.0	6.10	1.22	7.41	1.28	8.72	1.35	10.03	1.41	11.60	1.48	12.65	1.53	13.96	1.59
	71.6	6.03	1.23	7.34	1.29	8.65	1.35	9.96	1.41	11.53	1.49	12.58	1.53	13.89	1.60
	75.2	5.87	1.24	7.18	1.30	8.49	1.37	9.80	1.43	11.37	1.50	12.42	1.55	13.73	1.61
CTXS12H	60.8	9.14	1.49	10.99	1.56	12.83	1.64	14.67	1.72	16.88	1.81	18.35	1.87	20.19	1.94
	64.4	8.92	1.50	10.76	1.58	12.60	1.66	14.44	1.73	16.65	1.82	18.12	1.89	19.96	1.96
	68.0	8.69	1.52	10.54	1.60	12.38	1.67	14.22	1.75	16.43	1.84	17.90	1.90	19.74	1.98
	70.0	8.57	1.53	10.41	1.61	12.25	1.68	14.09	1.76	16.30	1.85	17.77	1.91	19.61	1.99
	71.6	8.47	1.54	10.31	1.61	12.15	1.69	13.99	1.77	16.20	1.86	17.67	1.92	19.51	1.99
	75.2	8.24	1.55	10.09	1.63	11.93	1.71	13.77	1.78	15.97	1.87	17.45	1.94	18.84	1.93
FDXS12L	60.8	8.58	1.52	10.31	1.60	12.04	1.68	13.77	1.75	15.84	1.85	17.22	1.91	17.69	1.76
	64.4	8.37	1.54	10.10	1.61	11.83	1.69	13.56	1.77	15.63	1.86	16.76	1.88	16.76	1.66
	68.0	8.16	1.55	9.89	1.63	11.62	1.71	13.34	1.79	15.42	1.88	15.83	1.75	15.83	1.55
	70.0	8.04	1.56	9.77	1.64	11.50	1.72	13.23	1.80	15.30	1.89	15.31	1.69	15.31	1.49
	71.6	7.95	1.57	9.68	1.65	11.41	1.73	13.13	1.80	14.90	1.83	14.90	1.63	14.90	1.45
	75.2	7.74	1.59	9.47	1.67	11.19	1.74	12.92	1.82	13.97	1.70	13.97	1.52	13.97	1.34
FTXS15L	60.8	11.39	1.76	13.68	1.85	15.97	1.94	18.27	2.03	21.02	2.14	22.85	2.21	25.14	2.30
	64.4	11.11	1.78	13.40	1.87	15.69	1.96	17.99	2.05	20.74	2.16	22.57	2.23	24.86	2.32
	68.0	10.83	1.80	13.12	1.89	15.41	1.98	17.71	2.07	20.46	2.18	22.29	2.25	24.58	2.34
	70.0	10.67	1.81	12.96	1.90	15.26	1.99	17.55	2.08	20.30	2.19	22.13	2.26	24.43	2.35
	71.6	10.55	1.82	12.84	1.91	15.13	2.00	17.42	2.09	20.18	2.20	22.01	2.27	24.30	2.36
	75.2	10.27	1.84	12.56	1.93	14.85	2.02	17.14	2.11	19.90	2.22	21.73	2.29	23.86	2.35
CDXS15L	60.8	10.44	1.82	12.54	1.91	14.64	2.00	16.74	2.10	19.26	2.21	20.94	2.28	22.52	2.28
	64.4	10.18	1.84	12.28	1.93	14.38	2.02	16.48	2.12	19.00	2.23	20.68	2.30	21.34	2.12
	68.0	9.92	1.86	12.02	1.95	14.12	2.04	16.22	2.14	18.74	2.25	20.15	2.27	20.15	1.97
	70.0	9.78	1.87	11.88	1.96	13.98	2.06	16.08	2.15	18.60	2.26	19.49	2.17	19.49	1.89
	71.6	9.66	1.88	11.76	1.97	13.87	2.06	15.97	2.16	18.49	2.27	18.97	2.09	18.97	1.82
	75.2	9.41	1.90	11.51	1.99	13.61	2.08	15.71	2.18	17.78	2.19	17.78	1.92	17.78	1.68
FTXS18L	60.8	13.69	2.23	16.44	2.34	19.20	2.46	21.95	2.57	25.26	2.71	27.47	2.80	30.22	2.91
	64.4	13.35	2.25	16.11	2.37	18.86	2.48	21.62	2.59	24.92	2.73	27.13	2.82	29.88	2.94
	68.0	13.02	2.28	15.77	2.39	18.53	2.51	21.28	2.62	24.59	2.76	26.79	2.85	28.81	2.81
	70.0	12.83	2.29	15.58	2.40	18.34	2.52	21.09	2.63	24.40	2.77	26.60	2.86	27.87	2.67
	71.6	12.68	2.30	15.43	2.42	18.19	2.53	20.94	2.64	24.25	2.78	26.45	2.87	27.12	2.56
	75.2	12.34	2.33	15.10	2.44	17.85	2.56	20.61	2.67	23.91	2.81	25.42	2.74	25.42	2.33

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CDXS18L	60.8	10.77	1.87	12.94	1.96	15.11	2.06	17.28	2.15	19.88	2.27	21.61	2.34	22.21	2.14
	64.4	10.51	1.89	12.67	1.98	14.84	2.08	17.01	2.17	19.61	2.29	21.04	2.30	21.04	2.00
	68.0	10.24	1.91	12.41	2.00	14.58	2.10	16.75	2.19	19.35	2.31	19.87	2.14	19.87	1.86
	70.0	10.09	1.92	12.26	2.01	14.43	2.11	16.60	2.21	19.20	2.32	19.22	2.05	19.22	1.79
	71.6	9.98	1.93	12.14	2.02	14.31	2.12	16.48	2.21	18.70	2.24	18.70	1.98	18.70	1.73
	75.2	9.71	1.95	11.88	2.04	14.05	2.14	16.22	2.24	17.53	2.06	17.53	1.82	17.53	1.59
CTXS07L + CTXS07L	60.8	10.72	1.38	12.87	1.45	15.03	1.52	17.19	1.60	19.77	1.68	21.50	1.74	23.66	1.81
	64.4	10.45	1.40	12.61	1.47	14.77	1.54	16.92	1.61	19.51	1.70	21.24	1.75	23.39	1.82
	68.0	10.19	1.41	12.34	1.48	14.50	1.56	16.66	1.63	19.25	1.71	20.97	1.77	23.13	1.84
	70.0	10.04	1.42	12.20	1.49	14.36	1.56	16.51	1.64	19.10	1.72	20.83	1.78	22.98	1.85
	71.6	9.92	1.43	12.08	1.50	14.24	1.57	16.39	1.64	18.98	1.73	20.71	1.78	22.86	1.85
	75.2	9.66	1.44	11.82	1.52	13.97	1.59	16.13	1.66	18.72	1.74	20.44	1.80	22.60	1.87
CTXS07L + CTXS09H	60.8	12.34	1.66	14.83	1.74	17.31	1.83	19.80	1.91	22.78	2.01	24.76	2.08	27.25	2.17
	64.4	12.04	1.67	14.52	1.76	17.01	1.84	19.49	1.93	22.47	2.03	24.46	2.10	26.94	2.18
	68.0	11.74	1.69	14.22	1.78	16.70	1.86	19.19	1.95	22.17	2.05	24.16	2.12	26.64	2.20
	70.0	11.57	1.70	14.05	1.79	16.53	1.87	19.02	1.96	22.00	2.06	23.99	2.13	26.47	2.21
	71.6	11.43	1.71	13.92	1.80	16.40	1.88	18.88	1.97	21.86	2.07	23.85	2.14	26.34	2.22
	75.2	11.13	1.73	13.61	1.82	16.10	1.90	18.58	1.99	21.56	2.09	23.55	2.15	26.03	2.24
CTXS07L + FDXS09L	60.8	12.06	1.74	14.49	1.83	16.92	1.91	19.35	2.00	22.26	2.11	24.20	2.18	26.63	2.27
	64.4	11.77	1.76	14.19	1.85	16.62	1.93	19.05	2.02	21.96	2.13	23.90	2.20	26.33	2.29
	68.0	11.47	1.78	13.90	1.86	16.32	1.95	18.75	2.04	21.66	2.15	23.61	2.22	26.03	2.31
	70.0	11.30	1.79	13.73	1.88	16.16	1.96	18.59	2.05	21.50	2.16	23.44	2.23	25.87	2.32
	71.6	11.17	1.80	13.60	1.88	16.03	1.97	18.45	2.06	21.37	2.17	23.31	2.24	25.74	2.33
	75.2	10.87	1.81	13.30	1.90	15.73	1.99	18.16	2.08	21.07	2.19	23.01	2.26	25.44	2.35
CTXS07L + CTXS12H	60.8	14.19	2.03	17.05	2.14	19.91	2.24	22.76	2.35	26.19	2.47	28.48	2.56	31.34	2.66
	64.4	13.84	2.06	16.70	2.16	19.56	2.27	22.42	2.37	25.84	2.49	28.13	2.58	30.99	2.68
	68.0	13.50	2.08	16.35	2.18	19.21	2.29	22.07	2.39	25.49	2.52	27.78	2.60	30.64	2.70
	70.0	13.30	2.09	16.16	2.20	19.01	2.30	21.87	2.40	25.30	2.53	27.59	2.61	30.44	2.72
	71.6	13.15	2.10	16.00	2.21	18.86	2.31	21.72	2.42	25.14	2.54	27.43	2.62	30.29	2.73
	75.2	12.80	2.13	15.65	2.23	18.51	2.33	21.37	2.44	24.80	2.56	27.08	2.65	29.94	2.75
CTXS07L + FDXS12L	60.8	14.08	2.18	16.92	2.29	19.75	2.40	22.58	2.51	25.99	2.65	28.25	2.74	31.09	2.85
	64.4	13.74	2.20	16.57	2.31	19.40	2.43	22.24	2.54	25.64	2.67	27.91	2.76	30.74	2.87
	68.0	13.39	2.23	16.22	2.34	19.06	2.45	21.89	2.56	25.29	2.70	27.56	2.79	30.39	2.90
	70.0	13.20	2.24	16.03	2.35	18.86	2.46	21.70	2.58	25.10	2.71	27.37	2.80	30.20	2.91
	71.6	13.04	2.25	15.88	2.36	18.71	2.48	21.54	2.59	24.95	2.72	27.21	2.81	30.05	2.92
	75.2	12.70	2.28	15.53	2.39	18.36	2.50	21.20	2.61	24.60	2.75	26.87	2.83	29.70	2.95
CTXS07L + FTXS15L	60.8	16.77	2.44	20.15	2.57	23.53	2.69	26.90	2.82	30.96	2.97	33.66	3.07	37.03	3.20
	64.4	16.36	2.47	19.74	2.60	23.11	2.72	26.49	2.85	30.54	3.00	33.24	3.10	36.62	3.22
	68.0	15.95	2.50	19.33	2.62	22.70	2.75	26.08	2.87	30.13	3.02	32.83	3.12	36.21	3.25
	70.0	15.72	2.51	19.10	2.64	22.47	2.76	25.85	2.89	29.90	3.04	32.60	3.14	35.98	3.27
	71.6	15.54	2.53	18.91	2.65	22.29	2.78	25.67	2.90	29.72	3.05	32.42	3.15	35.79	3.28
	75.2	15.12	2.55	18.50	2.68	21.88	2.80	25.25	2.93	29.30	3.08	32.00	3.18	35.38	3.30
CTXS07L + CDXS15L	60.8	16.16	2.56	19.41	2.69	22.66	2.82	25.91	2.95	29.82	3.11	32.42	3.21	35.67	3.34
	64.4	15.76	2.59	19.01	2.72	22.26	2.85	25.52	2.98	29.42	3.14	32.02	3.24	35.27	3.37
	68.0	15.36	2.61	18.61	2.75	21.87	2.88	25.12	3.01	29.02	3.16	31.62	3.27	34.87	3.40
	70.0	15.14	2.63	18.39	2.76	21.65	2.89	24.90	3.02	28.80	3.18	31.40	3.28	34.65	3.42
	71.6	14.96	2.64	18.22	2.77	21.47	2.90	24.72	3.04	28.62	3.19	31.22	3.30	34.48	3.43
	75.2	14.57	2.67	17.82	2.80	21.07	2.93	24.32	3.06	28.23	3.22	30.83	3.33	34.08	3.46

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FTXS18L	60.8	18.29	2.91	21.97	3.06	25.65	3.21	29.33	3.36	33.75	3.54	36.70	3.66	40.38	3.80
	64.4	17.84	2.94	21.52	3.09	25.20	3.24	28.88	3.39	33.30	3.57	36.25	3.69	39.93	3.84
	68.0	17.39	2.98	21.07	3.12	24.75	3.27	28.43	3.42	32.85	3.60	35.79	3.72	39.48	3.87
	70.0	17.14	2.99	20.82	3.14	24.50	3.29	28.18	3.44	32.60	3.62	35.54	3.74	39.23	3.89
	71.6	16.94	3.01	20.62	3.16	24.30	3.31	27.98	3.46	32.40	3.63	35.34	3.75	39.03	3.90
	75.2	16.49	3.04	20.17	3.19	23.85	3.34	27.53	3.49	31.95	3.67	34.89	3.79	38.58	3.94
CTXS07L + CDXS18L	60.8	17.62	3.09	21.16	3.25	24.71	3.40	28.25	3.56	32.51	3.75	35.34	3.88	38.77	3.97
	64.4	17.18	3.12	20.73	3.28	24.27	3.44	27.82	3.60	32.07	3.79	34.91	3.91	38.28	3.97
	68.0	16.75	3.16	20.29	3.31	23.84	3.47	27.39	3.63	31.64	3.82	34.48	3.95	37.81	3.97
	70.0	16.51	3.18	20.05	3.33	23.60	3.49	27.15	3.65	31.40	3.84	34.24	3.97	37.55	3.97
	71.6	16.32	3.19	19.86	3.35	23.41	3.51	26.95	3.67	31.21	3.86	34.04	3.97	37.35	3.97
	75.2	15.88	3.23	19.43	3.38	22.97	3.54	26.52	3.70	30.77	3.89	33.58	3.97	36.37	3.95
CTXS09H + CTXS09H	60.8	13.69	1.95	16.44	2.05	19.20	2.15	21.95	2.24	25.26	2.36	27.47	2.44	30.22	2.54
	64.4	13.35	1.97	16.11	2.07	18.86	2.17	21.62	2.27	24.92	2.39	27.13	2.47	29.88	2.57
	68.0	13.02	1.99	15.77	2.09	18.53	2.19	21.28	2.29	24.59	2.41	26.79	2.49	29.55	2.59
	70.0	12.83	2.00	15.58	2.10	18.34	2.20	21.09	2.30	24.40	2.42	26.60	2.50	29.36	2.60
	71.6	12.68	2.01	15.43	2.11	18.19	2.21	20.94	2.31	24.25	2.43	26.45	2.51	29.21	2.61
	75.2	12.34	2.03	15.10	2.13	17.85	2.23	20.61	2.33	23.91	2.45	26.12	2.53	28.87	2.63
CTXS09H + FDXS09L	60.8	13.35	1.99	16.04	2.10	18.73	2.20	21.41	2.30	24.64	2.42	26.79	2.50	29.48	2.61
	64.4	13.02	2.02	15.71	2.12	18.40	2.22	21.09	2.32	24.31	2.45	26.46	2.53	29.15	2.63
	68.0	12.70	2.04	15.38	2.14	18.07	2.24	20.76	2.35	23.98	2.47	26.13	2.55	28.82	2.65
	70.0	12.51	2.05	15.20	2.15	17.89	2.26	20.58	2.36	23.80	2.48	25.95	2.56	28.64	2.66
	71.6	12.37	2.06	15.05	2.16	17.74	2.27	20.43	2.37	23.65	2.49	25.80	2.57	28.49	2.67
	75.2	12.04	2.08	14.73	2.19	17.41	2.29	20.10	2.39	23.33	2.51	25.48	2.59	28.16	2.70
FDXS09L + FDXS09L	60.8	13.02	2.10	15.64	2.21	18.26	2.31	20.87	2.42	24.02	2.55	26.11	2.64	28.73	2.74
	64.4	12.70	2.12	15.32	2.23	17.93	2.34	20.55	2.44	23.70	2.57	25.79	2.66	28.41	2.77
	68.0	12.38	2.15	14.99	2.25	17.61	2.36	20.23	2.47	23.38	2.60	25.47	2.68	28.09	2.79
	70.0	12.20	2.16	14.82	2.27	17.44	2.37	20.06	2.48	23.20	2.61	25.30	2.70	27.92	2.80
	71.6	12.05	2.17	14.67	2.28	17.29	2.38	19.91	2.49	23.06	2.62	25.15	2.71	27.77	2.81
	75.2	11.73	2.19	14.35	2.30	16.97	2.41	19.59	2.51	22.74	2.64	24.83	2.73	27.45	2.84
CTXS09H + CTXS12H	60.8	15.93	2.53	19.14	2.66	22.35	2.79	25.55	2.92	29.40	3.08	31.97	3.18	35.17	3.31
	64.4	15.54	2.56	18.75	2.69	21.95	2.82	25.16	2.95	29.01	3.11	31.58	3.21	34.78	3.34
	68.0	15.15	2.59	18.36	2.72	21.56	2.85	24.77	2.98	28.62	3.13	31.18	3.24	34.39	3.37
	70.0	14.93	2.61	18.14	2.73	21.34	2.86	24.55	2.99	28.40	3.15	30.97	3.25	34.17	3.38
	71.6	14.76	2.62	17.96	2.75	21.17	2.88	24.38	3.01	28.23	3.16	30.79	3.27	34.00	3.40
	75.2	14.36	2.65	17.57	2.78	20.78	2.91	23.99	3.04	27.83	3.19	30.40	3.29	33.61	3.42
CTXS09H + FDXS12L	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51
FDXS09L + CTXS12H	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
CTXS09H + FTXS15L	60.8	18.12	2.91	21.77	3.06	25.42	3.21	29.06	3.36	33.44	3.54	36.36	3.66	40.00	3.80
	64.4	17.68	2.94	21.32	3.09	24.97	3.24	28.62	3.39	32.99	3.57	35.91	3.69	39.56	3.84
	68.0	17.23	2.98	20.88	3.12	24.52	3.27	28.17	3.42	32.55	3.60	35.47	3.72	39.11	3.87
	70.0	16.98	2.99	20.63	3.14	24.28	3.29	27.92	3.44	32.30	3.62	35.22	3.74	38.87	3.89
	71.6	16.78	3.01	20.43	3.16	24.08	3.31	27.73	3.46	32.10	3.63	35.02	3.75	38.67	3.90
	75.2	16.34	3.04	19.98	3.19	23.63	3.34	27.28	3.49	31.66	3.67	34.57	3.79	38.22	3.94
CTXS09H + CDXS15L	60.8	17.73	3.14	21.30	3.30	24.86	3.46	28.43	3.62	32.72	3.81	35.57	3.94	38.90	3.97
	64.4	17.29	3.17	20.86	3.33	24.43	3.49	28.00	3.65	32.28	3.85	35.13	3.97	38.42	3.97
	68.0	16.86	3.21	20.42	3.37	23.99	3.53	27.56	3.69	31.84	3.88	34.66	3.97	37.96	3.97
	70.0	16.61	3.23	20.18	3.39	23.75	3.55	27.32	3.71	31.60	3.90	34.40	3.97	37.71	3.97
	71.6	16.42	3.24	19.99	3.40	23.56	3.56	27.12	3.72	31.41	3.92	34.20	3.97	37.51	3.97
	75.2	15.98	3.28	19.55	3.44	23.12	3.60	26.69	3.76	30.97	3.95	33.75	3.97	36.62	3.97
FDXS09L + FTXS15L	60.8	17.56	2.93	21.09	3.08	24.63	3.23	28.16	3.38	32.40	3.56	35.23	3.68	38.77	3.83
	64.4	17.13	2.96	20.66	3.11	24.20	3.26	27.73	3.41	31.97	3.59	34.80	3.71	38.33	3.86
	68.0	16.70	2.99	20.23	3.14	23.76	3.29	27.30	3.44	31.54	3.62	34.37	3.74	37.90	3.89
	70.0	16.46	3.01	19.99	3.16	23.52	3.31	27.06	3.46	31.30	3.64	34.13	3.76	37.66	3.91
	71.6	16.26	3.03	19.80	3.17	23.33	3.32	26.87	3.47	31.11	3.65	33.94	3.77	37.47	3.92
	75.2	15.83	3.06	19.37	3.21	22.90	3.36	26.43	3.51	30.68	3.69	33.50	3.81	37.04	3.96
FDXS09L + CDXS15L	60.8	17.17	3.17	20.62	3.33	24.08	3.49	27.53	3.65	31.68	3.85	34.44	3.97	37.64	3.97
	64.4	16.74	3.20	20.20	3.37	23.66	3.53	27.11	3.69	31.26	3.88	33.99	3.97	37.20	3.97
	68.0	16.32	3.24	19.78	3.40	23.23	3.56	26.69	3.73	30.83	3.92	33.55	3.97	35.98	3.91
	70.0	16.09	3.26	19.54	3.42	23.00	3.58	26.45	3.75	30.60	3.94	33.31	3.97	34.80	3.67
	71.6	15.90	3.27	19.36	3.44	22.81	3.60	26.27	3.76	30.41	3.96	33.12	3.97	33.86	3.49
	75.2	15.48	3.31	18.93	3.47	22.39	3.63	25.84	3.80	29.99	3.97	31.75	3.81	31.75	3.12
CTXS09H + FTXS18L	60.8	18.29	2.91	21.97	3.06	25.65	3.21	29.33	3.36	33.75	3.54	36.70	3.66	40.38	3.80
	64.4	17.84	2.94	21.52	3.09	25.20	3.24	28.88	3.39	33.30	3.57	36.25	3.69	39.93	3.84
	68.0	17.39	2.98	21.07	3.12	24.75	3.27	28.43	3.42	32.85	3.60	35.79	3.72	39.48	3.87
	70.0	17.14	2.99	20.82	3.14	24.50	3.29	28.18	3.44	32.60	3.62	35.54	3.74	39.23	3.89
	71.6	16.94	3.01	20.62	3.16	24.30	3.31	27.98	3.46	32.40	3.63	35.34	3.75	39.03	3.90
	75.2	16.49	3.04	20.17	3.19	23.85	3.34	27.53	3.49	31.95	3.67	34.89	3.79	38.58	3.94
CTXS09H + CDXS18L	60.8	17.84	3.19	21.43	3.36	25.02	3.52	28.61	3.68	32.92	3.88	35.75	3.97	39.02	3.97
	64.4	17.40	3.23	20.99	3.39	24.58	3.55	28.17	3.72	32.48	3.91	35.28	3.97	38.56	3.97
	68.0	16.96	3.26	20.55	3.43	24.14	3.59	27.73	3.75	32.04	3.95	34.82	3.97	38.11	3.97
	70.0	16.72	3.28	20.31	3.45	23.90	3.61	27.49	3.77	31.80	3.97	34.56	3.97	37.87	3.97
	71.6	16.52	3.30	20.11	3.46	23.71	3.63	27.30	3.79	31.60	3.97	34.37	3.97	37.67	3.97
	75.2	16.08	3.34	19.68	3.50	23.27	3.66	26.86	3.83	31.16	3.97	33.93	3.97	36.37	3.95
FDXS09L + FTXS18L	60.8	17.78	2.93	21.36	3.08	24.94	3.23	28.52	3.38	32.82	3.56	35.68	3.68	39.26	3.83
	64.4	17.35	2.96	20.93	3.11	24.51	3.26	28.09	3.41	32.38	3.59	35.24	3.71	38.82	3.86
	68.0	16.91	2.99	20.49	3.14	24.07	3.29	27.65	3.44	31.94	3.62	34.81	3.74	38.39	3.89
	70.0	16.67	3.01	20.25	3.16	23.83	3.31	27.40	3.46	31.70	3.64	34.56	3.76	38.14	3.91
	71.6	16.47	3.03	20.05	3.17	23.63	3.32	27.21	3.47	31.51	3.65	34.37	3.77	37.95	3.92
	75.2	16.03	3.06	19.61	3.21	23.19	3.36	26.77	3.51	31.07	3.69	33.93	3.81	37.51	3.96

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CDXS18L	60.8	17.28	3.22	20.76	3.38	24.24	3.55	27.71	3.71	31.89	3.91	34.61	3.97	37.81	3.97
	64.4	16.85	3.25	20.33	3.42	23.81	3.58	27.29	3.75	31.46	3.94	34.16	3.97	37.38	3.97
	68.0	16.43	3.29	19.91	3.45	23.38	3.62	26.86	3.78	31.04	3.97	33.73	3.97	35.70	3.82
	70.0	16.19	3.31	19.67	3.47	23.15	3.64	26.63	3.80	30.80	3.97	33.50	3.97	34.53	3.60
	71.6	16.00	3.32	19.48	3.49	22.96	3.65	26.44	3.82	30.61	3.97	33.32	3.97	33.60	3.43
	75.2	15.58	3.36	19.06	3.52	22.53	3.69	26.01	3.85	30.19	3.97	31.50	3.73	31.50	3.06
CTXS12H + CTXS12H	60.8	17.11	2.92	20.56	3.07	24.00	3.22	27.44	3.37	31.58	3.55	34.33	3.67	37.78	3.82
	64.4	16.69	2.95	20.13	3.10	23.58	3.25	27.02	3.40	31.16	3.58	33.91	3.70	37.35	3.85
	68.0	16.27	2.98	19.71	3.13	23.16	3.28	26.60	3.43	30.73	3.61	33.49	3.73	36.93	3.88
	70.0	16.04	3.00	19.48	3.15	22.92	3.30	26.37	3.45	30.50	3.63	33.26	3.75	36.70	3.90
	71.6	15.85	3.02	19.29	3.17	22.74	3.32	26.18	3.47	30.31	3.64	33.07	3.76	36.51	3.91
	75.2	15.43	3.05	18.87	3.20	22.31	3.35	25.76	3.50	29.89	3.68	32.65	3.80	36.09	3.95
FDXS12L + CTXS12H	60.8	15.88	2.69	19.07	2.83	22.27	2.97	25.46	3.11	29.30	3.27	31.86	3.38	35.05	3.52
	64.4	15.49	2.72	18.68	2.86	21.88	3.00	25.07	3.14	28.91	3.30	31.46	3.41	34.66	3.55
	68.0	15.10	2.75	18.29	2.89	21.49	3.03	24.68	3.17	28.52	3.33	31.07	3.44	34.27	3.58
	70.0	14.88	2.77	18.07	2.91	21.27	3.05	24.47	3.18	28.30	3.35	30.86	3.46	34.05	3.60
	71.6	14.70	2.78	17.90	2.92	21.10	3.06	24.29	3.20	28.13	3.36	30.68	3.47	33.88	3.61
	75.2	14.31	2.81	17.51	2.95	20.71	3.09	23.90	3.23	27.74	3.39	30.29	3.50	32.80	3.47
FDXS12L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
CTXS12H + FTXS15L	60.8	18.12	2.91	21.77	3.06	25.42	3.21	29.06	3.36	33.44	3.54	36.36	3.66	40.00	3.80
	64.4	17.68	2.94	21.32	3.09	24.97	3.24	28.62	3.39	32.99	3.57	35.91	3.69	39.56	3.84
	68.0	17.23	2.98	20.88	3.12	24.52	3.27	28.17	3.42	32.55	3.60	35.47	3.72	39.11	3.87
	70.0	16.98	2.99	20.63	3.14	24.28	3.29	27.92	3.44	32.30	3.62	35.22	3.74	38.87	3.89
	71.6	16.78	3.01	20.43	3.16	24.08	3.31	27.73	3.46	32.10	3.63	35.02	3.75	38.67	3.90
	75.2	16.34	3.04	19.98	3.19	23.63	3.34	27.28	3.49	31.66	3.67	34.57	3.79	38.22	3.94
CTXS12H + CDXS15L	60.8	17.73	3.14	21.30	3.30	24.86	3.46	28.43	3.62	32.72	3.81	35.57	3.94	38.90	3.97
	64.4	17.29	3.17	20.86	3.33	24.43	3.49	28.00	3.65	32.28	3.85	35.13	3.97	38.42	3.97
	68.0	16.86	3.21	20.42	3.37	23.99	3.53	27.56	3.69	31.84	3.88	34.66	3.97	37.96	3.97
	70.0	16.61	3.23	20.18	3.39	23.75	3.55	27.32	3.71	31.60	3.90	34.40	3.97	37.71	3.97
	71.6	16.42	3.24	19.99	3.40	23.56	3.56	27.12	3.72	31.41	3.92	34.20	3.97	37.51	3.97
	75.2	15.98	3.28	19.55	3.44	23.12	3.60	26.69	3.76	30.97	3.95	33.75	3.97	36.62	3.97
FDXS12L + FTXS15L	60.8	17.56	2.93	21.09	3.08	24.63	3.23	28.16	3.38	32.40	3.56	35.23	3.68	38.77	3.83
	64.4	17.13	2.96	20.66	3.11	24.20	3.26	27.73	3.41	31.97	3.59	34.80	3.71	38.33	3.86
	68.0	16.70	2.99	20.23	3.14	23.76	3.29	27.30	3.44	31.54	3.62	34.37	3.74	37.90	3.89
	70.0	16.46	3.01	19.99	3.16	23.52	3.31	27.06	3.46	31.30	3.64	34.13	3.76	37.66	3.91
	71.6	16.26	3.03	19.80	3.17	23.33	3.32	26.87	3.47	31.11	3.65	33.94	3.77	37.47	3.92
	75.2	15.83	3.06	19.37	3.21	22.90	3.36	26.43	3.51	30.68	3.69	33.50	3.81	37.04	3.96
FDXS12L + CDXS15L	60.8	17.17	3.17	20.62	3.33	24.08	3.49	27.53	3.65	31.68	3.85	34.44	3.97	37.64	3.97
	64.4	16.74	3.20	20.20	3.37	23.66	3.53	27.11	3.69	31.26	3.88	33.99	3.97	37.20	3.97
	68.0	16.32	3.24	19.78	3.40	23.23	3.56	26.69	3.73	30.83	3.92	33.55	3.97	35.98	3.91
	70.0	16.09	3.26	19.54	3.42	23.00	3.58	26.45	3.75	30.60	3.94	33.31	3.97	34.80	3.67
	71.6	15.90	3.27	19.36	3.44	22.81	3.60	26.27	3.76	30.41	3.96	33.12	3.97	33.86	3.49
	75.2	15.48	3.31	18.93	3.47	22.39	3.63	25.84	3.80	29.99	3.97	31.75	3.81	31.75	3.12

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FTXS18L	60.8	18.29	2.91	21.97	3.06	25.65	3.21	29.33	3.36	33.75	3.54	36.70	3.66	40.38	3.80
	64.4	17.84	2.94	21.52	3.09	25.20	3.24	28.88	3.39	33.30	3.57	36.25	3.69	39.93	3.84
	68.0	17.39	2.98	21.07	3.12	24.75	3.27	28.43	3.42	32.85	3.60	35.79	3.72	39.48	3.87
	70.0	17.14	2.99	20.82	3.14	24.50	3.29	28.18	3.44	32.60	3.62	35.54	3.74	39.23	3.89
	71.6	16.94	3.01	20.62	3.16	24.30	3.31	27.98	3.46	32.40	3.63	35.34	3.75	39.03	3.90
	75.2	16.49	3.04	20.17	3.19	23.85	3.34	27.53	3.49	31.95	3.67	34.89	3.79	38.58	3.94
CTXS12H + CDXS18L	60.8	17.84	3.19	21.43	3.36	25.02	3.52	28.61	3.68	32.92	3.88	35.75	3.97	39.02	3.97
	64.4	17.40	3.23	20.99	3.39	24.58	3.55	28.17	3.72	32.48	3.91	35.28	3.97	38.56	3.97
	68.0	16.96	3.26	20.55	3.43	24.14	3.59	27.73	3.75	32.04	3.95	34.82	3.97	38.11	3.97
	70.0	16.72	3.28	20.31	3.45	23.90	3.61	27.49	3.77	31.80	3.97	34.56	3.97	37.87	3.97
	71.6	16.52	3.30	20.11	3.46	23.71	3.63	27.30	3.79	31.60	3.97	34.37	3.97	37.67	3.97
	75.2	16.08	3.34	19.68	3.50	23.27	3.66	26.86	3.83	31.16	3.97	33.93	3.97	36.37	3.95
FDXS12L + FTXS18L	60.8	17.78	2.93	21.36	3.08	24.94	3.23	28.52	3.38	32.82	3.56	35.68	3.68	39.26	3.83
	64.4	17.35	2.96	20.93	3.11	24.51	3.26	28.09	3.41	32.38	3.59	35.24	3.71	38.82	3.86
	68.0	16.91	2.99	20.49	3.14	24.07	3.29	27.65	3.44	31.94	3.62	34.81	3.74	38.39	3.89
	70.0	16.67	3.01	20.25	3.16	23.83	3.31	27.40	3.46	31.70	3.64	34.56	3.76	38.14	3.91
	71.6	16.47	3.03	20.05	3.17	23.63	3.32	27.21	3.47	31.51	3.65	34.37	3.77	37.95	3.92
	75.2	16.03	3.06	19.61	3.21	23.19	3.36	26.77	3.51	31.07	3.69	33.93	3.81	37.51	3.96
FDXS12L + CDXS18L	60.8	17.28	3.22	20.76	3.38	24.24	3.55	27.71	3.71	31.89	3.91	34.61	3.97	37.81	3.97
	64.4	16.85	3.25	20.33	3.42	23.81	3.58	27.29	3.75	31.46	3.94	34.16	3.97	37.38	3.97
	68.0	16.43	3.29	19.91	3.45	23.38	3.62	26.86	3.78	31.04	3.97	33.73	3.97	35.70	3.82
	70.0	16.19	3.31	19.67	3.47	23.15	3.64	26.63	3.80	30.80	3.97	33.50	3.97	34.53	3.60
	71.6	16.00	3.32	19.48	3.49	22.96	3.65	26.44	3.82	30.61	3.97	33.32	3.97	33.60	3.43
	75.2	15.58	3.36	19.06	3.52	22.53	3.69	26.01	3.85	30.19	3.97	31.50	3.73	31.50	3.06
FTXS15L + FTXS15L	60.8	18.79	2.84	22.58	2.98	26.36	3.13	30.14	3.27	34.68	3.45	37.71	3.57	41.49	3.71
	64.4	18.33	2.87	22.11	3.02	25.90	3.16	29.68	3.31	34.22	3.48	37.25	3.60	41.03	3.74
	68.0	17.87	2.90	21.65	3.05	25.43	3.19	29.22	3.34	33.76	3.51	36.78	3.63	40.57	3.77
	70.0	17.61	2.92	21.40	3.06	25.18	3.21	28.96	3.36	33.50	3.53	36.53	3.65	40.31	3.79
	71.6	17.41	2.93	21.19	3.08	24.97	3.22	28.76	3.37	33.29	3.54	36.32	3.66	40.10	3.81
	75.2	16.94	2.97	20.73	3.11	24.51	3.26	28.29	3.40	32.83	3.58	35.86	3.69	39.64	3.84
CDXS15L + FTXS15L	60.8	18.35	2.99	22.04	3.14	25.73	3.30	29.42	3.45	33.85	3.63	36.81	3.76	40.50	3.91
	64.4	17.89	3.02	21.59	3.18	25.28	3.33	28.97	3.48	33.40	3.67	36.36	3.79	40.05	3.94
	68.0	17.44	3.06	21.14	3.21	24.83	3.36	28.52	3.52	32.95	3.70	35.90	3.82	39.59	3.97
	70.0	17.19	3.08	20.88	3.23	24.58	3.38	28.27	3.54	32.70	3.72	35.65	3.84	39.30	3.97
	71.6	16.99	3.09	20.68	3.24	24.38	3.40	28.07	3.55	32.50	3.73	35.45	3.86	39.07	3.97
	75.2	16.54	3.13	20.23	3.28	23.92	3.43	27.62	3.58	32.05	3.77	35.00	3.89	38.56	3.97
CDXS15L + CDXS15L	60.8	17.84	3.16	21.43	3.32	25.02	3.48	28.61	3.65	32.92	3.84	35.79	3.97	39.08	3.97
	64.4	17.40	3.20	20.99	3.36	24.58	3.52	28.17	3.68	32.48	3.87	35.32	3.97	38.61	3.97
	68.0	16.96	3.23	20.55	3.39	24.14	3.55	27.73	3.72	32.04	3.91	34.85	3.97	38.15	3.97
	70.0	16.72	3.25	20.31	3.41	23.90	3.57	27.49	3.74	31.80	3.93	34.59	3.97	37.90	3.97
	71.6	16.52	3.27	20.11	3.43	23.71	3.59	27.30	3.75	31.60	3.95	34.39	3.97	37.71	3.97
	75.2	16.08	3.30	19.68	3.46	23.27	3.63	26.86	3.79	31.16	3.97	33.95	3.97	35.56	3.70
FTXS15L + FTXS18L	60.8	18.91	2.81	22.71	2.95	26.52	3.09	30.32	3.24	34.89	3.41	37.93	3.52	41.74	3.67
	64.4	18.44	2.84	22.25	2.98	26.05	3.12	29.86	3.27	34.42	3.44	37.47	3.56	41.27	3.70
	68.0	17.98	2.87	21.78	3.01	25.59	3.16	29.39	3.30	33.96	3.47	37.00	3.59	40.81	3.73
	70.0	17.72	2.89	21.52	3.03	25.33	3.17	29.13	3.32	33.70	3.49	36.74	3.60	40.55	3.75
	71.6	17.51	2.90	21.32	3.04	25.12	3.19	28.93	3.33	33.49	3.50	36.54	3.62	40.34	3.76
	75.2	17.05	2.93	20.85	3.08	24.66	3.22	28.46	3.36	33.03	3.54	36.07	3.65	39.88	3.79

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS15L + CDXS18L	60.8	18.35	2.99	22.04	3.14	25.73	3.30	29.42	3.45	33.85	3.63	36.81	3.76	40.50	3.91
	64.4	17.89	3.02	21.59	3.18	25.28	3.33	28.97	3.48	33.40	3.67	36.36	3.79	40.05	3.94
	68.0	17.44	3.06	21.14	3.21	24.83	3.36	28.52	3.52	32.95	3.70	35.90	3.82	39.59	3.97
	70.0	17.19	3.08	20.88	3.23	24.58	3.38	28.27	3.54	32.70	3.72	35.65	3.84	39.30	3.97
	71.6	16.99	3.09	20.68	3.24	24.38	3.40	28.07	3.55	32.50	3.73	35.45	3.86	39.07	3.97
	75.2	16.54	3.13	20.23	3.28	23.92	3.43	27.62	3.58	32.05	3.77	35.00	3.89	38.56	3.97
CDXS15L + FTXS18L	60.8	18.40	2.95	22.11	3.10	25.81	3.25	29.51	3.40	33.96	3.59	36.92	3.71	40.62	3.86
	64.4	17.95	2.98	21.65	3.13	25.36	3.29	29.06	3.44	33.50	3.62	36.47	3.74	40.17	3.89
	68.0	17.50	3.02	21.20	3.17	24.90	3.32	28.61	3.47	33.05	3.65	36.01	3.77	39.72	3.92
	70.0	17.24	3.04	20.95	3.19	24.65	3.34	28.36	3.49	32.80	3.67	35.76	3.79	39.47	3.94
	71.6	17.04	3.05	20.75	3.20	24.45	3.35	28.15	3.50	32.60	3.68	35.56	3.81	39.27	3.96
	75.2	16.59	3.08	20.29	3.23	24.00	3.39	27.70	3.54	32.15	3.72	35.11	3.84	38.78	3.97
CDXS15L + CDXS18L	60.8	17.84	3.16	21.43	3.32	25.02	3.48	28.61	3.65	32.92	3.84	35.79	3.97	39.08	3.97
	64.4	17.40	3.20	20.99	3.36	24.58	3.52	28.17	3.68	32.48	3.87	35.32	3.97	38.61	3.97
	68.0	16.96	3.23	20.55	3.39	24.14	3.55	27.73	3.72	32.04	3.91	34.85	3.97	38.15	3.97
	70.0	16.72	3.25	20.31	3.41	23.90	3.57	27.49	3.74	31.80	3.93	34.59	3.97	37.90	3.97
	71.6	16.52	3.27	20.11	3.43	23.71	3.59	27.30	3.75	31.60	3.95	34.39	3.97	37.67	3.97
	75.2	16.08	3.30	19.68	3.46	23.27	3.63	26.86	3.79	31.16	3.97	33.95	3.97	35.31	3.64
FTXS18L + FTXS18L	60.8	18.96	2.77	22.78	2.92	26.60	3.06	30.41	3.20	34.99	3.37	38.05	3.48	41.86	3.63
	64.4	18.50	2.80	22.31	2.95	26.13	3.09	29.95	3.23	34.53	3.40	37.58	3.52	41.40	3.66
	68.0	18.03	2.84	21.85	2.98	25.66	3.12	29.48	3.26	34.06	3.43	37.11	3.55	40.93	3.69
	70.0	17.77	2.85	21.59	3.00	25.40	3.14	29.22	3.28	33.80	3.45	36.85	3.56	40.67	3.71
	71.6	17.56	2.87	21.38	3.01	25.20	3.15	29.01	3.29	33.59	3.46	36.65	3.58	40.46	3.72
	75.2	17.10	2.90	20.91	3.04	24.73	3.18	28.55	3.32	33.13	3.49	36.18	3.61	40.00	3.75
CDXS18L + FTXS18L	60.8	18.40	2.95	22.11	3.10	25.81	3.25	29.51	3.40	33.96	3.59	36.92	3.71	40.62	3.86
	64.4	17.95	2.98	21.65	3.13	25.36	3.29	29.06	3.44	33.50	3.62	36.47	3.74	40.17	3.89
	68.0	17.50	3.02	21.20	3.17	24.90	3.32	28.61	3.47	33.05	3.65	36.01	3.77	39.72	3.92
	70.0	17.24	3.04	20.95	3.19	24.65	3.34	28.36	3.49	32.80	3.67	35.76	3.79	39.47	3.94
	71.6	17.04	3.05	20.75	3.20	24.45	3.35	28.15	3.50	32.60	3.68	35.56	3.81	39.27	3.96
	75.2	16.59	3.08	20.29	3.23	24.00	3.39	27.70	3.54	32.15	3.72	35.11	3.84	38.78	3.97
CDXS18L + CDXS18L	60.8	17.84	3.16	21.43	3.32	25.02	3.48	28.61	3.65	32.92	3.84	35.79	3.97	39.08	3.97
	64.4	17.40	3.20	20.99	3.36	24.58	3.52	28.17	3.68	32.48	3.87	35.32	3.97	38.61	3.97
	68.0	16.96	3.23	20.55	3.39	24.14	3.55	27.73	3.72	32.04	3.91	34.85	3.97	38.15	3.97
	70.0	16.72	3.25	20.31	3.41	23.90	3.57	27.49	3.74	31.80	3.93	34.59	3.97	37.90	3.97
	71.6	16.52	3.27	20.11	3.43	23.71	3.59	27.30	3.75	31.60	3.95	34.39	3.97	37.40	3.97
	75.2	16.08	3.30	19.68	3.46	23.27	3.63	26.86	3.79	31.16	3.97	33.95	3.97	35.07	3.58
CTXS07L + CTXS07L + CTXS07L	60.8	15.93	1.98	19.14	2.08	22.35	2.18	25.55	2.28	29.40	2.40	31.97	2.48	35.17	2.59
	64.4	15.54	2.00	18.75	2.10	21.95	2.20	25.16	2.30	29.01	2.43	31.58	2.51	34.78	2.61
	68.0	15.15	2.02	18.36	2.12	21.56	2.22	24.77	2.33	28.62	2.45	31.18	2.53	34.39	2.63
	70.0	14.93	2.03	18.14	2.14	21.34	2.24	24.55	2.34	28.40	2.46	30.97	2.54	34.17	2.64
	71.6	14.76	2.04	17.96	2.15	21.17	2.25	24.38	2.35	28.23	2.47	30.79	2.55	34.00	2.65
	75.2	14.36	2.07	17.57	2.17	20.78	2.27	23.99	2.37	27.83	2.49	30.40	2.57	33.61	2.67
CTXS07L + CTXS07L + CTXS09H	60.8	17.45	2.35	20.96	2.47	24.47	2.59	27.98	2.71	32.20	2.85	35.01	2.95	38.52	3.07
	64.4	17.02	2.37	20.53	2.49	24.04	2.61	27.55	2.73	31.77	2.88	34.58	2.98	38.09	3.10
	68.0	16.59	2.40	20.10	2.52	23.61	2.64	27.12	2.76	31.34	2.91	34.15	3.00	37.66	3.12
	70.0	16.35	2.41	19.86	2.54	23.37	2.66	26.89	2.78	31.10	2.92	33.91	3.02	37.42	3.14
	71.6	16.16	2.43	19.67	2.55	23.18	2.67	26.70	2.79	30.91	2.93	33.72	3.03	37.23	3.15
	75.2	15.73	2.45	19.24	2.57	22.75	2.69	26.27	2.81	30.48	2.96	33.29	3.05	36.80	3.17

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FDXS09L	60.8	17.17	2.42	20.62	2.54	24.08	2.67	27.53	2.79	31.68	2.94	34.44	3.04	37.90	3.16
	64.4	16.74	2.45	20.20	2.57	23.66	2.70	27.11	2.82	31.26	2.97	34.02	3.07	37.48	3.19
	68.0	16.32	2.47	19.78	2.60	23.23	2.72	26.69	2.85	30.83	2.99	33.60	3.09	37.05	3.22
	70.0	16.09	2.49	19.54	2.61	23.00	2.74	26.45	2.86	30.60	3.01	33.36	3.11	36.82	3.23
	71.6	15.90	2.50	19.36	2.63	22.81	2.75	26.27	2.87	30.41	3.02	33.18	3.12	36.63	3.25
	75.2	15.48	2.53	18.93	2.65	22.39	2.78	25.84	2.90	29.99	3.05	32.75	3.15	36.21	3.27
CTXS07L + CTXS07L + CTXS12H	60.8	18.40	2.61	22.11	2.74	25.81	2.87	29.51	3.01	33.96	3.17	36.92	3.27	40.62	3.41
	64.4	17.95	2.63	21.65	2.77	25.36	2.90	29.06	3.03	33.50	3.19	36.47	3.30	40.17	3.43
	68.0	17.50	2.66	21.20	2.80	24.90	2.93	28.61	3.06	33.05	3.22	36.01	3.33	39.72	3.46
	70.0	17.24	2.68	20.95	2.81	24.65	2.95	28.36	3.08	32.80	3.24	35.76	3.35	39.47	3.48
	71.6	17.04	2.69	20.75	2.83	24.45	2.96	28.15	3.09	32.60	3.25	35.56	3.36	39.27	3.49
	75.2	16.59	2.72	20.29	2.86	24.00	2.99	27.70	3.12	32.15	3.28	35.11	3.39	38.81	3.52
CTXS07L + CTXS07L + FDXS12L	60.8	18.12	2.73	21.77	2.87	25.42	3.01	29.06	3.15	33.44	3.32	36.36	3.43	40.00	3.57
	64.4	17.68	2.76	21.32	2.90	24.97	3.04	28.62	3.18	32.99	3.35	35.91	3.46	39.56	3.60
	68.0	17.23	2.79	20.88	2.93	24.52	3.07	28.17	3.21	32.55	3.38	35.47	3.49	39.11	3.64
	70.0	16.98	2.81	20.63	2.95	24.28	3.09	27.92	3.23	32.30	3.40	35.22	3.51	38.87	3.65
	71.6	16.78	2.83	20.43	2.97	24.08	3.11	27.73	3.25	32.10	3.41	35.02	3.53	38.67	3.67
	75.2	16.34	2.86	19.98	3.00	23.63	3.14	27.28	3.28	31.66	3.44	34.57	3.56	38.22	3.70
CTXS07L + CTXS07L + FTXS15L	60.8	18.68	2.52	22.44	2.65	26.20	2.77	29.96	2.90	34.47	3.06	37.48	3.16	41.24	3.29
	64.4	18.22	2.54	21.98	2.67	25.74	2.80	29.50	2.93	34.02	3.09	37.02	3.19	40.78	3.32
	68.0	17.76	2.57	21.52	2.70	25.28	2.83	29.04	2.96	33.56	3.11	36.56	3.22	40.32	3.35
	70.0	17.51	2.59	21.27	2.72	25.03	2.85	28.79	2.98	33.30	3.13	36.31	3.23	40.07	3.36
	71.6	17.30	2.60	21.06	2.73	24.82	2.86	28.58	2.99	33.10	3.14	36.10	3.25	39.86	3.37
	75.2	16.84	2.63	20.60	2.76	24.36	2.89	28.12	3.02	32.64	3.17	35.64	3.27	39.40	3.40
CTXS07L + CTXS07L + CDXS15L	60.8	18.40	2.66	22.11	2.80	25.81	2.93	29.51	3.07	33.96	3.23	36.92	3.34	40.62	3.48
	64.4	17.95	2.69	21.65	2.83	25.36	2.96	29.06	3.10	33.50	3.26	36.47	3.37	40.17	3.51
	68.0	17.50	2.72	21.20	2.86	24.90	2.99	28.61	3.13	33.05	3.29	36.01	3.40	39.72	3.54
	70.0	17.24	2.74	20.95	2.87	24.65	3.01	28.36	3.15	32.80	3.31	35.76	3.42	39.47	3.56
	71.6	17.04	2.75	20.75	2.89	24.45	3.02	28.15	3.16	32.60	3.32	35.56	3.43	39.27	3.57
	75.2	16.59	2.78	20.29	2.92	24.00	3.05	27.70	3.19	32.15	3.35	35.11	3.46	38.81	3.60
CTXS07L + CTXS07L + FTXS18L	60.8	18.96	2.54	22.78	2.67	26.60	2.80	30.41	2.93	34.99	3.09	38.05	3.19	41.86	3.32
	64.4	18.50	2.57	22.31	2.70	26.13	2.83	29.95	2.96	34.53	3.12	37.58	3.22	41.40	3.35
	68.0	18.03	2.60	21.85	2.73	25.66	2.86	29.48	2.99	34.06	3.14	37.11	3.25	40.93	3.38
	70.0	17.77	2.61	21.59	2.74	25.40	2.87	29.22	3.00	33.80	3.16	36.85	3.26	40.67	3.39
	71.6	17.56	2.63	21.38	2.76	25.20	2.89	29.01	3.02	33.59	3.17	36.65	3.28	40.46	3.41
	75.2	17.10	2.65	20.91	2.78	24.73	2.91	28.55	3.04	33.13	3.20	36.18	3.31	40.00	3.44
CTXS07L + CTXS07L + CDXS18L	60.8	18.68	2.71	22.44	2.85	26.20	2.99	29.96	3.13	34.47	3.29	37.48	3.40	41.24	3.54
	64.4	18.22	2.74	21.98	2.88	25.74	3.02	29.50	3.16	34.02	3.32	37.02	3.43	40.78	3.57
	68.0	17.76	2.77	21.52	2.91	25.28	3.05	29.04	3.19	33.56	3.35	36.56	3.46	40.32	3.60
	70.0	17.51	2.79	21.27	2.93	25.03	3.06	28.79	3.20	33.30	3.37	36.31	3.48	40.07	3.62
	71.6	17.30	2.80	21.06	2.94	24.82	3.08	28.58	3.22	33.10	3.38	36.10	3.49	39.86	3.63
	75.2	16.84	2.83	20.60	2.97	24.36	3.11	28.12	3.25	32.64	3.41	35.64	3.52	39.40	3.66
CTXS07L + CTXS09H + CTXS09H	60.8	17.84	2.43	21.43	2.55	25.02	2.68	28.61	2.80	32.92	2.95	35.79	3.05	39.39	3.17
	64.4	17.40	2.46	20.99	2.58	24.58	2.70	28.17	2.83	32.48	2.98	35.36	3.08	38.95	3.20
	68.0	16.96	2.48	20.55	2.61	24.14	2.73	27.73	2.86	32.04	3.00	34.92	3.10	38.51	3.23
	70.0	16.72	2.50	20.31	2.62	23.90	2.75	27.49	2.87	31.80	3.02	34.67	3.12	38.26	3.24
	71.6	16.52	2.51	20.11	2.63	23.71	2.76	27.30	2.88	31.60	3.03	34.48	3.13	38.07	3.26
	75.2	16.08	2.54	19.68	2.66	23.27	2.79	26.86	2.91	31.17	3.06	34.04	3.16	37.63	3.28



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + FDXS09L	60.8	17.73	2.55	21.30	2.68	24.86	2.81	28.43	2.94	32.72	3.10	35.57	3.20	39.14	3.33
	64.4	17.29	2.58	20.86	2.71	24.43	2.84	28.00	2.97	32.28	3.13	35.13	3.23	38.70	3.36
	68.0	16.86	2.61	20.42	2.74	23.99	2.87	27.56	3.00	31.84	3.15	34.70	3.26	38.27	3.39
	70.0	16.61	2.62	20.18	2.75	23.75	2.88	27.32	3.01	31.60	3.17	34.45	3.27	38.02	3.40
	71.6	16.42	2.63	19.99	2.76	23.56	2.90	27.12	3.03	31.41	3.18	34.26	3.29	37.83	3.42
	75.2	15.98	2.66	19.55	2.79	23.12	2.92	26.69	3.05	30.97	3.21	33.82	3.32	37.39	3.45
CTXS07L + FDXS09L + FDXS09L	60.8	17.56	2.69	21.09	2.82	24.63	2.96	28.16	3.10	32.40	3.26	35.23	3.37	38.77	3.51
	64.4	17.13	2.72	20.66	2.85	24.20	2.99	27.73	3.13	31.97	3.29	34.80	3.40	38.33	3.54
	68.0	16.70	2.75	20.23	2.88	23.76	3.02	27.30	3.16	31.54	3.32	34.37	3.43	37.90	3.57
	70.0	16.46	2.76	19.99	2.90	23.52	3.04	27.06	3.17	31.30	3.34	34.13	3.45	37.66	3.59
	71.6	16.26	2.78	19.80	2.91	23.33	3.05	26.87	3.19	31.11	3.35	33.94	3.46	37.47	3.60
	75.2	15.83	2.81	19.37	2.94	22.90	3.08	26.43	3.22	30.68	3.38	33.50	3.49	37.04	3.63
CTXS07L + CTXS09H + CTXS12H	60.8	18.63	2.69	22.38	2.83	26.12	2.97	29.87	3.11	34.37	3.27	37.37	3.38	41.12	3.52
	64.4	18.17	2.72	21.92	2.86	25.67	3.00	29.41	3.14	33.91	3.30	36.91	3.41	40.66	3.55
	68.0	17.71	2.75	21.46	2.89	25.21	3.03	28.96	3.17	33.45	3.33	36.45	3.44	40.20	3.58
	70.0	17.45	2.77	21.20	2.91	24.95	3.05	28.70	3.18	33.20	3.35	36.20	3.46	39.95	3.60
	71.6	17.25	2.78	21.00	2.92	24.75	3.06	28.50	3.20	33.00	3.36	36.00	3.47	39.74	3.61
	75.2	16.79	2.81	20.54	2.95	24.29	3.09	28.04	3.23	32.54	3.39	35.54	3.50	39.29	3.64
CTXS07L + CTXS09H + FDXS12L	60.8	18.29	2.77	21.97	2.92	25.65	3.06	29.33	3.20	33.75	3.37	36.70	3.48	40.38	3.63
	64.4	17.84	2.80	21.52	2.95	25.20	3.09	28.88	3.23	33.30	3.40	36.25	3.52	39.93	3.66
	68.0	17.39	2.84	21.07	2.98	24.75	3.12	28.43	3.26	32.85	3.43	35.79	3.55	39.48	3.69
	70.0	17.14	2.85	20.82	3.00	24.50	3.14	28.18	3.28	32.60	3.45	35.54	3.56	39.23	3.71
	71.6	16.94	2.87	20.62	3.01	24.30	3.15	27.98	3.29	32.40	3.46	35.34	3.58	39.03	3.72
	75.2	16.49	2.90	20.17	3.04	23.85	3.18	27.53	3.32	31.95	3.49	34.89	3.61	38.58	3.75
CTXS07L + FDXS09L + CTXS12H	60.8	18.29	2.77	21.97	2.92	25.65	3.06	29.33	3.20	33.75	3.37	36.70	3.48	40.38	3.63
	64.4	17.84	2.80	21.52	2.95	25.20	3.09	28.88	3.23	33.30	3.40	36.25	3.52	39.93	3.66
	68.0	17.39	2.84	21.07	2.98	24.75	3.12	28.43	3.26	32.85	3.43	35.79	3.55	39.48	3.69
	70.0	17.14	2.85	20.82	3.00	24.50	3.14	28.18	3.28	32.60	3.45	35.54	3.56	39.23	3.71
	71.6	16.94	2.87	20.62	3.01	24.30	3.15	27.98	3.29	32.40	3.46	35.34	3.58	39.03	3.72
	75.2	16.49	2.90	20.17	3.04	23.85	3.18	27.53	3.32	31.95	3.49	34.89	3.61	38.58	3.75
CTXS07L + FDXS09L + FDXS12L	60.8	18.01	2.92	21.63	3.07	25.26	3.22	28.88	3.37	33.23	3.55	36.13	3.67	39.76	3.82
	64.4	17.57	2.95	21.19	3.10	24.82	3.25	28.44	3.40	32.79	3.58	35.69	3.70	39.31	3.85
	68.0	17.12	2.98	20.75	3.13	24.37	3.28	28.00	3.43	32.35	3.61	35.25	3.73	38.87	3.88
	70.0	16.88	3.00	20.50	3.15	24.13	3.30	27.75	3.45	32.10	3.63	35.00	3.75	38.62	3.90
	71.6	16.68	3.02	20.30	3.17	23.93	3.32	27.55	3.47	31.90	3.64	34.80	3.76	38.43	3.91
	75.2	16.24	3.05	19.86	3.20	23.49	3.35	27.11	3.50	31.46	3.68	34.36	3.80	37.98	3.95
CTXS07L + CTXS09H + FTXS15L	60.8	18.91	2.56	22.71	2.69	26.52	2.82	30.32	2.95	34.89	3.11	37.93	3.21	41.74	3.34
	64.4	18.44	2.59	22.25	2.72	26.05	2.85	29.86	2.98	34.42	3.14	37.47	3.24	41.27	3.37
	68.0	17.98	2.61	21.78	2.75	25.59	2.88	29.39	3.01	33.96	3.16	37.00	3.27	40.81	3.40
	70.0	17.72	2.63	21.52	2.76	25.33	2.89	29.13	3.02	33.70	3.18	36.74	3.28	40.55	3.42
	71.6	17.51	2.64	21.32	2.77	25.12	2.90	28.93	3.04	33.49	3.19	36.54	3.30	40.34	3.43
	75.2	17.05	2.67	20.85	2.80	24.66	2.93	28.46	3.06	33.03	3.22	36.07	3.33	39.88	3.46
CTXS07L + CTXS09H + CDXS15L	60.8	18.57	2.71	22.31	2.85	26.05	2.99	29.78	3.13	34.27	3.29	37.26	3.40	41.00	3.54
	64.4	18.11	2.74	21.85	2.88	25.59	3.02	29.33	3.16	33.81	3.32	36.80	3.43	40.54	3.57
	68.0	17.66	2.77	21.39	2.91	25.13	3.05	28.87	3.19	33.35	3.35	36.34	3.46	40.08	3.60
	70.0	17.40	2.79	21.14	2.93	24.88	3.06	28.61	3.20	33.10	3.37	36.09	3.48	39.83	3.62
	71.6	17.20	2.80	20.94	2.94	24.67	3.08	28.41	3.22	32.90	3.38	35.89	3.49	39.62	3.63
	75.2	16.74	2.83	20.48	2.97	24.22	3.11	27.95	3.25	32.44	3.41	35.43	3.52	39.17	3.66

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L + FTXS15L	60.8	18.57	2.61	22.31	2.75	26.05	2.88	29.78	3.01	34.27	3.18	37.26	3.28	41.00	3.42
	64.4	18.11	2.64	21.85	2.78	25.59	2.91	29.33	3.04	33.81	3.20	36.80	3.31	40.54	3.45
	68.0	17.66	2.67	21.39	2.81	25.13	2.94	28.87	3.07	33.35	3.23	36.34	3.34	40.08	3.47
	70.0	17.40	2.69	21.14	2.82	24.88	2.96	28.61	3.09	33.10	3.25	36.09	3.36	39.83	3.49
	71.6	17.20	2.70	20.94	2.83	24.67	2.97	28.41	3.10	32.90	3.26	35.89	3.37	39.62	3.50
	75.2	16.74	2.73	20.48	2.86	24.22	3.00	27.95	3.13	32.44	3.29	35.43	3.40	39.17	3.53
CTXS07L + FDXS09L + CDXS15L	60.8	18.29	2.78	21.97	2.92	25.65	3.07	29.33	3.21	33.75	3.38	36.70	3.49	40.38	3.64
	64.4	17.84	2.81	21.52	2.96	25.20	3.10	28.88	3.24	33.30	3.41	36.25	3.53	39.93	3.67
	68.0	17.39	2.84	21.07	2.99	24.75	3.13	28.43	3.27	32.85	3.44	35.79	3.56	39.48	3.70
	70.0	17.14	2.86	20.82	3.00	24.50	3.15	28.18	3.29	32.60	3.46	35.54	3.57	39.23	3.72
	71.6	16.94	2.88	20.62	3.02	24.30	3.16	27.98	3.30	32.40	3.47	35.34	3.59	39.03	3.73
	75.2	16.49	2.91	20.17	3.05	23.85	3.19	27.53	3.33	31.95	3.51	34.89	3.62	38.58	3.76
CTXS07L + CTXS09H + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
CTXS07L + CTXS09H + CDXS18L	60.8	18.85	2.80	22.64	2.94	26.44	3.08	30.23	3.23	34.79	3.40	37.82	3.51	41.61	3.66
	64.4	18.39	2.83	22.18	2.97	25.97	3.12	29.77	3.26	34.32	3.43	37.36	3.55	41.15	3.69
	68.0	17.92	2.86	21.72	3.00	25.51	3.15	29.30	3.29	33.86	3.46	36.89	3.58	40.69	3.72
	70.0	17.66	2.88	21.46	3.02	25.25	3.16	29.05	3.31	33.60	3.48	36.64	3.59	40.43	3.74
	71.6	17.46	2.89	21.25	3.04	25.05	3.18	28.84	3.32	33.39	3.49	36.43	3.61	40.22	3.75
	75.2	16.99	2.92	20.79	3.07	24.58	3.21	28.38	3.35	32.93	3.53	35.97	3.64	39.76	3.78
CTXS07L + FDXS09L + FTXS18L	60.8	18.85	2.63	22.64	2.76	26.44	2.90	30.23	3.03	34.79	3.19	37.82	3.30	41.61	3.44
	64.4	18.39	2.66	22.18	2.79	25.97	2.93	29.77	3.06	34.32	3.22	37.36	3.33	41.15	3.47
	68.0	17.92	2.69	21.72	2.82	25.51	2.96	29.30	3.09	33.86	3.25	36.89	3.36	40.69	3.50
	70.0	17.66	2.70	21.46	2.84	25.25	2.97	29.05	3.11	33.60	3.27	36.64	3.38	40.43	3.51
	71.6	17.46	2.72	21.25	2.85	25.05	2.99	28.84	3.12	33.39	3.28	36.43	3.39	40.22	3.53
	75.2	16.99	2.75	20.79	2.88	24.58	3.02	28.38	3.15	32.93	3.31	35.97	3.42	39.76	3.55
CTXS07L + FDXS09L + CDXS18L	60.8	18.57	2.87	22.31	3.02	26.05	3.16	29.78	3.31	34.27	3.49	37.26	3.61	41.00	3.75
	64.4	18.11	2.90	21.85	3.05	25.59	3.20	29.33	3.34	33.81	3.52	36.80	3.64	40.54	3.78
	68.0	17.66	2.93	21.39	3.08	25.13	3.23	28.87	3.38	33.35	3.55	36.34	3.67	40.08	3.82
	70.0	17.40	2.95	21.14	3.10	24.88	3.25	28.61	3.39	33.10	3.57	36.09	3.69	39.83	3.83
	71.6	17.20	2.97	20.94	3.11	24.67	3.26	28.41	3.41	32.90	3.58	35.89	3.70	39.62	3.85
	75.2	16.74	3.00	20.48	3.15	24.22	3.29	27.95	3.44	32.44	3.62	35.43	3.73	39.17	3.88
CTXS07L + CTXS12H + CTXS12H	60.8	18.91	2.78	22.71	2.92	26.52	3.07	30.32	3.21	34.89	3.38	37.93	3.49	41.74	3.64
	64.4	18.44	2.81	22.25	2.96	26.05	3.10	29.86	3.24	34.42	3.41	37.47	3.53	41.27	3.67
	68.0	17.98	2.84	21.78	2.99	25.59	3.13	29.39	3.27	33.96	3.44	37.00	3.56	40.81	3.70
	70.0	17.72	2.86	21.52	3.00	25.33	3.15	29.13	3.29	33.70	3.46	36.74	3.57	40.55	3.72
	71.6	17.51	2.88	21.32	3.02	25.12	3.16	28.93	3.30	33.49	3.47	36.54	3.59	40.34	3.73
	75.2	17.05	2.91	20.85	3.05	24.66	3.19	28.46	3.33	33.03	3.51	36.07	3.62	39.88	3.76
CTXS07L + CTXS12H + FDXS12L	60.8	18.57	2.87	22.31	3.02	26.05	3.16	29.78	3.31	34.27	3.49	37.26	3.61	41.00	3.75
	64.4	18.11	2.90	21.85	3.05	25.59	3.20	29.33	3.34	33.81	3.52	36.80	3.64	40.54	3.78
	68.0	17.66	2.93	21.39	3.08	25.13	3.23	28.87	3.38	33.35	3.55	36.34	3.67	40.08	3.82
	70.0	17.40	2.95	21.14	3.10	24.88	3.25	28.61	3.39	33.10	3.57	36.09	3.69	39.83	3.83
	71.6	17.20	2.97	20.94	3.11	24.67	3.26	28.41	3.41	32.90	3.58	35.89	3.70	39.62	3.85
	75.2	16.74	3.00	20.48	3.15	24.22	3.29	27.95	3.44	32.44	3.62	35.43	3.73	39.17	3.88

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
CTXS07L + CTXS12H + FTXS15L	60.8	19.19	2.65	23.05	2.78	26.91	2.92	30.77	3.05	35.41	3.21	38.50	3.32	42.36	3.46
	64.4	18.71	2.67	22.58	2.81	26.44	2.95	30.30	3.08	34.93	3.24	38.02	3.35	41.89	3.49
	68.0	18.24	2.70	22.10	2.84	25.97	2.98	29.83	3.11	34.46	3.27	37.55	3.38	41.41	3.52
	70.0	17.98	2.72	21.84	2.86	25.70	2.99	29.57	3.13	34.20	3.29	37.29	3.40	41.15	3.53
	71.6	17.77	2.73	21.63	2.87	25.49	3.01	29.36	3.14	33.99	3.30	37.08	3.41	40.94	3.55
	75.2	17.30	2.76	21.16	2.90	25.02	3.03	28.88	3.17	33.52	3.33	36.61	3.44	40.47	3.58
CTXS07L + CTXS12H + CDXS15L	60.8	18.85	2.80	22.64	2.94	26.44	3.08	30.23	3.23	34.79	3.40	37.82	3.51	41.61	3.66
	64.4	18.39	2.83	22.18	2.97	25.97	3.12	29.77	3.26	34.32	3.43	37.36	3.55	41.15	3.69
	68.0	17.92	2.86	21.72	3.00	25.51	3.15	29.30	3.29	33.86	3.46	36.89	3.58	40.69	3.72
	70.0	17.66	2.88	21.46	3.02	25.25	3.16	29.05	3.31	33.60	3.48	36.64	3.59	40.43	3.74
	71.6	17.46	2.89	21.25	3.04	25.05	3.18	28.84	3.32	33.39	3.49	36.43	3.61	40.22	3.75
	75.2	16.99	2.92	20.79	3.07	24.58	3.21	28.38	3.35	32.93	3.53	35.97	3.64	39.76	3.78
CTXS07L + FDXS12L + FTXS15L	60.8	18.85	2.70	22.64	2.84	26.44	2.98	30.23	3.12	34.79	3.28	37.82	3.39	41.61	3.53
	64.4	18.39	2.73	22.18	2.87	25.97	3.01	29.77	3.15	34.32	3.31	37.36	3.42	41.15	3.56
	68.0	17.92	2.76	21.72	2.90	25.51	3.04	29.30	3.18	33.86	3.34	36.89	3.45	40.69	3.59
	70.0	17.66	2.78	21.46	2.92	25.25	3.06	29.05	3.19	33.60	3.36	36.64	3.47	40.43	3.61
	71.6	17.46	2.79	21.25	2.93	25.05	3.07	28.84	3.21	33.39	3.37	36.43	3.48	40.22	3.62
	75.2	16.99	2.82	20.79	2.96	24.58	3.10	28.38	3.24	32.93	3.40	35.97	3.51	39.76	3.65
CTXS07L + FDXS12L + CDXS15L	60.8	18.57	2.87	22.31	3.02	26.05	3.16	29.78	3.31	34.27	3.49	37.26	3.61	41.00	3.75
	64.4	18.11	2.90	21.85	3.05	25.59	3.20	29.33	3.34	33.81	3.52	36.80	3.64	40.54	3.78
	68.0	17.66	2.93	21.39	3.08	25.13	3.23	28.87	3.38	33.35	3.55	36.34	3.67	40.08	3.82
	70.0	17.40	2.95	21.14	3.10	24.88	3.25	28.61	3.39	33.10	3.57	36.09	3.69	39.83	3.83
	71.6	17.20	2.97	20.94	3.11	24.67	3.26	28.41	3.41	32.90	3.58	35.89	3.70	39.62	3.85
	75.2	16.74	3.00	20.48	3.15	24.22	3.29	27.95	3.44	32.44	3.62	35.43	3.73	39.17	3.88
CTXS07L + CTXS12H + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
CTXS07L + CTXS12H + CDXS18L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS07L + FDXS12L + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
CTXS07L + FTXS15L + FTXS15L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47
CTXS07L + FTXS15L + CDXS15L	60.8	19.02	2.68	22.85	2.81	26.67	2.95	30.50	3.09	35.10	3.25	38.16	3.36	41.99	3.50
	64.4	18.55	2.71	22.38	2.84	26.21	2.98	30.03	3.12	34.63	3.28	37.69	3.39	41.52	3.53
	68.0	18.08	2.74	21.91	2.87	25.74	3.01	29.57	3.15	34.16	3.31	37.22	3.42	41.05	3.56
	70.0	17.82	2.75	21.65	2.89	25.48	3.03	29.31	3.17	33.90	3.33	36.96	3.44	40.79	3.58
	71.6	17.61	2.77	21.44	2.90	25.27	3.04	29.10	3.18	33.69	3.34	36.75	3.45	40.58	3.59
	75.2	17.15	2.80	20.97	2.93	24.80	3.07	28.63	3.21	33.22	3.37	36.29	3.48	40.11	3.62
CTXS07L + CDXS15L + CDXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
CTXS07L + FTXS15L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + FTXS15L + CDXS18L	60.8	19.02	2.68	22.85	2.81	26.67	2.95	30.50	3.09	35.10	3.25	38.16	3.36	41.99	3.50
	64.4	18.55	2.71	22.38	2.84	26.21	2.98	30.03	3.12	34.63	3.28	37.69	3.39	41.52	3.53
	68.0	18.08	2.74	21.91	2.87	25.74	3.01	29.57	3.15	34.16	3.31	37.22	3.42	41.05	3.56
	70.0	17.82	2.75	21.65	2.89	25.48	3.03	29.31	3.17	33.90	3.33	36.96	3.44	40.79	3.58
	71.6	17.61	2.77	21.44	2.90	25.27	3.04	29.10	3.18	33.69	3.34	36.75	3.45	40.58	3.59
	75.2	17.15	2.80	20.97	2.93	24.80	3.07	28.63	3.21	33.22	3.37	36.29	3.48	40.11	3.62
CTXS07L + CDXS15L + FTXS18L	60.8	19.02	2.66	22.85	2.80	26.67	2.93	30.50	3.07	35.10	3.23	38.16	3.34	41.99	3.48
	64.4	18.55	2.69	22.38	2.83	26.21	2.96	30.03	3.10	34.63	3.26	37.69	3.37	41.52	3.51
	68.0	18.08	2.72	21.91	2.86	25.74	2.99	29.57	3.13	34.16	3.29	37.22	3.40	41.05	3.54
	70.0	17.82	2.74	21.65	2.87	25.48	3.01	29.31	3.15	33.90	3.31	36.96	3.42	40.79	3.56
	71.6	17.61	2.75	21.44	2.89	25.27	3.02	29.10	3.16	33.69	3.32	36.75	3.43	40.58	3.57
	75.2	17.15	2.78	20.97	2.92	24.80	3.05	28.63	3.19	33.22	3.35	36.29	3.46	40.11	3.60
CTXS07L + CDXS15L + CDXS18L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FTXS18L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + FTXS18L + CDXS18L	60.8	19.02	2.66	22.85	2.80	26.67	2.93	30.50	3.07	35.10	3.23	38.16	3.34	41.99	3.48
	64.4	18.55	2.69	22.38	2.83	26.21	2.96	30.03	3.10	34.63	3.26	37.69	3.37	41.52	3.51
	68.0	18.08	2.72	21.91	2.86	25.74	2.99	29.57	3.13	34.16	3.29	37.22	3.40	41.05	3.54
	70.0	17.82	2.74	21.65	2.87	25.48	3.01	29.31	3.15	33.90	3.31	36.96	3.42	40.79	3.56
	71.6	17.61	2.75	21.44	2.89	25.27	3.02	29.10	3.16	33.69	3.32	36.75	3.43	40.58	3.57
	75.2	17.15	2.78	20.97	2.92	24.80	3.05	28.63	3.19	33.22	3.35	36.29	3.46	40.11	3.60
CTXS07L + CDXS18L + CDXS18L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
CTXS09H + CTXS09H + CTXS09H	60.8	18.51	2.65	22.24	2.79	25.97	2.93	29.69	3.06	34.16	3.22	37.15	3.33	40.87	3.47
	64.4	18.06	2.68	21.78	2.82	25.51	2.95	29.24	3.09	33.71	3.25	36.69	3.36	40.42	3.50
	68.0	17.60	2.71	21.33	2.85	25.06	2.98	28.78	3.12	33.25	3.28	36.23	3.39	39.96	3.53
	70.0	17.35	2.73	21.08	2.87	24.80	3.00	28.53	3.14	33.00	3.30	35.98	3.41	39.71	3.54
	71.6	17.15	2.74	20.87	2.88	24.60	3.01	28.33	3.15	32.80	3.31	35.78	3.42	39.50	3.56
	75.2	16.69	2.77	20.42	2.91	24.14	3.04	27.87	3.18	32.34	3.34	35.32	3.45	39.05	3.59
CTXS09H + CTXS09H + FDXS09L	60.8	18.23	2.73	21.90	2.87	25.57	3.01	29.24	3.15	33.65	3.32	36.58	3.43	40.25	3.57
	64.4	17.78	2.76	21.45	2.90	25.12	3.04	28.79	3.18	33.20	3.35	36.13	3.46	39.80	3.60
	68.0	17.34	2.79	21.01	2.93	24.68	3.07	28.35	3.21	32.75	3.38	35.69	3.49	39.36	3.64
	70.0	17.09	2.81	20.76	2.95	24.43	3.09	28.10	3.23	32.50	3.40	35.44	3.51	39.11	3.65
	71.6	16.89	2.83	20.56	2.97	24.23	3.11	27.90	3.25	32.30	3.41	35.24	3.53	38.91	3.67
	75.2	16.44	2.86	20.11	3.00	23.78	3.14	27.45	3.28	31.85	3.44	34.79	3.56	38.46	3.70
CTXS09H + FDXS09L + FDXS09L	60.8	17.90	2.82	21.50	2.97	25.10	3.11	28.70	3.26	33.03	3.43	35.91	3.54	39.51	3.69
	64.4	17.46	2.85	21.06	3.00	24.66	3.14	28.26	3.29	32.59	3.46	35.47	3.58	39.07	3.72
	68.0	17.02	2.89	20.62	3.03	24.22	3.17	27.82	3.32	32.14	3.49	35.03	3.61	38.63	3.75
	70.0	16.77	2.90	20.37	3.05	23.98	3.19	27.58	3.34	31.90	3.51	34.78	3.63	38.38	3.77
	71.6	16.58	2.92	20.18	3.06	23.78	3.21	27.38	3.35	31.70	3.52	34.59	3.64	38.19	3.78
	75.2	16.14	2.95	19.74	3.09	23.34	3.24	26.94	3.38	31.26	3.56	34.15	3.67	37.75	3.82
FDXS09L + FDXS09L + FDXS09L	60.8	17.62	2.93	21.16	3.08	24.71	3.24	28.25	3.39	32.51	3.57	35.34	3.69	38.89	3.84
	64.4	17.18	2.97	20.73	3.12	24.27	3.27	27.82	3.42	32.07	3.60	34.91	3.72	38.46	3.87
	68.0	16.75	3.00	20.29	3.15	23.84	3.30	27.39	3.45	31.64	3.63	34.48	3.75	38.02	3.90
	70.0	16.51	3.02	20.05	3.17	23.60	3.32	27.15	3.47	31.40	3.65	34.24	3.77	37.78	3.92
	71.6	16.32	3.03	19.86	3.18	23.41	3.33	26.95	3.48	31.21	3.66	34.04	3.78	37.59	3.94
	75.2	15.88	3.07	19.43	3.22	22.97	3.37	26.52	3.52	30.77	3.70	33.61	3.82	37.16	3.97
CTXS09H + CTXS09H + CTXS12H	60.8	18.79	2.74	22.58	2.88	26.36	3.02	30.14	3.16	34.68	3.33	37.71	3.44	41.49	3.58
	64.4	18.33	2.77	22.11	2.91	25.90	3.05	29.68	3.19	34.22	3.36	37.25	3.47	41.03	3.61
	68.0	17.87	2.80	21.65	2.94	25.43	3.08	29.22	3.22	33.76	3.39	36.78	3.51	40.57	3.65
	70.0	17.61	2.82	21.40	2.96	25.18	3.10	28.96	3.24	33.50	3.41	36.53	3.52	40.31	3.66
	71.6	17.41	2.83	21.19	2.97	24.97	3.11	28.76	3.26	33.29	3.42	36.32	3.54	40.10	3.68
	75.2	16.94	2.86	20.73	3.01	24.51	3.15	28.29	3.29	32.83	3.45	35.86	3.57	39.64	3.71

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + FDXS12L	60.8	18.46	2.82	22.17	2.97	25.89	3.11	29.60	3.26	34.06	3.43	37.03	3.54	40.75	3.69
	64.4	18.00	2.85	21.72	3.00	25.43	3.14	29.15	3.29	33.61	3.46	36.58	3.58	40.29	3.72
	68.0	17.55	2.89	21.26	3.03	24.98	3.17	28.69	3.32	33.15	3.49	36.12	3.61	39.84	3.75
	70.0	17.30	2.90	21.01	3.05	24.73	3.19	28.44	3.34	32.90	3.51	35.87	3.63	39.59	3.77
	71.6	17.10	2.92	20.81	3.06	24.53	3.21	28.24	3.35	32.70	3.52	35.67	3.64	39.39	3.78
	75.2	16.64	2.95	20.36	3.09	24.07	3.24	27.79	3.38	32.24	3.56	35.22	3.67	38.93	3.82
CTXS09H + FDXS09L + CTXS12H	60.8	18.46	2.82	22.17	2.97	25.89	3.11	29.60	3.26	34.06	3.43	37.03	3.54	40.75	3.69
	64.4	18.00	2.85	21.72	3.00	25.43	3.14	29.15	3.29	33.61	3.46	36.58	3.58	40.29	3.72
	68.0	17.55	2.89	21.26	3.03	24.98	3.17	28.69	3.32	33.15	3.49	36.12	3.61	39.84	3.75
	70.0	17.30	2.90	21.01	3.05	24.73	3.19	28.44	3.34	32.90	3.51	35.87	3.63	39.59	3.77
	71.6	17.10	2.92	20.81	3.06	24.53	3.21	28.24	3.35	32.70	3.52	35.67	3.64	39.39	3.78
	75.2	16.64	2.95	20.36	3.09	24.07	3.24	27.79	3.38	32.24	3.56	35.22	3.67	38.93	3.82
CTXS09H + FDXS09L + FDXS12L	60.8	18.18	2.92	21.84	3.07	25.49	3.22	29.15	3.37	33.54	3.55	36.47	3.67	40.13	3.82
	64.4	17.73	2.95	21.39	3.10	25.05	3.25	28.71	3.40	33.10	3.58	36.02	3.70	39.68	3.85
	68.0	17.28	2.98	20.94	3.13	24.60	3.28	28.26	3.43	32.65	3.61	35.58	3.73	39.23	3.88
	70.0	17.03	3.00	20.69	3.15	24.35	3.30	28.01	3.45	32.40	3.63	35.33	3.75	38.99	3.90
	71.6	16.84	3.02	20.49	3.17	24.15	3.32	27.81	3.47	32.20	3.64	35.13	3.76	38.79	3.91
	75.2	16.39	3.05	20.05	3.20	23.71	3.35	27.36	3.50	31.75	3.68	34.68	3.80	38.34	3.95
FDXS09L + FDXS09L + CTXS12H	60.8	18.18	2.92	21.84	3.07	25.49	3.22	29.15	3.37	33.54	3.55	36.47	3.67	40.13	3.82
	64.4	17.73	2.95	21.39	3.10	25.05	3.25	28.71	3.40	33.10	3.58	36.02	3.70	39.68	3.85
	68.0	17.28	2.98	20.94	3.13	24.60	3.28	28.26	3.43	32.65	3.61	35.58	3.73	39.23	3.88
	70.0	17.03	3.00	20.69	3.15	24.35	3.30	28.01	3.45	32.40	3.63	35.33	3.75	38.99	3.90
	71.6	16.84	3.02	20.49	3.17	24.15	3.32	27.81	3.47	32.20	3.64	35.13	3.76	38.79	3.91
	75.2	16.39	3.05	20.05	3.20	23.71	3.35	27.36	3.50	31.75	3.68	34.68	3.80	38.34	3.95
FDXS09L + FDXS09L + FDXS12L	60.8	17.67	2.93	21.23	3.08	24.79	3.24	28.34	3.39	32.61	3.57	35.46	3.69	39.01	3.84
	64.4	17.24	2.97	20.79	3.12	24.35	3.27	27.91	3.42	32.18	3.60	35.02	3.72	38.58	3.87
	68.0	16.80	3.00	20.36	3.15	23.92	3.30	27.47	3.45	31.74	3.63	34.59	3.75	38.14	3.90
	70.0	16.56	3.02	20.12	3.17	23.67	3.32	27.23	3.47	31.50	3.65	34.35	3.77	37.90	3.92
	71.6	16.37	3.03	19.92	3.18	23.48	3.33	27.04	3.48	31.31	3.66	34.15	3.78	37.71	3.94
	75.2	15.93	3.07	19.49	3.22	23.05	3.37	26.60	3.52	30.87	3.70	33.72	3.82	37.27	3.97
CTXS09H + CTXS09H + FTXS15L	60.8	19.07	2.65	22.91	2.78	26.75	2.92	30.59	3.05	35.20	3.21	38.27	3.32	42.11	3.46
	64.4	18.61	2.67	22.44	2.81	26.28	2.95	30.12	3.08	34.73	3.24	37.80	3.35	41.64	3.49
	68.0	18.14	2.70	21.98	2.84	25.81	2.98	29.65	3.11	34.26	3.27	37.33	3.38	41.17	3.52
	70.0	17.88	2.72	21.71	2.86	25.55	2.99	29.39	3.13	34.00	3.29	37.07	3.40	40.91	3.53
	71.6	17.67	2.73	21.51	2.87	25.35	3.01	29.18	3.14	33.79	3.30	36.86	3.41	40.70	3.55
	75.2	17.20	2.76	21.04	2.90	24.88	3.03	28.71	3.17	33.32	3.33	36.39	3.44	40.23	3.58
CTXS09H + CTXS09H + CDXS15L	60.8	18.74	2.75	22.51	2.89	26.28	3.03	30.05	3.17	34.58	3.34	37.60	3.45	41.37	3.59
	64.4	18.28	2.78	22.05	2.92	25.82	3.06	29.59	3.20	34.12	3.37	37.13	3.48	40.91	3.63
	68.0	17.82	2.81	21.59	2.95	25.36	3.09	29.13	3.23	33.66	3.40	36.67	3.52	40.44	3.66
	70.0	17.56	2.83	21.33	2.97	25.10	3.11	28.87	3.25	33.40	3.42	36.42	3.53	40.19	3.67
	71.6	17.35	2.84	21.13	2.98	24.90	3.12	28.67	3.26	33.20	3.43	36.21	3.55	39.98	3.69
	75.2	16.89	2.87	20.67	3.01	24.44	3.15	28.21	3.30	32.73	3.46	35.75	3.58	39.52	3.72
CTXS09H + FDXS09L + FTXS15L	60.8	18.74	2.65	22.51	2.79	26.28	2.93	30.05	3.06	34.58	3.22	37.60	3.33	41.37	3.47
	64.4	18.28	2.68	22.05	2.82	25.82	2.95	29.59	3.09	34.12	3.25	37.13	3.36	40.91	3.50
	68.0	17.82	2.71	21.59	2.85	25.36	2.98	29.13	3.12	33.66	3.28	36.67	3.39	40.44	3.53
	70.0	17.56	2.73	21.33	2.87	25.10	3.00	28.87	3.14	33.40	3.30	36.42	3.41	40.19	3.54
	71.6	17.35	2.74	21.13	2.88	24.90	3.01	28.67	3.15	33.20	3.31	36.21	3.42	39.98	3.56
	75.2	16.89	2.77	20.67	2.91	24.44	3.04	28.21	3.18	32.73	3.34	35.75	3.45	39.52	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + CDXS15L	60.8	18.46	2.82	22.17	2.97	25.89	3.11	29.60	3.26	34.06	3.43	37.03	3.54	40.75	3.69
	64.4	18.00	2.85	21.72	3.00	25.43	3.14	29.15	3.29	33.61	3.46	36.58	3.58	40.29	3.72
	68.0	17.55	2.89	21.26	3.03	24.98	3.17	28.69	3.32	33.15	3.49	36.12	3.61	39.84	3.75
	70.0	17.30	2.90	21.01	3.05	24.73	3.19	28.44	3.34	32.90	3.51	35.87	3.63	39.59	3.77
	71.6	17.10	2.92	20.81	3.06	24.53	3.21	28.24	3.35	32.70	3.52	35.67	3.64	39.39	3.78
	75.2	16.64	2.95	20.36	3.09	24.07	3.24	27.79	3.38	32.24	3.56	35.22	3.67	38.93	3.82
FDXS09L + FDXS09L + FTXS15L	60.8	18.46	2.73	22.17	2.87	25.89	3.00	29.60	3.14	34.06	3.31	37.03	3.42	40.75	3.56
	64.4	18.00	2.76	21.72	2.90	25.43	3.04	29.15	3.17	33.61	3.34	36.58	3.45	40.29	3.59
	68.0	17.55	2.79	21.26	2.93	24.98	3.07	28.69	3.21	33.15	3.37	36.12	3.48	39.84	3.62
	70.0	17.30	2.80	21.01	2.94	24.73	3.08	28.44	3.22	32.90	3.39	35.87	3.50	39.59	3.64
	71.6	17.10	2.82	20.81	2.96	24.53	3.10	28.24	3.24	32.70	3.40	35.67	3.52	39.39	3.65
	75.2	16.64	2.85	20.36	2.99	24.07	3.13	27.79	3.27	32.24	3.43	35.22	3.55	38.93	3.69
FDXS09L + FDXS09L + CDXS15L	60.8	18.12	2.91	21.77	3.06	25.42	3.21	29.06	3.36	33.44	3.54	36.36	3.66	40.00	3.80
	64.4	17.68	2.94	21.32	3.09	24.97	3.24	28.62	3.39	32.99	3.57	35.91	3.69	39.56	3.84
	68.0	17.23	2.98	20.88	3.12	24.52	3.27	28.17	3.42	32.55	3.60	35.47	3.72	39.11	3.87
	70.0	16.98	2.99	20.63	3.14	24.28	3.29	27.92	3.44	32.30	3.62	35.22	3.74	38.87	3.89
	71.6	16.78	3.01	20.43	3.16	24.08	3.31	27.73	3.46	32.10	3.63	35.02	3.75	38.67	3.90
	75.2	16.34	3.04	19.98	3.19	23.63	3.34	27.28	3.49	31.66	3.67	34.57	3.79	38.22	3.94
CTXS09H + CTXS09H + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
CTXS09H + CTXS09H + CDXS18L	60.8	18.85	2.80	22.64	2.94	26.44	3.08	30.23	3.23	34.79	3.40	37.82	3.51	41.61	3.66
	64.4	18.39	2.83	22.18	2.97	25.97	3.12	29.77	3.26	34.32	3.43	37.36	3.55	41.15	3.69
	68.0	17.92	2.86	21.72	3.00	25.51	3.15	29.30	3.29	33.86	3.46	36.89	3.58	40.69	3.72
	70.0	17.66	2.88	21.46	3.02	25.25	3.16	29.05	3.31	33.60	3.48	36.64	3.59	40.43	3.74
	71.6	17.46	2.89	21.25	3.04	25.05	3.18	28.84	3.32	33.39	3.49	36.43	3.61	40.22	3.75
	75.2	16.99	2.92	20.79	3.07	24.58	3.21	28.38	3.35	32.93	3.53	35.97	3.64	39.76	3.78
CTXS09H + FDXS09L + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67
CTXS09H + FDXS09L + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FDXS09L + FTXS18L	60.8	18.74	2.79	22.51	2.93	26.28	3.08	30.05	3.22	34.58	3.39	37.60	3.50	41.37	3.65
	64.4	18.28	2.82	22.05	2.96	25.82	3.11	29.59	3.25	34.12	3.42	37.13	3.54	40.91	3.68
	68.0	17.82	2.85	21.59	3.00	25.36	3.14	29.13	3.28	33.66	3.45	36.67	3.57	40.44	3.71
	70.0	17.56	2.87	21.33	3.01	25.10	3.16	28.87	3.30	33.40	3.47	36.42	3.58	40.19	3.73
	71.6	17.35	2.88	21.13	3.03	24.90	3.17	28.67	3.31	33.20	3.48	36.21	3.60	39.98	3.74
	75.2	16.89	2.92	20.67	3.06	24.44	3.20	28.21	3.34	32.73	3.52	35.75	3.63	39.52	3.77

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + CDXS18L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
CTXS09H + CTXS12H + CTXS12H	60.8	18.91	2.78	22.71	2.92	26.52	3.07	30.32	3.21	34.89	3.38	37.93	3.49	41.74	3.64
	64.4	18.44	2.81	22.25	2.96	26.05	3.10	29.86	3.24	34.42	3.41	37.47	3.53	41.27	3.67
	68.0	17.98	2.84	21.78	2.99	25.59	3.13	29.39	3.27	33.96	3.44	37.00	3.56	40.81	3.70
	70.0	17.72	2.86	21.52	3.00	25.33	3.15	29.13	3.29	33.70	3.46	36.74	3.57	40.55	3.72
	71.6	17.51	2.88	21.32	3.02	25.12	3.16	28.93	3.30	33.49	3.47	36.54	3.59	40.34	3.73
	75.2	17.05	2.91	20.85	3.05	24.66	3.19	28.46	3.33	33.03	3.51	36.07	3.62	39.88	3.76
CTXS09H + CTXS12H + FDXS12L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
CTXS09H + FDXS12L + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
FDXS09L + CTXS12H + CTXS12H	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + CTXS12H + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
FDXS09L + FDXS12L + FDXS12L	60.8	17.67	2.93	21.23	3.08	24.79	3.24	28.34	3.39	32.61	3.57	35.46	3.69	39.01	3.84
	64.4	17.24	2.97	20.79	3.12	24.35	3.27	27.91	3.42	32.18	3.60	35.02	3.72	38.58	3.87
	68.0	16.80	3.00	20.36	3.15	23.92	3.30	27.47	3.45	31.74	3.63	34.59	3.75	38.14	3.90
	70.0	16.56	3.02	20.12	3.17	23.67	3.32	27.23	3.47	31.50	3.65	34.35	3.77	37.90	3.92
	71.6	16.37	3.03	19.92	3.18	23.48	3.33	27.04	3.48	31.31	3.66	34.15	3.78	37.71	3.94
	75.2	15.93	3.07	19.49	3.22	23.05	3.37	26.60	3.52	30.87	3.70	33.72	3.82	37.27	3.97
CTXS09H + CTXS12H + FTXS15L	60.8	19.19	2.65	23.05	2.78	26.91	2.92	30.77	3.05	35.41	3.21	38.50	3.32	42.36	3.46
	64.4	18.71	2.67	22.58	2.81	26.44	2.95	30.30	3.08	34.93	3.24	38.02	3.35	41.89	3.49
	68.0	18.24	2.70	22.10	2.84	25.97	2.98	29.83	3.11	34.46	3.27	37.55	3.38	41.41	3.52
	70.0	17.98	2.72	21.84	2.86	25.70	2.99	29.57	3.13	34.20	3.29	37.29	3.40	41.15	3.53
	71.6	17.77	2.73	21.63	2.87	25.49	3.01	29.36	3.14	33.99	3.30	37.08	3.41	40.94	3.55
	75.2	17.30	2.76	21.16	2.90	25.02	3.03	28.88	3.17	33.52	3.33	36.61	3.44	40.47	3.58



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS12H + CDXS15L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS09H + FDXS12L + FTXS15L	60.8	19.02	2.75	22.85	2.89	26.67	3.03	30.50	3.17	35.10	3.34	38.16	3.45	41.99	3.59
	64.4	18.55	2.78	22.38	2.92	26.21	3.06	30.03	3.20	34.63	3.37	37.69	3.48	41.52	3.63
	68.0	18.08	2.81	21.91	2.95	25.74	3.09	29.57	3.23	34.16	3.40	37.22	3.52	41.05	3.66
	70.0	17.82	2.83	21.65	2.97	25.48	3.11	29.31	3.25	33.90	3.42	36.96	3.53	40.79	3.67
	71.6	17.61	2.84	21.44	2.98	25.27	3.12	29.10	3.26	33.69	3.43	36.75	3.55	40.58	3.69
	75.2	17.15	2.87	20.97	3.01	24.80	3.15	28.63	3.30	33.22	3.46	36.29	3.58	40.11	3.72
CTXS09H + FDXS12L + CDXS15L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + CTXS12H + FTXS15L	60.8	19.02	2.75	22.85	2.89	26.67	3.03	30.50	3.17	35.10	3.34	38.16	3.45	41.99	3.59
	64.4	18.55	2.78	22.38	2.92	26.21	3.06	30.03	3.20	34.63	3.37	37.69	3.48	41.52	3.63
	68.0	18.08	2.81	21.91	2.95	25.74	3.09	29.57	3.23	34.16	3.40	37.22	3.52	41.05	3.66
	70.0	17.82	2.83	21.65	2.97	25.48	3.11	29.31	3.25	33.90	3.42	36.96	3.53	40.79	3.67
	71.6	17.61	2.84	21.44	2.98	25.27	3.12	29.10	3.26	33.69	3.43	36.75	3.55	40.58	3.69
	75.2	17.15	2.87	20.97	3.01	24.80	3.15	28.63	3.30	33.22	3.46	36.29	3.58	40.11	3.72
FDXS09L + CTXS12H + CDXS15L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FDXS12L + FTXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
FDXS09L + FDXS12L + CDXS15L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
CTXS09H + CTXS12H + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CTXS12H + CDXS18L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS09H + FDXS12L + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67
CTXS09H + FDXS12L + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + CTXS12H + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67
FDXS09L + CTXS12H + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FDXS12L + FTXS18L	60.8	18.74	2.79	22.51	2.93	26.28	3.08	30.05	3.22	34.58	3.39	37.60	3.50	41.37	3.65
	64.4	18.28	2.82	22.05	2.96	25.82	3.11	29.59	3.25	34.12	3.42	37.13	3.54	40.91	3.68
	68.0	17.82	2.85	21.59	3.00	25.36	3.14	29.13	3.28	33.66	3.45	36.67	3.57	40.44	3.71
	70.0	17.56	2.87	21.33	3.01	25.10	3.16	28.87	3.30	33.40	3.47	36.42	3.58	40.19	3.73
	71.6	17.35	2.88	21.13	3.03	24.90	3.17	28.67	3.31	33.20	3.48	36.21	3.60	39.98	3.74
	75.2	16.89	2.92	20.67	3.06	24.44	3.20	28.21	3.34	32.73	3.52	35.75	3.63	39.52	3.77
FDXS09L + FDXS12L + CDXS18L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
CTXS09H + FTXS15L + FTXS15L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS15L + CDXS15L	60.8	19.02	2.68	22.85	2.81	26.67	2.95	30.50	3.09	35.10	3.25	38.16	3.36	41.99	3.50
	64.4	18.55	2.71	22.38	2.84	26.21	2.98	30.03	3.12	34.63	3.28	37.69	3.39	41.52	3.53
	68.0	18.08	2.74	21.91	2.87	25.74	3.01	29.57	3.15	34.16	3.31	37.22	3.42	41.05	3.56
	70.0	17.82	2.75	21.65	2.89	25.48	3.03	29.31	3.17	33.90	3.33	36.96	3.44	40.79	3.58
	71.6	17.61	2.77	21.44	2.90	25.27	3.04	29.10	3.18	33.69	3.34	36.75	3.45	40.58	3.59
	75.2	17.15	2.80	20.97	2.93	24.80	3.07	28.63	3.21	33.22	3.37	36.29	3.48	40.11	3.62
CTXS09H + CDXS15L + CDXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
FDXS09L + FTXS15L + FTXS15L	60.8	19.02	2.60	22.85	2.73	26.67	2.86	30.50	3.00	35.10	3.16	38.16	3.26	41.99	3.40
	64.4	18.55	2.63	22.38	2.76	26.21	2.89	30.03	3.03	34.63	3.18	37.69	3.29	41.52	3.42
	68.0	18.08	2.66	21.91	2.79	25.74	2.92	29.57	3.05	34.16	3.21	37.22	3.32	41.05	3.45
	70.0	17.82	2.67	21.65	2.80	25.48	2.94	29.31	3.07	33.90	3.23	36.96	3.34	40.79	3.47
	71.6	17.61	2.68	21.44	2.82	25.27	2.95	29.10	3.08	33.69	3.24	36.75	3.35	40.58	3.48
	75.2	17.15	2.71	20.97	2.85	24.80	2.98	28.63	3.11	33.22	3.27	36.29	3.38	40.11	3.51
FDXS09L + FTXS15L + CDXS15L	60.8	18.74	2.73	22.51	2.87	26.28	3.00	30.05	3.14	34.58	3.31	37.60	3.42	41.37	3.56
	64.4	18.28	2.76	22.05	2.90	25.82	3.04	29.59	3.17	34.12	3.34	37.13	3.45	40.91	3.59
	68.0	17.82	2.79	21.59	2.93	25.36	3.07	29.13	3.21	33.66	3.37	36.67	3.48	40.44	3.62
	70.0	17.56	2.80	21.33	2.94	25.10	3.08	28.87	3.22	33.40	3.39	36.42	3.50	40.19	3.64
	71.6	17.35	2.82	21.13	2.96	24.90	3.10	28.67	3.24	33.20	3.40	36.21	3.52	39.98	3.65
	75.2	16.89	2.85	20.67	2.99	24.44	3.13	28.21	3.27	32.73	3.43	35.75	3.55	39.52	3.69
FDXS09L + CDXS15L + CDXS15L	60.8	18.40	2.83	22.11	2.98	25.81	3.12	29.51	3.27	33.96	3.44	36.92	3.55	40.62	3.70
	64.4	17.95	2.86	21.65	3.01	25.36	3.15	29.06	3.30	33.50	3.47	36.47	3.59	40.17	3.73
	68.0	17.50	2.89	21.20	3.04	24.90	3.18	28.61	3.33	33.05	3.50	36.01	3.62	39.72	3.76
	70.0	17.24	2.91	20.95	3.06	24.65	3.20	28.36	3.35	32.80	3.52	35.76	3.64	39.47	3.78
	71.6	17.04	2.93	20.75	3.07	24.45	3.22	28.15	3.36	32.60	3.53	35.56	3.65	39.27	3.80
	75.2	16.59	2.96	20.29	3.10	24.00	3.25	27.70	3.39	32.15	3.57	35.11	3.68	38.81	3.83
CTXS09H + FTXS15L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + FTXS15L + CDXS18L	60.8	19.07	2.68	22.91	2.81	26.75	2.95	30.59	3.09	35.20	3.25	38.27	3.36	42.11	3.50
	64.4	18.61	2.71	22.44	2.84	26.28	2.98	30.12	3.12	34.73	3.28	37.80	3.39	41.64	3.53
	68.0	18.14	2.74	21.98	2.87	25.81	3.01	29.65	3.15	34.26	3.31	37.33	3.42	41.17	3.56
	70.0	17.88	2.75	21.71	2.89	25.55	3.03	29.39	3.17	34.00	3.33	37.07	3.44	40.91	3.58
	71.6	17.67	2.77	21.51	2.90	25.35	3.04	29.18	3.18	33.79	3.34	36.86	3.45	40.70	3.59
	75.2	17.20	2.80	21.04	2.93	24.88	3.07	28.71	3.21	33.32	3.37	36.39	3.48	40.23	3.62
CTXS09H + CDXS15L + FTXS18L	60.8	19.07	2.66	22.91	2.80	26.75	2.93	30.59	3.07	35.20	3.23	38.27	3.34	42.11	3.48
	64.4	18.61	2.69	22.44	2.83	26.28	2.96	30.12	3.10	34.73	3.26	37.80	3.37	41.64	3.51
	68.0	18.14	2.72	21.98	2.86	25.81	2.99	29.65	3.13	34.26	3.29	37.33	3.40	41.17	3.54
	70.0	17.88	2.74	21.71	2.87	25.55	3.01	29.39	3.15	34.00	3.31	37.07	3.42	40.91	3.56
	71.6	17.67	2.75	21.51	2.89	25.35	3.02	29.18	3.16	33.79	3.32	36.86	3.43	40.70	3.57
	75.2	17.20	2.78	21.04	2.92	24.88	3.05	28.71	3.19	33.32	3.35	36.39	3.46	40.23	3.60

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CDXS15L + CDXS18L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80
FDXS09L + FTXS15L + FTXS18L	60.8	19.07	2.58	22.91	2.71	26.75	2.85	30.59	2.98	35.20	3.14	38.27	3.24	42.11	3.37
	64.4	18.61	2.61	22.44	2.74	26.28	2.87	30.12	3.01	34.73	3.17	37.80	3.27	41.64	3.40
	68.0	18.14	2.64	21.98	2.77	25.81	2.90	29.65	3.04	34.26	3.19	37.33	3.30	41.17	3.43
	70.0	17.88	2.65	21.71	2.79	25.55	2.92	29.39	3.05	34.00	3.21	37.07	3.32	40.91	3.45
	71.6	17.67	2.67	21.51	2.80	25.35	2.93	29.18	3.06	33.79	3.22	36.86	3.33	40.70	3.46
	75.2	17.20	2.70	21.04	2.83	24.88	2.96	28.71	3.09	33.32	3.25	36.39	3.36	40.23	3.49
FDXS09L + FTXS15L + CDXS18L	60.8	18.79	2.73	22.58	2.87	26.36	3.00	30.14	3.14	34.68	3.31	37.71	3.42	41.49	3.56
	64.4	18.33	2.76	22.11	2.90	25.90	3.04	29.68	3.17	34.22	3.34	37.25	3.45	41.03	3.59
	68.0	17.87	2.79	21.65	2.93	25.43	3.07	29.22	3.21	33.76	3.37	36.78	3.48	40.57	3.62
	70.0	17.61	2.80	21.40	2.94	25.18	3.08	28.96	3.22	33.50	3.39	36.53	3.50	40.31	3.64
	71.6	17.41	2.82	21.19	2.96	24.97	3.10	28.76	3.24	33.29	3.40	36.32	3.52	40.10	3.65
	75.2	16.94	2.85	20.73	2.99	24.51	3.13	28.29	3.27	32.83	3.43	35.86	3.55	39.64	3.69
FDXS09L + CDXS15L + FTXS18L	60.8	18.79	2.70	22.58	2.84	26.36	2.98	30.14	3.12	34.68	3.28	37.71	3.39	41.49	3.53
	64.4	18.33	2.73	22.11	2.87	25.90	3.01	29.68	3.15	34.22	3.31	37.25	3.42	41.03	3.56
	68.0	17.87	2.76	21.65	2.90	25.43	3.04	29.22	3.18	33.76	3.34	36.78	3.45	40.57	3.59
	70.0	17.61	2.78	21.40	2.92	25.18	3.06	28.96	3.19	33.50	3.36	36.53	3.47	40.31	3.61
	71.6	17.41	2.79	21.19	2.93	24.97	3.07	28.76	3.21	33.29	3.37	36.32	3.48	40.10	3.62
	75.2	16.94	2.82	20.73	2.96	24.51	3.10	28.29	3.24	32.83	3.40	35.86	3.51	39.64	3.65
FDXS09L + CDXS15L + CDXS18L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
CTXS09H + FTXS18L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + FTXS18L + CDXS18L	60.8	19.07	2.66	22.91	2.80	26.75	2.93	30.59	3.07	35.20	3.23	38.27	3.34	42.11	3.48
	64.4	18.61	2.69	22.44	2.83	26.28	2.96	30.12	3.10	34.73	3.26	37.80	3.37	41.64	3.51
	68.0	18.14	2.72	21.98	2.86	25.81	2.99	29.65	3.13	34.26	3.29	37.33	3.40	41.17	3.54
	70.0	17.88	2.74	21.71	2.87	25.55	3.01	29.39	3.15	34.00	3.31	37.07	3.42	40.91	3.56
	71.6	17.67	2.75	21.51	2.89	25.35	3.02	29.18	3.16	33.79	3.32	36.86	3.43	40.70	3.57
	75.2	17.20	2.78	21.04	2.92	24.88	3.05	28.71	3.19	33.32	3.35	36.39	3.46	40.23	3.60
CTXS09H + CDXS18L + CDXS18L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FTXS18L + FTXS18L	60.8	19.07	2.56	22.91	2.70	26.75	2.83	30.59	2.96	35.20	3.12	38.27	3.22	42.11	3.35
	64.4	18.61	2.59	22.44	2.72	26.28	2.86	30.12	2.99	34.73	3.15	37.80	3.25	41.64	3.38
	68.0	18.14	2.62	21.98	2.75	25.81	2.89	29.65	3.02	34.26	3.17	37.33	3.28	41.17	3.41
	70.0	17.88	2.64	21.71	2.77	25.55	2.90	29.39	3.03	34.00	3.19	37.07	3.30	40.91	3.43
	71.6	17.67	2.65	21.51	2.78	25.35	2.91	29.18	3.05	33.79	3.20	36.86	3.31	40.70	3.44
	75.2	17.20	2.68	21.04	2.81	24.88	2.94	28.71	3.07	33.32	3.23	36.39	3.34	40.23	3.47
FDXS09L + FTXS18L + CDXS18L	60.8	18.79	2.70	22.58	2.84	26.36	2.98	30.14	3.12	34.68	3.28	37.71	3.39	41.49	3.53
	64.4	18.33	2.73	22.11	2.87	25.90	3.01	29.68	3.15	34.22	3.31	37.25	3.42	41.03	3.56
	68.0	17.87	2.76	21.65	2.90	25.43	3.04	29.22	3.18	33.76	3.34	36.78	3.45	40.57	3.59
	70.0	17.61	2.78	21.40	2.92	25.18	3.06	28.96	3.19	33.50	3.36	36.53	3.47	40.31	3.61
	71.6	17.41	2.79	21.19	2.93	24.97	3.07	28.76	3.21	33.29	3.37	36.32	3.48	40.10	3.62
	75.2	16.94	2.82	20.73	2.96	24.51	3.10	28.29	3.24	32.83	3.40	35.86	3.51	39.64	3.65
FDXS09L + CDXS18L + CDXS18L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
CTXS12H + CTXS12H + CTXS12H	60.8	18.91	2.78	22.71	2.92	26.52	3.07	30.32	3.21	34.89	3.38	37.93	3.49	41.74	3.64
	64.4	18.44	2.81	22.25	2.96	26.05	3.10	29.86	3.24	34.42	3.41	37.47	3.53	41.27	3.67
	68.0	17.98	2.84	21.78	2.99	25.59	3.13	29.39	3.27	33.96	3.44	37.00	3.56	40.81	3.70
	70.0	17.72	2.86	21.52	3.00	25.33	3.15	29.13	3.29	33.70	3.46	36.74	3.57	40.55	3.72
	71.6	17.51	2.88	21.32	3.02	25.12	3.16	28.93	3.30	33.49	3.47	36.54	3.59	40.34	3.73
	75.2	17.05	2.91	20.85	3.05	24.66	3.19	28.46	3.33	33.03	3.51	36.07	3.62	39.88	3.76
CTXS12H + CTXS12H + FDXS12L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
CTXS12H + FDXS12L + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
FDXS12L + FDXS12L + FDXS12L	60.8	17.67	2.93	21.23	3.08	24.79	3.24	28.34	3.39	32.61	3.57	35.46	3.69	39.01	3.84
	64.4	17.24	2.97	20.79	3.12	24.35	3.27	27.91	3.42	32.18	3.60	35.02	3.72	38.58	3.87
	68.0	16.80	3.00	20.36	3.15	23.92	3.30	27.47	3.45	31.74	3.63	34.59	3.75	38.14	3.90
	70.0	16.56	3.02	20.12	3.17	23.67	3.32	27.23	3.47	31.50	3.65	34.35	3.77	37.90	3.92
	71.6	16.37	3.03	19.92	3.18	23.48	3.33	27.04	3.48	31.31	3.66	34.15	3.78	37.71	3.94
	75.2	15.93	3.07	19.49	3.22	23.05	3.37	26.60	3.52	30.87	3.70	33.72	3.82	37.27	3.97
CTXS12H + CTXS12H + FTXS15L	60.8	19.19	2.65	23.05	2.78	26.91	2.92	30.77	3.05	35.41	3.21	38.50	3.32	42.36	3.46
	64.4	18.71	2.67	22.58	2.81	26.44	2.95	30.30	3.08	34.93	3.24	38.02	3.35	41.89	3.49
	68.0	18.24	2.70	22.10	2.84	25.97	2.98	29.83	3.11	34.46	3.27	37.55	3.38	41.41	3.52
	70.0	17.98	2.72	21.84	2.86	25.70	2.99	29.57	3.13	34.20	3.29	37.29	3.40	41.15	3.53
	71.6	17.77	2.73	21.63	2.87	25.49	3.01	29.36	3.14	33.99	3.30	37.08	3.41	40.94	3.55
	75.2	17.30	2.76	21.16	2.90	25.02	3.03	28.88	3.17	33.52	3.33	36.61	3.44	40.47	3.58

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS12H + CTXS12H + CDXS15L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS12H + FDXS12L + FTXS15L	60.8	19.02	2.75	22.85	2.89	26.67	3.03	30.50	3.17	35.10	3.34	38.16	3.45	41.99	3.59
	64.4	18.55	2.78	22.38	2.92	26.21	3.06	30.03	3.20	34.63	3.37	37.69	3.48	41.52	3.63
	68.0	18.08	2.81	21.91	2.95	25.74	3.09	29.57	3.23	34.16	3.40	37.22	3.52	41.05	3.66
	70.0	17.82	2.83	21.65	2.97	25.48	3.11	29.31	3.25	33.90	3.42	36.96	3.53	40.79	3.67
	71.6	17.61	2.84	21.44	2.98	25.27	3.12	29.10	3.26	33.69	3.43	36.75	3.55	40.58	3.69
	75.2	17.15	2.87	20.97	3.01	24.80	3.15	28.63	3.30	33.22	3.46	36.29	3.58	40.11	3.72
CTXS12H + FDXS12L + CDXS15L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS12L + FDXS12L + FTXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
FDXS12L + FDXS12L + CDXS15L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
CTXS12H + CTXS12H + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
CTXS12H + CTXS12H + CDXS18L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS12H + FDXS12L + FTXS18L	60.8	19.07	2.72	22.91	2.86	26.75	3.00	30.59	3.14	35.20	3.30	38.27	3.41	42.11	3.55
	64.4	18.61	2.75	22.44	2.89	26.28	3.03	30.12	3.17	34.73	3.33	37.80	3.44	41.64	3.58
	68.0	18.14	2.78	21.98	2.92	25.81	3.06	29.65	3.20	34.26	3.36	37.33	3.47	41.17	3.61
	70.0	17.88	2.80	21.71	2.93	25.55	3.07	29.39	3.21	34.00	3.38	37.07	3.49	40.91	3.63
	71.6	17.67	2.81	21.51	2.95	25.35	3.09	29.18	3.23	33.79	3.39	36.86	3.50	40.70	3.64
	75.2	17.20	2.84	21.04	2.98	24.88	3.12	28.71	3.26	33.32	3.42	36.39	3.54	40.23	3.67

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FDXS12L + CDXS18L	60.8	18.79	2.96	22.58	3.11	26.36	3.26	30.14	3.41	34.68	3.60	37.71	3.72	41.49	3.87
	64.4	18.33	2.99	22.11	3.14	25.90	3.30	29.68	3.45	34.22	3.63	37.25	3.75	41.03	3.90
	68.0	17.87	3.03	21.65	3.18	25.43	3.33	29.22	3.48	33.76	3.66	36.78	3.78	40.57	3.93
	70.0	17.61	3.04	21.40	3.20	25.18	3.35	28.96	3.50	33.50	3.68	36.53	3.80	40.31	3.95
	71.6	17.41	3.06	21.19	3.21	24.97	3.36	28.76	3.51	33.29	3.69	36.32	3.82	40.10	3.97
	75.2	16.94	3.09	20.73	3.24	24.51	3.39	28.29	3.55	32.83	3.73	35.86	3.85	39.58	3.97
FDXS12L + FDXS12L + FTXS18L	60.8	18.79	2.79	22.58	2.93	26.36	3.08	30.14	3.22	34.68	3.39	37.71	3.50	41.49	3.65
	64.4	18.33	2.82	22.11	2.96	25.90	3.11	29.68	3.25	34.22	3.42	37.25	3.54	41.03	3.68
	68.0	17.87	2.85	21.65	3.00	25.43	3.14	29.22	3.28	33.76	3.45	36.78	3.57	40.57	3.71
	70.0	17.61	2.87	21.40	3.01	25.18	3.16	28.96	3.30	33.50	3.47	36.53	3.58	40.31	3.73
	71.6	17.41	2.88	21.19	3.03	24.97	3.17	28.76	3.31	33.29	3.48	36.32	3.60	40.10	3.74
	75.2	16.94	2.92	20.73	3.06	24.51	3.20	28.29	3.34	32.83	3.52	35.86	3.63	39.64	3.77
FDXS12L + FDXS12L + CDXS18L	60.8	18.46	3.01	22.17	3.16	25.89	3.32	29.60	3.47	34.06	3.65	37.03	3.78	40.75	3.93
	64.4	18.00	3.04	21.72	3.19	25.43	3.35	29.15	3.50	33.61	3.69	36.58	3.81	40.29	3.96
	68.0	17.55	3.07	21.26	3.23	24.98	3.38	28.69	3.54	33.15	3.72	36.12	3.84	39.78	3.97
	70.0	17.30	3.09	21.01	3.25	24.73	3.40	28.44	3.56	32.90	3.74	35.87	3.86	39.49	3.97
	71.6	17.10	3.11	20.81	3.26	24.53	3.42	28.24	3.57	32.70	3.75	35.67	3.88	39.26	3.97
	75.2	16.64	3.14	20.36	3.30	24.07	3.45	27.79	3.60	32.24	3.79	35.22	3.91	38.75	3.97
CTXS12H + FTXS15L + FTXS15L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47
CTXS12H + FTXS15L + CDXS15L	60.8	19.07	2.72	22.91	2.86	26.75	3.00	30.59	3.14	35.20	3.30	38.27	3.41	42.11	3.55
	64.4	18.61	2.75	22.44	2.89	26.28	3.03	30.12	3.17	34.73	3.33	37.80	3.44	41.64	3.58
	68.0	18.14	2.78	21.98	2.92	25.81	3.06	29.65	3.20	34.26	3.36	37.33	3.47	41.17	3.61
	70.0	17.88	2.80	21.71	2.93	25.55	3.07	29.39	3.21	34.00	3.38	37.07	3.49	40.91	3.63
	71.6	17.67	2.81	21.51	2.95	25.35	3.09	29.18	3.23	33.79	3.39	36.86	3.50	40.70	3.64
	75.2	17.20	2.84	21.04	2.98	24.88	3.12	28.71	3.26	33.32	3.42	36.39	3.54	40.23	3.67
CTXS12H + CDXS15L + CDXS15L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80
FDXS12L + FTXS15L + FTXS15L	60.8	19.07	2.60	22.91	2.73	26.75	2.86	30.59	3.00	35.20	3.16	38.27	3.26	42.11	3.40
	64.4	18.61	2.63	22.44	2.76	26.28	2.89	30.12	3.03	34.73	3.18	37.80	3.29	41.64	3.42
	68.0	18.14	2.66	21.98	2.79	25.81	2.92	29.65	3.05	34.26	3.21	37.33	3.32	41.17	3.45
	70.0	17.88	2.67	21.71	2.80	25.55	2.94	29.39	3.07	34.00	3.23	37.07	3.34	40.91	3.47
	71.6	17.67	2.68	21.51	2.82	25.35	2.95	29.18	3.08	33.79	3.24	36.86	3.35	40.70	3.48
	75.2	17.20	2.71	21.04	2.85	24.88	2.98	28.71	3.11	33.32	3.27	36.39	3.38	40.23	3.51
FDXS12L + FTXS15L + CDXS15L	60.8	18.79	2.73	22.58	2.87	26.36	3.00	30.14	3.14	34.68	3.31	37.71	3.42	41.49	3.56
	64.4	18.33	2.76	22.11	2.90	25.90	3.04	29.68	3.17	34.22	3.34	37.25	3.45	41.03	3.59
	68.0	17.87	2.79	21.65	2.93	25.43	3.07	29.22	3.21	33.76	3.37	36.78	3.48	40.57	3.62
	70.0	17.61	2.80	21.40	2.94	25.18	3.08	28.96	3.22	33.50	3.39	36.53	3.50	40.31	3.64
	71.6	17.41	2.82	21.19	2.96	24.97	3.10	28.76	3.24	33.29	3.40	36.32	3.52	40.10	3.65
	75.2	16.94	2.85	20.73	2.99	24.51	3.13	28.29	3.27	32.83	3.43	35.86	3.55	39.64	3.69

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS12L + CDXS15L + CDXS15L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
CTXS12H + FTXS15L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS12H + FTXS15L + CDXS18L	60.8	19.07	2.68	22.91	2.81	26.75	2.95	30.59	3.09	35.20	3.25	38.27	3.36	42.11	3.50
	64.4	18.61	2.71	22.44	2.84	26.28	2.98	30.12	3.12	34.73	3.28	37.80	3.39	41.64	3.53
	68.0	18.14	2.74	21.98	2.87	25.81	3.01	29.65	3.15	34.26	3.31	37.33	3.42	41.17	3.56
	70.0	17.88	2.75	21.71	2.89	25.55	3.03	29.39	3.17	34.00	3.33	37.07	3.44	40.91	3.58
	71.6	17.67	2.77	21.51	2.90	25.35	3.04	29.18	3.18	33.79	3.34	36.86	3.45	40.70	3.59
	75.2	17.20	2.80	21.04	2.93	24.88	3.07	28.71	3.21	33.32	3.37	36.39	3.48	40.23	3.62
CTXS12H + CDXS15L + FTXS18L	60.8	19.07	2.66	22.91	2.80	26.75	2.93	30.59	3.07	35.20	3.23	38.27	3.34	42.11	3.48
	64.4	18.61	2.69	22.44	2.83	26.28	2.96	30.12	3.10	34.73	3.26	37.80	3.37	41.64	3.51
	68.0	18.14	2.72	21.98	2.86	25.81	2.99	29.65	3.13	34.26	3.29	37.33	3.40	41.17	3.54
	70.0	17.88	2.74	21.71	2.87	25.55	3.01	29.39	3.15	34.00	3.31	37.07	3.42	40.91	3.56
	71.6	17.67	2.75	21.51	2.89	25.35	3.02	29.18	3.16	33.79	3.32	36.86	3.43	40.70	3.57
	75.2	17.20	2.78	21.04	2.92	24.88	3.05	28.71	3.19	33.32	3.35	36.39	3.46	40.23	3.60
CTXS12H + CDXS15L + CDXS18L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80
FDXS12L + FTXS15L + FTXS18L	60.8	19.07	2.58	22.91	2.71	26.75	2.85	30.59	2.98	35.20	3.14	38.27	3.24	42.11	3.37
	64.4	18.61	2.61	22.44	2.74	26.28	2.87	30.12	3.01	34.73	3.17	37.80	3.27	41.64	3.40
	68.0	18.14	2.64	21.98	2.77	25.81	2.90	29.65	3.04	34.26	3.19	37.33	3.30	41.17	3.43
	70.0	17.88	2.65	21.71	2.79	25.55	2.92	29.39	3.05	34.00	3.21	37.07	3.32	40.91	3.45
	71.6	17.67	2.67	21.51	2.80	25.35	2.93	29.18	3.06	33.79	3.22	36.86	3.33	40.70	3.46
	75.2	17.20	2.70	21.04	2.83	24.88	2.96	28.71	3.09	33.32	3.25	36.39	3.36	40.23	3.49
FDXS12L + FTXS15L + CDXS18L	60.8	18.79	2.73	22.58	2.87	26.36	3.00	30.14	3.14	34.68	3.31	37.71	3.42	41.49	3.56
	64.4	18.33	2.76	22.11	2.90	25.90	3.04	29.68	3.17	34.22	3.34	37.25	3.45	41.03	3.59
	68.0	17.87	2.79	21.65	2.93	25.43	3.07	29.22	3.21	33.76	3.37	36.78	3.48	40.57	3.62
	70.0	17.61	2.80	21.40	2.94	25.18	3.08	28.96	3.22	33.50	3.39	36.53	3.50	40.31	3.64
	71.6	17.41	2.82	21.19	2.96	24.97	3.10	28.76	3.24	33.29	3.40	36.32	3.52	40.10	3.65
	75.2	16.94	2.85	20.73	2.99	24.51	3.13	28.29	3.27	32.83	3.43	35.86	3.55	39.64	3.69
FDXS12L + CDXS15L + FTXS18L	60.8	18.79	2.70	22.58	2.84	26.36	2.98	30.14	3.12	34.68	3.28	37.71	3.39	41.49	3.53
	64.4	18.33	2.73	22.11	2.87	25.90	3.01	29.68	3.15	34.22	3.31	37.25	3.42	41.03	3.56
	68.0	17.87	2.76	21.65	2.90	25.43	3.04	29.22	3.18	33.76	3.34	36.78	3.45	40.57	3.59
	70.0	17.61	2.78	21.40	2.92	25.18	3.06	28.96	3.19	33.50	3.36	36.53	3.47	40.31	3.61
	71.6	17.41	2.79	21.19	2.93	24.97	3.07	28.76	3.21	33.29	3.37	36.32	3.48	40.10	3.62
	75.2	16.94	2.82	20.73	2.96	24.51	3.10	28.29	3.24	32.83	3.40	35.86	3.51	39.64	3.65



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS12L + CDXS15L + CDXS18L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
CTXS07L + CTXS07L + CTXS07L + CTXS07L	60.8	18.63	2.39	22.38	2.51	26.12	2.63	29.87	2.75	34.37	2.90	37.37	3.00	41.12	3.12
	64.4	18.17	2.41	21.92	2.54	25.67	2.66	29.41	2.78	33.91	2.93	36.91	3.03	40.66	3.15
	68.0	17.71	2.44	21.46	2.56	25.21	2.69	28.96	2.81	33.45	2.96	36.45	3.05	40.20	3.18
	70.0	17.45	2.46	21.20	2.58	24.95	2.70	28.70	2.82	33.20	2.97	36.20	3.07	39.95	3.19
	71.6	17.25	2.47	21.00	2.59	24.75	2.71	28.50	2.84	33.00	2.98	36.00	3.08	39.74	3.20
	75.2	16.79	2.49	20.54	2.62	24.29	2.74	28.04	2.86	32.54	3.01	35.54	3.11	39.29	3.23
CTXS07L + CTXS07L + CTXS07L + CTXS09H	60.8	18.79	2.39	22.58	2.51	26.36	2.63	30.14	2.75	34.68	2.90	37.71	3.00	41.49	3.12
	64.4	18.33	2.41	22.11	2.54	25.90	2.66	29.68	2.78	34.22	2.93	37.25	3.03	41.03	3.15
	68.0	17.87	2.44	21.65	2.56	25.43	2.69	29.22	2.81	33.76	2.96	36.78	3.05	40.57	3.18
	70.0	17.61	2.46	21.40	2.58	25.18	2.70	28.96	2.82	33.50	2.97	36.53	3.07	40.31	3.19
	71.6	17.41	2.47	21.19	2.59	24.97	2.71	28.76	2.84	33.29	2.98	36.32	3.08	40.10	3.20
	75.2	16.94	2.49	20.73	2.62	24.51	2.74	28.29	2.86	32.83	3.01	35.86	3.11	39.64	3.23
CTXS07L + CTXS07L + CTXS07L + FDXS09L	60.8	18.57	2.40	22.31	2.53	26.05	2.65	29.78	2.77	34.27	2.92	37.26	3.02	41.00	3.14
	64.4	18.11	2.43	21.85	2.55	25.59	2.68	29.33	2.80	33.81	2.95	36.80	3.05	40.54	3.17
	68.0	17.66	2.46	21.39	2.58	25.13	2.70	28.87	2.83	33.35	2.98	36.34	3.07	40.08	3.20
	70.0	17.40	2.47	21.14	2.60	24.88	2.72	28.61	2.84	33.10	2.99	36.09	3.09	39.83	3.21
	71.6	17.20	2.48	20.94	2.61	24.67	2.73	28.41	2.85	32.90	3.00	35.89	3.10	39.62	3.22
	75.2	16.74	2.51	20.48	2.63	24.22	2.76	27.95	2.88	32.44	3.03	35.43	3.13	39.17	3.25
CTXS07L + CTXS07L + CTXS07L + CTXS12H	60.8	19.07	2.47	22.91	2.59	26.75	2.72	30.59	2.85	35.20	3.00	38.27	3.10	42.11	3.23
	64.4	18.61	2.50	22.44	2.62	26.28	2.75	30.12	2.88	34.73	3.03	37.80	3.13	41.64	3.25
	68.0	18.14	2.52	21.98	2.65	25.81	2.78	29.65	2.90	34.26	3.05	37.33	3.16	41.17	3.28
	70.0	17.88	2.54	21.71	2.67	25.55	2.79	29.39	2.92	34.00	3.07	37.07	3.17	40.91	3.30
	71.6	17.67	2.55	21.51	2.68	25.35	2.80	29.18	2.93	33.79	3.08	36.86	3.18	40.70	3.31
	75.2	17.20	2.58	21.04	2.71	24.88	2.83	28.71	2.96	33.32	3.11	36.39	3.21	40.23	3.34
CTXS07L + CTXS07L + CTXS07L + FDXS12L	60.8	18.85	2.48	22.64	2.61	26.44	2.74	30.23	2.87	34.79	3.02	37.82	3.12	41.61	3.25
	64.4	18.39	2.51	22.18	2.64	25.97	2.77	29.77	2.89	34.32	3.05	37.36	3.15	41.15	3.28
	68.0	17.92	2.54	21.72	2.67	25.51	2.79	29.30	2.92	33.86	3.07	36.89	3.18	40.69	3.30
	70.0	17.66	2.56	21.46	2.68	25.25	2.81	29.05	2.94	33.60	3.09	36.64	3.19	40.43	3.32
	71.6	17.46	2.57	21.25	2.70	25.05	2.82	28.84	2.95	33.39	3.10	36.43	3.20	40.22	3.33
	75.2	16.99	2.60	20.79	2.72	24.58	2.85	28.38	2.98	32.93	3.13	35.97	3.23	39.76	3.36
CTXS07L + CTXS07L + CTXS07L + FTXS15L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS07L + CTXS07L + CDXS15L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + CTXS07L + FTXS18L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47
CTXS07L + CTXS07L + CTXS07L + CDXS18L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS07L + CTXS09H + CTXS09H	60.8	18.96	2.43	22.78	2.55	26.60	2.68	30.41	2.80	34.99	2.95	38.05	3.05	41.86	3.17
	64.4	18.50	2.46	22.31	2.58	26.13	2.70	29.95	2.83	34.53	2.98	37.58	3.08	41.40	3.20
	68.0	18.03	2.48	21.85	2.61	25.66	2.73	29.48	2.86	34.06	3.00	37.11	3.10	40.93	3.23
	70.0	17.77	2.50	21.59	2.62	25.40	2.75	29.22	2.87	33.80	3.02	36.85	3.12	40.67	3.24
	71.6	17.56	2.51	21.38	2.63	25.20	2.76	29.01	2.88	33.59	3.03	36.65	3.13	40.46	3.26
	75.2	17.10	2.54	20.91	2.66	24.73	2.79	28.55	2.91	33.13	3.06	36.18	3.16	40.00	3.28
CTXS07L + CTXS07L + CTXS09H + FDXS09L	60.8	18.74	2.44	22.51	2.57	26.28	2.69	30.05	2.82	34.58	2.97	37.60	3.07	41.37	3.20
	64.4	18.28	2.47	22.05	2.60	25.82	2.72	29.59	2.85	34.12	3.00	37.13	3.10	40.91	3.22
	68.0	17.82	2.50	21.59	2.62	25.36	2.75	29.13	2.87	33.66	3.02	36.67	3.12	40.44	3.25
	70.0	17.56	2.51	21.33	2.64	25.10	2.76	28.87	2.89	33.40	3.04	36.42	3.14	40.19	3.27
	71.6	17.35	2.53	21.13	2.65	24.90	2.78	28.67	2.90	33.20	3.05	36.21	3.15	39.98	3.28
	75.2	16.89	2.55	20.67	2.68	24.44	2.80	28.21	2.93	32.73	3.08	35.75	3.18	39.52	3.30
CTXS07L + CTXS07L + FDXS09L + FDXS09L	60.8	18.51	2.52	22.24	2.65	25.97	2.77	29.69	2.90	34.16	3.06	37.15	3.16	40.87	3.29
	64.4	18.06	2.54	21.78	2.67	25.51	2.80	29.24	2.93	33.71	3.09	36.69	3.19	40.42	3.32
	68.0	17.60	2.57	21.33	2.70	25.06	2.83	28.78	2.96	33.25	3.11	36.23	3.22	39.96	3.35
	70.0	17.35	2.59	21.08	2.72	24.80	2.85	28.53	2.98	33.00	3.13	35.98	3.23	39.71	3.36
	71.6	17.15	2.60	20.87	2.73	24.60	2.86	28.33	2.99	32.80	3.14	35.78	3.25	39.50	3.37
	75.2	16.69	2.63	20.42	2.76	24.14	2.89	27.87	3.02	32.34	3.17	35.32	3.27	39.05	3.40
CTXS07L + CTXS07L + CTXS09H + CTXS12H	60.8	19.24	2.52	23.12	2.65	26.99	2.77	30.86	2.90	35.51	3.06	38.61	3.16	42.48	3.29
	64.4	18.77	2.54	22.64	2.67	26.52	2.80	30.39	2.93	35.04	3.09	38.14	3.19	42.01	3.32
	68.0	18.30	2.57	22.17	2.70	26.04	2.83	29.92	2.96	34.56	3.11	37.66	3.22	41.53	3.35
	70.0	18.03	2.59	21.91	2.72	25.78	2.85	29.65	2.98	34.30	3.13	37.40	3.23	41.27	3.36
	71.6	17.82	2.60	21.70	2.73	25.57	2.86	29.44	2.99	34.09	3.14	37.19	3.25	41.06	3.37
	75.2	17.35	2.63	21.22	2.76	25.10	2.89	28.97	3.02	33.62	3.17	36.71	3.27	40.59	3.40
CTXS07L + CTXS07L + CTXS09H + FDXS12L	60.8	19.02	2.53	22.85	2.66	26.67	2.79	30.50	2.92	35.10	3.08	38.16	3.18	41.99	3.31
	64.4	18.55	2.56	22.38	2.69	26.21	2.82	30.03	2.95	34.63	3.11	37.69	3.21	41.52	3.34
	68.0	18.08	2.59	21.91	2.72	25.74	2.85	29.57	2.98	34.16	3.13	37.22	3.24	41.05	3.37
	70.0	17.82	2.61	21.65	2.73	25.48	2.86	29.31	2.99	33.90	3.15	36.96	3.25	40.79	3.38
	71.6	17.61	2.62	21.44	2.75	25.27	2.88	29.10	3.01	33.69	3.16	36.75	3.27	40.58	3.40
	75.2	17.15	2.65	20.97	2.78	24.80	2.91	28.63	3.04	33.22	3.19	36.29	3.29	40.11	3.42
CTXS07L + CTXS07L + FDXS09L + CTXS12H	60.8	19.02	2.53	22.85	2.66	26.67	2.79	30.50	2.92	35.10	3.08	38.16	3.18	41.99	3.31
	64.4	18.55	2.56	22.38	2.69	26.21	2.82	30.03	2.95	34.63	3.11	37.69	3.21	41.52	3.34
	68.0	18.08	2.59	21.91	2.72	25.74	2.85	29.57	2.98	34.16	3.13	37.22	3.24	41.05	3.37
	70.0	17.82	2.61	21.65	2.73	25.48	2.86	29.31	2.99	33.90	3.15	36.96	3.25	40.79	3.38
	71.6	17.61	2.62	21.44	2.75	25.27	2.88	29.10	3.01	33.69	3.16	36.75	3.27	40.58	3.40
	75.2	17.15	2.65	20.97	2.78	24.80	2.91	28.63	3.04	33.22	3.19	36.29	3.29	40.11	3.42

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FDXS09L + FDXS12L	60.8	18.79	2.56	22.58	2.70	26.36	2.83	30.14	2.96	34.68	3.12	37.71	3.22	41.49	3.35
	64.4	18.33	2.59	22.11	2.72	25.90	2.86	29.68	2.99	34.22	3.15	37.25	3.25	41.03	3.38
	68.0	17.87	2.62	21.65	2.75	25.43	2.89	29.22	3.02	33.76	3.17	36.78	3.28	40.57	3.41
	70.0	17.61	2.64	21.40	2.77	25.18	2.90	28.96	3.03	33.50	3.19	36.53	3.30	40.31	3.43
	71.6	17.41	2.65	21.19	2.78	24.97	2.91	28.76	3.05	33.29	3.20	36.32	3.31	40.10	3.44
	75.2	16.94	2.68	20.73	2.81	24.51	2.94	28.29	3.07	32.83	3.23	35.86	3.34	39.64	3.47
CTXS07L + CTXS07L + CTXS09H + FTXS15L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS07L + CTXS09H + CDXS15L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS07L + FDXS09L + FTXS15L	60.8	19.13	2.54	22.98	2.67	26.83	2.80	30.68	2.93	35.30	3.09	38.38	3.19	42.23	3.32
	64.4	18.66	2.57	22.51	2.70	26.36	2.83	30.21	2.96	34.83	3.12	37.91	3.22	41.76	3.35
	68.0	18.19	2.60	22.04	2.73	25.89	2.86	29.74	2.99	34.36	3.14	37.44	3.25	41.29	3.38
	70.0	17.93	2.61	21.78	2.74	25.63	2.87	29.48	3.00	34.10	3.16	37.18	3.26	41.03	3.39
	71.6	17.72	2.63	21.57	2.76	25.42	2.89	29.27	3.02	33.89	3.17	36.97	3.28	40.82	3.41
	75.2	17.25	2.65	21.10	2.78	24.95	2.91	28.80	3.04	33.42	3.20	36.50	3.31	40.35	3.44
CTXS07L + CTXS07L + FDXS09L + CDXS15L	60.8	18.91	2.62	22.71	2.76	26.52	2.89	30.32	3.02	34.89	3.18	37.93	3.29	41.74	3.43
	64.4	18.44	2.65	22.25	2.78	26.05	2.92	29.86	3.05	34.42	3.21	37.47	3.32	41.27	3.46
	68.0	17.98	2.68	21.78	2.81	25.59	2.95	29.39	3.08	33.96	3.24	37.00	3.35	40.81	3.49
	70.0	17.72	2.70	21.52	2.83	25.33	2.96	29.13	3.10	33.70	3.26	36.74	3.37	40.55	3.50
	71.6	17.51	2.71	21.32	2.84	25.12	2.98	28.93	3.11	33.49	3.27	36.54	3.38	40.34	3.51
	75.2	17.05	2.74	20.85	2.87	24.66	3.01	28.46	3.14	33.03	3.30	36.07	3.41	39.88	3.54
CTXS07L + CTXS07L + CTXS09H + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS07L + CTXS07L + CTXS09H + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS07L + FDXS09L + FTXS18L	60.8	19.19	2.58	23.05	2.71	26.91	2.85	30.77	2.98	35.41	3.14	38.50	3.24	42.36	3.37
	64.4	18.71	2.61	22.58	2.74	26.44	2.87	30.30	3.01	34.93	3.17	38.02	3.27	41.89	3.40
	68.0	18.24	2.64	22.10	2.77	25.97	2.90	29.83	3.04	34.46	3.19	37.55	3.30	41.41	3.43
	70.0	17.98	2.65	21.84	2.79	25.70	2.92	29.57	3.05	34.20	3.21	37.29	3.32	41.15	3.45
	71.6	17.77	2.67	21.63	2.80	25.49	2.93	29.36	3.06	33.99	3.22	37.08	3.33	40.94	3.46
	75.2	17.30	2.70	21.16	2.83	25.02	2.96	28.88	3.09	33.52	3.25	36.61	3.36	40.47	3.49

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FDXS09L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + CTXS07L + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS07L + CTXS12H + FDXS12L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS07L + FDXS12L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + CTXS07L + CTXS12H + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS07L + CTXS07L + CTXS12H + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS07L + FDXS12L + FTXS15L	60.8	19.19	2.58	23.05	2.71	26.91	2.85	30.77	2.98	35.41	3.14	38.50	3.24	42.36	3.37
	64.4	18.71	2.61	22.58	2.74	26.44	2.87	30.30	3.01	34.93	3.17	38.02	3.27	41.89	3.40
	68.0	18.24	2.64	22.10	2.77	25.97	2.90	29.83	3.04	34.46	3.19	37.55	3.30	41.41	3.43
	70.0	17.98	2.65	21.84	2.79	25.70	2.92	29.57	3.05	34.20	3.21	37.29	3.32	41.15	3.45
	71.6	17.77	2.67	21.63	2.80	25.49	2.93	29.36	3.06	33.99	3.22	37.08	3.33	40.94	3.46
	75.2	17.30	2.70	21.16	2.83	25.02	2.96	28.88	3.09	33.52	3.25	36.61	3.36	40.47	3.49
CTXS07L + CTXS07L + FDXS12L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + CTXS12H + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS07L + CTXS07L + CTXS12H + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS07L + FDXS12L + FTXS18L	60.8	19.19	2.58	23.05	2.71	26.91	2.85	30.77	2.98	35.41	3.14	38.50	3.24	42.36	3.37
	64.4	18.71	2.61	22.58	2.74	26.44	2.87	30.30	3.01	34.93	3.17	38.02	3.27	41.89	3.40
	68.0	18.24	2.64	22.10	2.77	25.97	2.90	29.83	3.04	34.46	3.19	37.55	3.30	41.41	3.43
	70.0	17.98	2.65	21.84	2.79	25.70	2.92	29.57	3.05	34.20	3.21	37.29	3.32	41.15	3.45
	71.6	17.77	2.67	21.63	2.80	25.49	2.93	29.36	3.06	33.99	3.22	37.08	3.33	40.94	3.46
	75.2	17.30	2.70	21.16	2.83	25.02	2.96	28.88	3.09	33.52	3.25	36.61	3.36	40.47	3.49
CTXS07L + CTXS07L + FDXS12L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + CTXS09H + CTXS09H + CTXS09H	60.8	19.19	2.52	23.05	2.65	26.91	2.77	30.77	2.90	35.41	3.06	38.50	3.16	42.36	3.29
	64.4	18.71	2.54	22.58	2.67	26.44	2.80	30.30	2.93	34.93	3.09	38.02	3.19	41.89	3.32
	68.0	18.24	2.57	22.10	2.70	25.97	2.83	29.83	2.96	34.46	3.11	37.55	3.22	41.41	3.35
	70.0	17.98	2.59	21.84	2.72	25.70	2.85	29.57	2.98	34.20	3.13	37.29	3.23	41.15	3.36
	71.6	17.77	2.60	21.63	2.73	25.49	2.86	29.36	2.99	33.99	3.14	37.08	3.25	40.94	3.37
	75.2	17.30	2.63	21.16	2.76	25.02	2.89	28.88	3.02	33.52	3.17	36.61	3.27	40.47	3.40
CTXS07L + CTXS09H + CTXS09H + FDXS09L	60.8	18.96	2.53	22.78	2.66	26.60	2.79	30.41	2.92	34.99	3.08	38.05	3.18	41.86	3.31
	64.4	18.50	2.56	22.31	2.69	26.13	2.82	29.95	2.95	34.53	3.11	37.58	3.21	41.40	3.34
	68.0	18.03	2.59	21.85	2.72	25.66	2.85	29.48	2.98	34.06	3.13	37.11	3.24	40.93	3.37
	70.0	17.77	2.61	21.59	2.73	25.40	2.86	29.22	2.99	33.80	3.15	36.85	3.25	40.67	3.38
	71.6	17.56	2.62	21.38	2.75	25.20	2.88	29.01	3.01	33.59	3.16	36.65	3.27	40.46	3.40
	75.2	17.10	2.65	20.91	2.78	24.73	2.91	28.55	3.04	33.13	3.19	36.18	3.29	40.00	3.42
CTXS07L + CTXS09H + FDXS09L + FDXS09L	60.8	18.74	2.56	22.51	2.70	26.28	2.83	30.05	2.96	34.58	3.12	37.60	3.22	41.37	3.35
	64.4	18.28	2.59	22.05	2.72	25.82	2.86	29.59	2.99	34.12	3.15	37.13	3.25	40.91	3.38
	68.0	17.82	2.62	21.59	2.75	25.36	2.89	29.13	3.02	33.66	3.17	36.67	3.28	40.44	3.41
	70.0	17.56	2.64	21.33	2.77	25.10	2.90	28.87	3.03	33.40	3.19	36.42	3.30	40.19	3.43
	71.6	17.35	2.65	21.13	2.78	24.90	2.91	28.67	3.05	33.20	3.20	36.21	3.31	39.98	3.44
	75.2	16.89	2.68	20.67	2.81	24.44	2.94	28.21	3.07	32.73	3.23	35.75	3.34	39.52	3.47
CTXS07L + FDXS09L + FDXS09L + FDXS09L	60.8	18.46	2.61	22.17	2.75	25.89	2.88	29.60	3.01	34.06	3.18	37.03	3.28	40.75	3.42
	64.4	18.00	2.64	21.72	2.78	25.43	2.91	29.15	3.04	33.61	3.20	36.58	3.31	40.29	3.45
	68.0	17.55	2.67	21.26	2.81	24.98	2.94	28.69	3.07	33.15	3.23	36.12	3.34	39.84	3.47
	70.0	17.30	2.69	21.01	2.82	24.73	2.96	28.44	3.09	32.90	3.25	35.87	3.36	39.59	3.49
	71.6	17.10	2.70	20.81	2.83	24.53	2.97	28.24	3.10	32.70	3.26	35.67	3.37	39.39	3.50
	75.2	16.64	2.73	20.36	2.86	24.07	3.00	27.79	3.13	32.24	3.29	35.22	3.40	38.93	3.53

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS09H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS09H + CTXS09H + FDXS12L	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS07L + CTXS09H + FDXS09L + CTXS12H	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS07L + CTXS09H + FDXS09L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + FDXS09L + CTXS12H	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + FDXS09L + FDXS12L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59
CTXS07L + CTXS09H + CTXS09H + FTXS15L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS09H + CTXS09H + CDXS15L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + FDXS09L + FTXS15L	60.8	19.13	2.54	22.98	2.67	26.83	2.80	30.68	2.93	35.30	3.09	38.38	3.19	42.23	3.32
	64.4	18.66	2.57	22.51	2.70	26.36	2.83	30.21	2.96	34.83	3.12	37.91	3.22	41.76	3.35
	68.0	18.19	2.60	22.04	2.73	25.89	2.86	29.74	2.99	34.36	3.14	37.44	3.25	41.29	3.38
	70.0	17.93	2.61	21.78	2.74	25.63	2.87	29.48	3.00	34.10	3.16	37.18	3.26	41.03	3.39
	71.6	17.72	2.63	21.57	2.76	25.42	2.89	29.27	3.02	33.89	3.17	36.97	3.28	40.82	3.41
	75.2	17.25	2.65	21.10	2.78	24.95	2.91	28.80	3.04	33.42	3.20	36.50	3.31	40.35	3.44
CTXS07L + CTXS09H + FDXS09L + CDXS15L	60.8	18.91	2.57	22.71	2.70	26.52	2.84	30.32	2.97	34.89	3.13	37.93	3.23	41.74	3.36
	64.4	18.44	2.60	22.25	2.73	26.05	2.87	29.86	3.00	34.42	3.16	37.47	3.26	41.27	3.39
	68.0	17.98	2.63	21.78	2.76	25.59	2.89	29.39	3.03	33.96	3.18	37.00	3.29	40.81	3.42
	70.0	17.72	2.65	21.52	2.78	25.33	2.91	29.13	3.04	33.70	3.20	36.74	3.31	40.55	3.44
	71.6	17.51	2.66	21.32	2.79	25.12	2.92	28.93	3.05	33.49	3.21	36.54	3.32	40.34	3.45
	75.2	17.05	2.69	20.85	2.82	24.66	2.95	28.46	3.08	33.03	3.24	36.07	3.35	39.88	3.48
CTXS07L + FDXS09L + FDXS09L + FTXS15L	60.8	18.91	2.50	22.71	2.63	26.52	2.76	30.32	2.88	34.89	3.04	37.93	3.14	41.74	3.27
	64.4	18.44	2.53	22.25	2.66	26.05	2.78	29.86	2.91	34.42	3.07	37.47	3.17	41.27	3.30
	68.0	17.98	2.56	21.78	2.68	25.59	2.81	29.39	2.94	33.96	3.09	37.00	3.20	40.81	3.32
	70.0	17.72	2.57	21.52	2.70	25.33	2.83	29.13	2.96	33.70	3.11	36.74	3.21	40.55	3.34
	71.6	17.51	2.58	21.32	2.71	25.12	2.84	28.93	2.97	33.49	3.12	36.54	3.22	40.34	3.35
	75.2	17.05	2.61	20.85	2.74	24.66	2.87	28.46	3.00	33.03	3.15	36.07	3.25	39.88	3.38
CTXS07L + FDXS09L + FDXS09L + CDXS15L	60.8	18.63	2.60	22.38	2.73	26.12	2.86	29.87	3.00	34.37	3.16	37.37	3.26	41.12	3.40
	64.4	18.17	2.63	21.92	2.76	25.67	2.89	29.41	3.03	33.91	3.18	36.91	3.29	40.66	3.42
	68.0	17.71	2.66	21.46	2.79	25.21	2.92	28.96	3.05	33.45	3.21	36.45	3.32	40.20	3.45
	70.0	17.45	2.67	21.20	2.80	24.95	2.94	28.70	3.07	33.20	3.23	36.20	3.34	39.95	3.47
	71.6	17.25	2.68	21.00	2.82	24.75	2.95	28.50	3.08	33.00	3.24	36.00	3.35	39.74	3.48
	75.2	16.79	2.71	20.54	2.85	24.29	2.98	28.04	3.11	32.54	3.27	35.54	3.38	39.29	3.51
CTXS07L + CTXS09H + CTXS09H + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS07L + CTXS09H + CTXS09H + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS09H + FDXS09L + FTXS18L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS07L + CTXS09H + FDXS09L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FDXS09L + FTXS18L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS07L + FDXS09L + FDXS09L + CDXS18L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
CTXS07L + CTXS09H + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS09H + CTXS12H + FDXS12L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS09H + FDXS12L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + CTXS12H + CTXS12H	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + FDXS09L + CTXS12H + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + FDXS12L + FDXS12L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS12H + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS07L + CTXS09H + CTXS12H + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS09H + FDXS12L + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS07L + CTXS09H + FDXS12L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + FDXS09L + CTXS12H + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS07L + FDXS09L + CTXS12H + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + FDXS09L + FDXS12L + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS07L + FDXS09L + FDXS12L + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS12H + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS12H + CTXS12H + FDXS12L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS12H + FDXS12L + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
CTXS07L + FDXS12L + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
CTXS09H + CTXS09H + CTXS09H + CTXS09H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + CTXS09H + CTXS09H + FDXS09L	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS09H + CTXS09H + FDXS09L + FDXS09L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS09H + FDXS09L + FDXS09L + FDXS09L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS09L + FDXS09L	60.8	18.40	2.72	22.11	2.86	25.81	3.00	29.51	3.14	33.96	3.30	36.92	3.41	40.62	3.55
	64.4	17.95	2.75	21.65	2.89	25.36	3.03	29.06	3.17	33.50	3.33	36.47	3.44	40.17	3.58
	68.0	17.50	2.78	21.20	2.92	24.90	3.06	28.61	3.20	33.05	3.36	36.01	3.47	39.72	3.61
	70.0	17.24	2.80	20.95	2.93	24.65	3.07	28.36	3.21	32.80	3.38	35.76	3.49	39.47	3.63
	71.6	17.04	2.81	20.75	2.95	24.45	3.09	28.15	3.23	32.60	3.39	35.56	3.50	39.27	3.64
	75.2	16.59	2.84	20.29	2.98	24.00	3.12	27.70	3.26	32.15	3.42	35.11	3.54	38.81	3.67
CTXS09H + CTXS09H + CTXS09H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + CTXS09H + CTXS09H + FDXS12L	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS09H + CTXS09H + FDXS09L + CTXS12H	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS09H + CTXS09H + FDXS09L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS09H + FDXS09L + FDXS09L + CTXS12H	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS09H + FDXS09L + FDXS09L + FDXS12L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59
FDXS09L + FDXS09L + FDXS09L + CTXS12H	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS09L + FDXS12L	60.8	18.40	2.72	22.11	2.86	25.81	3.00	29.51	3.14	33.96	3.30	36.92	3.41	40.62	3.55
	64.4	17.95	2.75	21.65	2.89	25.36	3.03	29.06	3.17	33.50	3.33	36.47	3.44	40.17	3.58
	68.0	17.50	2.78	21.20	2.92	24.90	3.06	28.61	3.20	33.05	3.36	36.01	3.47	39.72	3.61
	70.0	17.24	2.80	20.95	2.93	24.65	3.07	28.36	3.21	32.80	3.38	35.76	3.49	39.47	3.63
	71.6	17.04	2.81	20.75	2.95	24.45	3.09	28.15	3.23	32.60	3.39	35.56	3.50	39.27	3.64
	75.2	16.59	2.84	20.29	2.98	24.00	3.12	27.70	3.26	32.15	3.42	35.11	3.54	38.81	3.67
CTXS09H + CTXS09H + CTXS09H + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS09H + CTXS09H + CTXS09H + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS09H + CTXS09H + FDXS09L + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + CTXS09H + FDXS09L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS09H + FDXS09L + FDXS09L + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS09H + FDXS09L + FDXS09L + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + FDXS09L + FTXS15L	60.8	18.68	2.52	22.44	2.65	26.20	2.77	29.96	2.90	34.47	3.06	37.48	3.16	41.24	3.29
	64.4	18.22	2.54	21.98	2.67	25.74	2.80	29.50	2.93	34.02	3.09	37.02	3.19	40.78	3.32
	68.0	17.76	2.57	21.52	2.70	25.28	2.83	29.04	2.96	33.56	3.11	36.56	3.22	40.32	3.35
	70.0	17.51	2.59	21.27	2.72	25.03	2.85	28.79	2.98	33.30	3.13	36.31	3.23	40.07	3.36
	71.6	17.30	2.60	21.06	2.73	24.82	2.86	28.58	2.99	33.10	3.14	36.10	3.25	39.86	3.37
	75.2	16.84	2.63	20.60	2.76	24.36	2.89	28.12	3.02	32.64	3.17	35.64	3.27	39.40	3.40

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS09L + CDXS15L	60.8	18.46	2.64	22.17	2.77	25.89	2.91	29.60	3.04	34.06	3.20	37.03	3.31	40.75	3.45
	64.4	18.00	2.67	21.72	2.80	25.43	2.94	29.15	3.07	33.61	3.23	36.58	3.34	40.29	3.48
	68.0	17.55	2.70	21.26	2.83	24.98	2.97	28.69	3.10	33.15	3.26	36.12	3.37	39.84	3.51
	70.0	17.30	2.71	21.01	2.85	24.73	2.98	28.44	3.12	32.90	3.28	35.87	3.39	39.59	3.52
	71.6	17.10	2.73	20.81	2.86	24.53	3.00	28.24	3.13	32.70	3.29	35.67	3.40	39.39	3.54
	75.2	16.64	2.76	20.36	2.89	24.07	3.03	27.79	3.16	32.24	3.32	35.22	3.43	38.93	3.57
CTXS09H + CTXS09H + CTXS09H + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS09H + CTXS09H + CTXS09H + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS09H + CTXS09H + FDXS09L + FTXS18L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + CTXS09H + FDXS09L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS09H + FDXS09L + FDXS09L + FTXS18L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS09H + FDXS09L + FDXS09L + CDXS18L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + FDXS09L + FTXS18L	60.8	18.68	2.51	22.44	2.64	26.20	2.77	29.96	2.89	34.47	3.05	37.48	3.15	41.24	3.28
	64.4	18.22	2.54	21.98	2.67	25.74	2.79	29.50	2.92	34.02	3.08	37.02	3.18	40.78	3.31
	68.0	17.76	2.56	21.52	2.69	25.28	2.82	29.04	2.95	33.56	3.10	36.56	3.21	40.32	3.34
	70.0	17.51	2.58	21.27	2.71	25.03	2.84	28.79	2.97	33.30	3.12	36.31	3.22	40.07	3.35
	71.6	17.30	2.59	21.06	2.72	24.82	2.85	28.58	2.98	33.10	3.13	36.10	3.24	39.86	3.36
	75.2	16.84	2.62	20.60	2.75	24.36	2.88	28.12	3.01	32.64	3.16	35.64	3.26	39.40	3.39

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS09L + CDXS18L	60.8	18.46	2.64	22.17	2.77	25.89	2.91	29.60	3.04	34.06	3.20	37.03	3.31	40.75	3.45
	64.4	18.00	2.67	21.72	2.80	25.43	2.94	29.15	3.07	33.61	3.23	36.58	3.34	40.29	3.48
	68.0	17.55	2.70	21.26	2.83	24.98	2.97	28.69	3.10	33.15	3.26	36.12	3.37	39.84	3.51
	70.0	17.30	2.71	21.01	2.85	24.73	2.98	28.44	3.12	32.90	3.28	35.87	3.39	39.59	3.52
	71.6	17.10	2.73	20.81	2.86	24.53	3.00	28.24	3.13	32.70	3.29	35.67	3.40	39.39	3.54
	75.2	16.64	2.76	20.36	2.89	24.07	3.03	27.79	3.16	32.24	3.32	35.22	3.43	38.93	3.57
CTXS09H + CTXS09H + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + CTXS09H + CTXS12H + FDXS12L	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48
CTXS09H + CTXS09H + FDXS12L + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
CTXS09H + FDXS09L + CTXS12H + CTXS12H	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48
CTXS09H + FDXS09L + CTXS12H + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
CTXS09H + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + FDXS09L + CTXS12H + CTXS12H	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + CTXS12H + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + FDXS09L + FDXS12L + FDXS12L	60.8	18.46	2.72	22.17	2.86	25.89	3.00	29.60	3.14	34.06	3.30	37.03	3.41	40.75	3.55
	64.4	18.00	2.75	21.72	2.89	25.43	3.03	29.15	3.17	33.61	3.33	36.58	3.44	40.29	3.58
	68.0	17.55	2.78	21.26	2.92	24.98	3.06	28.69	3.20	33.15	3.36	36.12	3.47	39.84	3.61
	70.0	17.30	2.80	21.01	2.93	24.73	3.07	28.44	3.21	32.90	3.38	35.87	3.49	39.59	3.63
	71.6	17.10	2.81	20.81	2.95	24.53	3.09	28.24	3.23	32.70	3.39	35.67	3.50	39.39	3.64
	75.2	16.64	2.84	20.36	2.98	24.07	3.12	27.79	3.26	32.24	3.42	35.22	3.54	38.93	3.67
CTXS09H + CTXS09H + CTXS12H + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS09H + CTXS09H + CTXS12H + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS09H + CTXS09H + FDXS12L + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + CTXS09H + FDXS12L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS09H + FDXS09L + CTXS12H + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + FDXS09L + CTXS12H + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + FDXS12L + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS09H + FDXS09L + FDXS12L + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + CTXS12H + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
FDXS09L + FDXS09L + CTXS12H + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + FDXS12L + FTXS15L	60.8	18.68	2.52	22.44	2.65	26.20	2.77	29.96	2.90	34.47	3.06	37.48	3.16	41.24	3.29
	64.4	18.22	2.54	21.98	2.67	25.74	2.80	29.50	2.93	34.02	3.09	37.02	3.19	40.78	3.32
	68.0	17.76	2.57	21.52	2.70	25.28	2.83	29.04	2.96	33.56	3.11	36.56	3.22	40.32	3.35
	70.0	17.51	2.59	21.27	2.72	25.03	2.85	28.79	2.98	33.30	3.13	36.31	3.23	40.07	3.36
	71.6	17.30	2.60	21.06	2.73	24.82	2.86	28.58	2.99	33.10	3.14	36.10	3.25	39.86	3.37
	75.2	16.84	2.63	20.60	2.76	24.36	2.89	28.12	3.02	32.64	3.17	35.64	3.27	39.40	3.40
FDXS09L + FDXS09L + FDXS12L + CDXS15L	60.8	18.46	2.64	22.17	2.77	25.89	2.91	29.60	3.04	34.06	3.20	37.03	3.31	40.75	3.45
	64.4	18.00	2.67	21.72	2.80	25.43	2.94	29.15	3.07	33.61	3.23	36.58	3.34	40.29	3.48
	68.0	17.55	2.70	21.26	2.83	24.98	2.97	28.69	3.10	33.15	3.26	36.12	3.37	39.84	3.51
	70.0	17.30	2.71	21.01	2.85	24.73	2.98	28.44	3.12	32.90	3.28	35.87	3.39	39.59	3.52
	71.6	17.10	2.73	20.81	2.86	24.53	3.00	28.24	3.13	32.70	3.29	35.67	3.40	39.39	3.54
	75.2	16.64	2.76	20.36	2.89	24.07	3.03	27.79	3.16	32.24	3.32	35.22	3.43	38.93	3.57
CTXS09H + CTXS12H + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + CTXS12H + CTXS12H + FDXS12L	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS12H + FDXS12L + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
CTXS09H + FDXS12L + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + CTXS12H + CTXS12H + CTXS12H	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48
FDXS09L + CTXS12H + CTXS12H + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
FDXS09L + CTXS12H + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + FDXS12L + FDXS12L + FDXS12L	60.8	18.46	2.72	22.17	2.86	25.89	3.00	29.60	3.14	34.06	3.30	37.03	3.41	40.75	3.55
	64.4	18.00	2.75	21.72	2.89	25.43	3.03	29.15	3.17	33.61	3.33	36.58	3.44	40.29	3.58
	68.0	17.55	2.78	21.26	2.92	24.98	3.06	28.69	3.20	33.15	3.36	36.12	3.47	39.84	3.61
	70.0	17.30	2.80	21.01	2.93	24.73	3.07	28.44	3.21	32.90	3.38	35.87	3.49	39.59	3.63
	71.6	17.10	2.81	20.81	2.95	24.53	3.09	28.24	3.23	32.70	3.39	35.67	3.50	39.39	3.64
	75.2	16.64	2.84	20.36	2.98	24.07	3.12	27.79	3.26	32.24	3.42	35.22	3.54	38.93	3.67

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

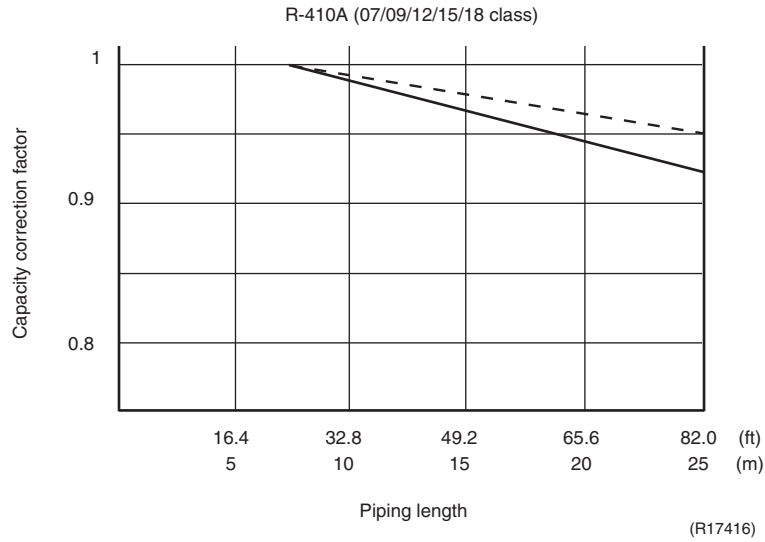
C: 3D078924 ~ 3D078929  
C: 3D078930 ~ 3D078939  
C: 3D078940 ~ 3D078949  
C: 3D078950 ~ 3D078951

### 7.4 Capacity Correction Factor by the Length of Refrigerant Piping (Reference)

The cooling capacity and the heating capacity of the unit have to be corrected in accordance with the length of refrigerant piping — the distance between the indoor unit and the outdoor unit.

<— line: Cooling capacity>

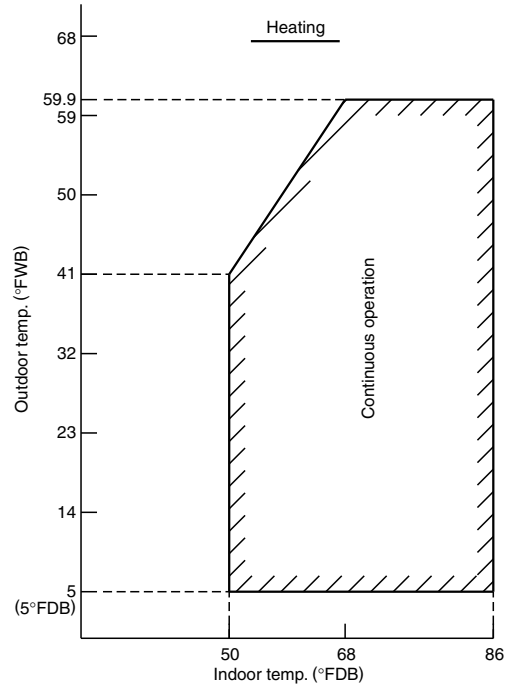
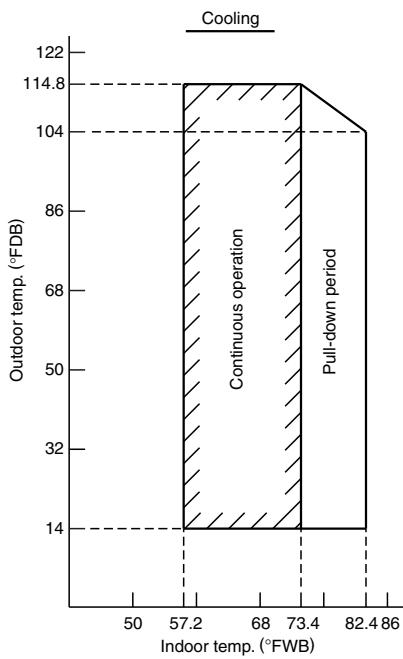
<--- line: Heating capacity>



- Note:**
1. The graph shows the factor when additional refrigerant of the proper quantity is charged.
  2. The variation of the capacity will be smaller when only one indoor unit is in operation.

# 8. Operation Limit

## 2MXS18GVJU

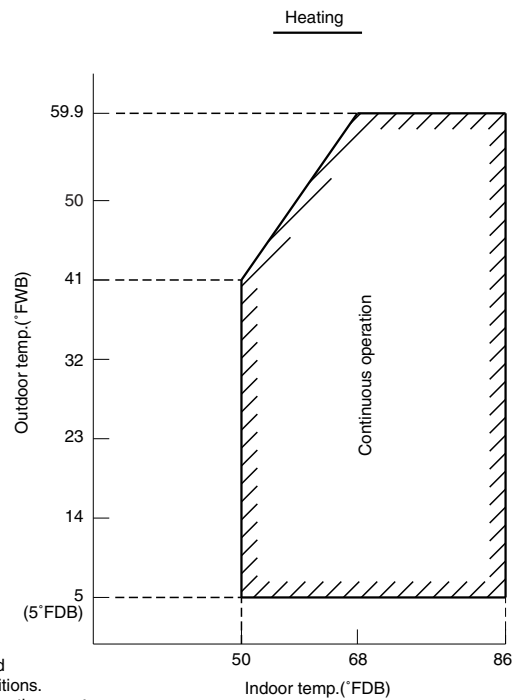
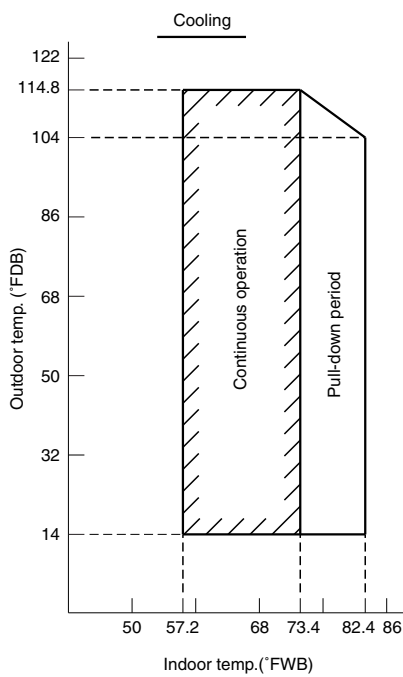


Notes :  
 The graphs are based on the following conditions.  
 • Equivalent piping length  
 • Level difference  
 • Air flow rate

25ft  
 0ft  
 High

3D048149A

## 3MXS24JVJU, 4MXS32GVJU



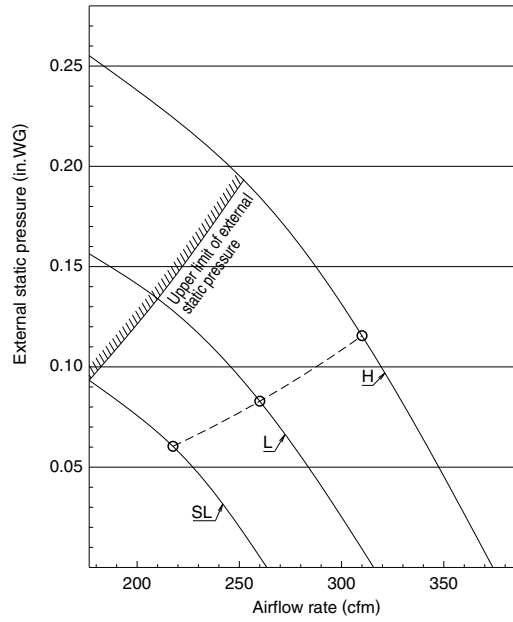
Notes:  
 The graphs are based on the following conditions.  
 • Equivalent piping length  
 • Level difference  
 • Air flow rate

25ft  
 0ft  
 High

3D058507A

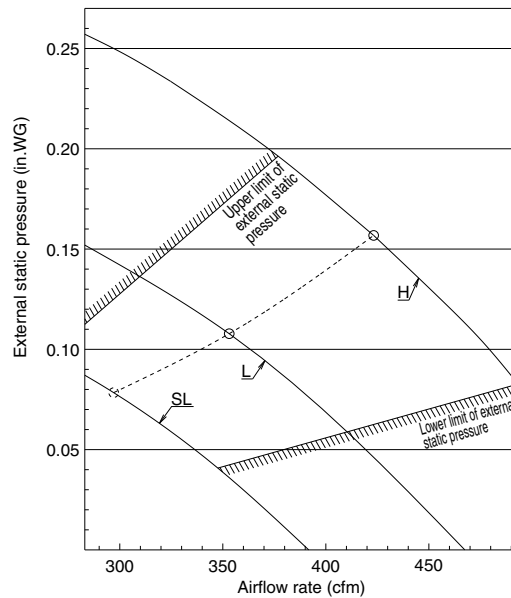
# 9. Fan Characteristics

FDXS09/12LVJU



3D074625

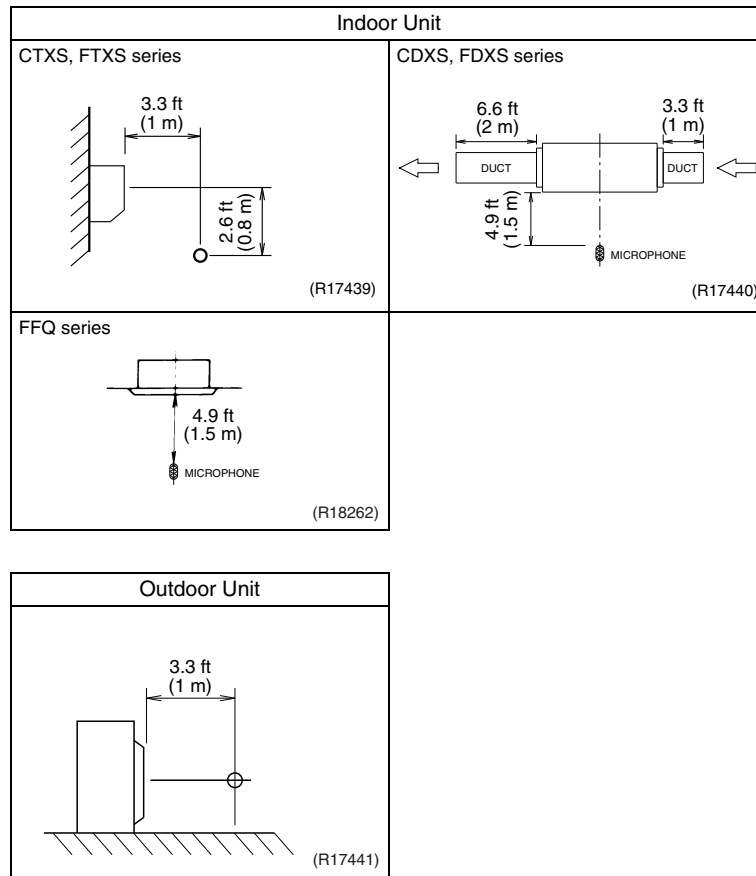
CDXS15/18LVJU



3D075306

# 10. Sound Level

## 10.1 Measuring Location



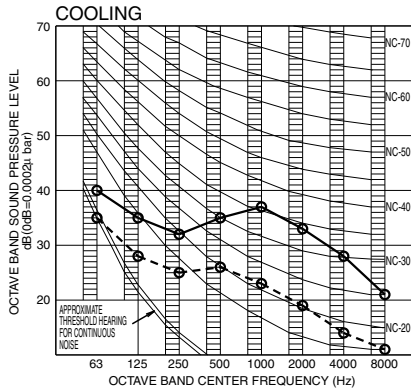
- Note:**
1. Operation sound is measured in an anechoic chamber.
  2. The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	16.4 ft (5 m)

## 10.2 Octave Band Level

### 10.2.1 Indoor Unit

#### CTXS07LVJU



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	38	25

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208/230V 60Hz

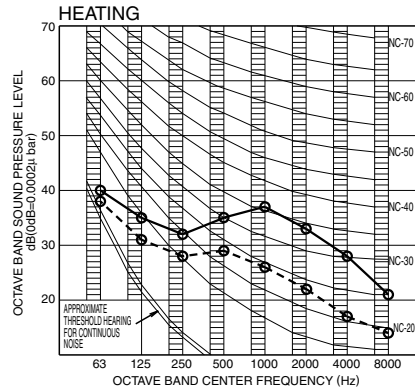
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Cooling



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	38	28

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208/230V 60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

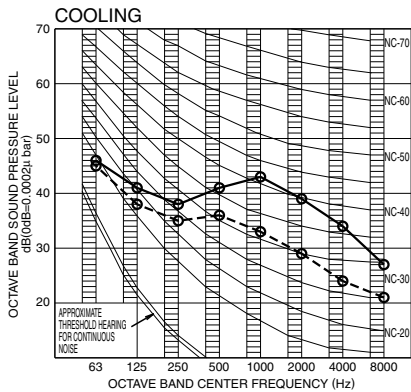
○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Heating

3D075359

#### CTXS09HVJU



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	44	35

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

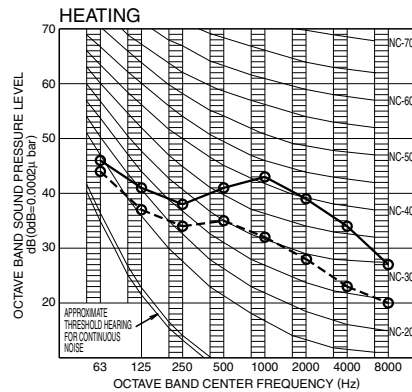
POWER SOURCE 208/230V 60Hz

JIS STANDARD

○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Cooling



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	44	34

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208/230V 60Hz

JIS STANDARD

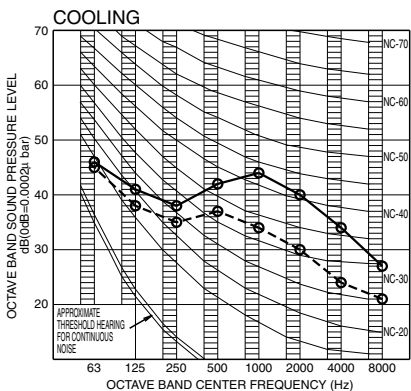
○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Heating

3D048473C

#### CTXS12HVJU



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	45	36

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

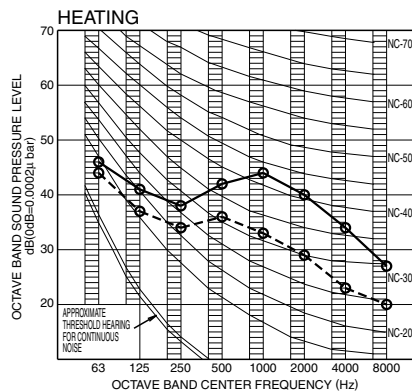
POWER SOURCE 208/230V 60Hz

JIS STANDARD

○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Cooling



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	45	35

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208/230V 60Hz

JIS STANDARD

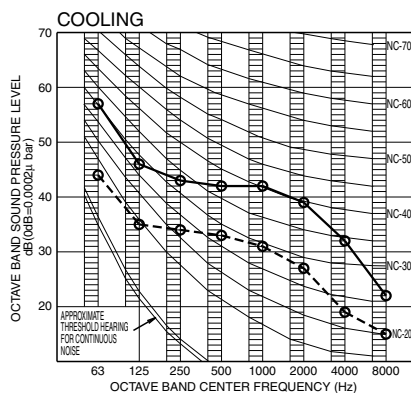
○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Heating

3D058813A

#### FTXS15LVJU



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	45	35

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

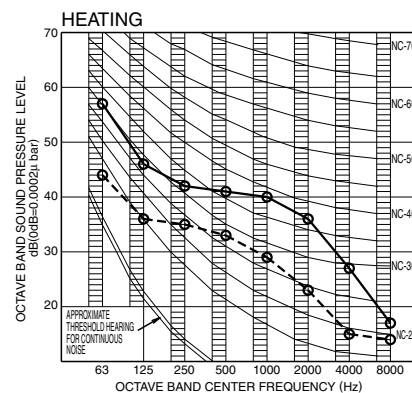
POWER SOURCE 208/230V 60Hz

JIS STANDARD

○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Cooling



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	43	33

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208/230V 60Hz

JIS STANDARD

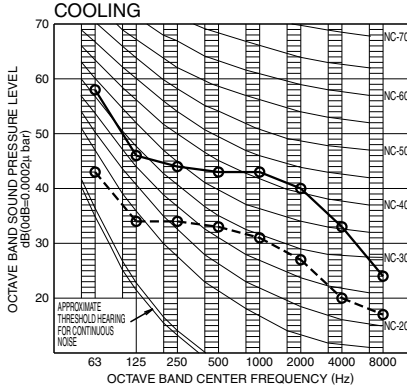
○ — ○ 60Hz 208/230V(H)

○ - - ○ 60Hz 208/230V(L)

Heating

3D074864

FTXS18LVJU

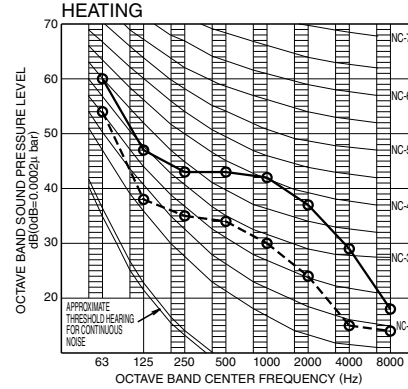


OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	46	36

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208/230V 60Hz

JIS STANDARD  
○—○ 60Hz 208/230V(H)  
○- -○ 60Hz 208/230V(L)  
Cooling



OVER ALL (dB)		
SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	45	35

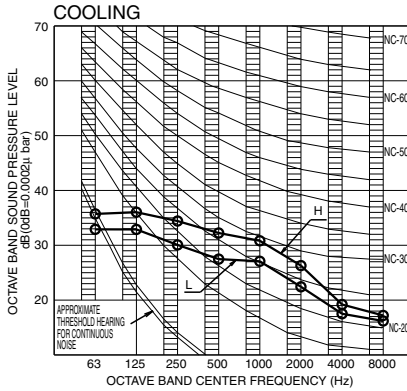
(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208/230V 60Hz

JIS STANDARD  
○—○ 60Hz 208/230V(H)  
○- -○ 60Hz 208/230V(L)  
Heating

3D074865

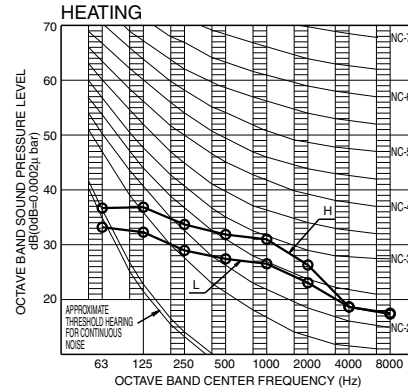
FDXS09/12LVJU



OVER ALL (dB)		
SCALE	HI	LOW
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208-230V/60Hz  
COOLING RETURN AIR TEMPERATURE: 80°FDB, 67°FWB  
OUTDOOR TEMPERATURE: 95°FDB, 75°FWB



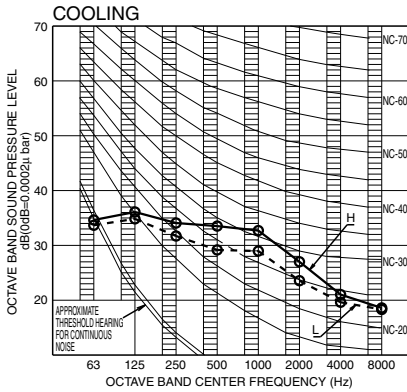
OVER ALL (dB)		
SCALE	HI	LOW
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208-230V/60Hz  
HEATING RETURN AIR TEMPERATURE: 70°FDB, 60°FWB  
OUTDOOR TEMPERATURE: 47°FDB, 43°FWB

3D074623

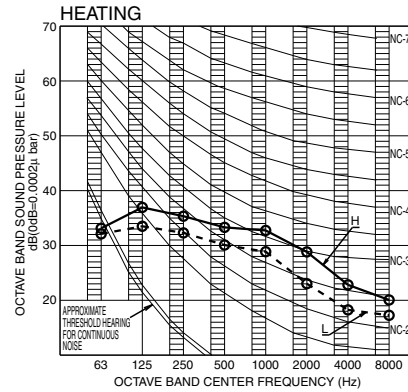
CDXS15/18LVJU



OVER ALL (dB)		
SCALE	AIR FLOW RATE	
	HI	LOW
A	37	33

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208/230V, 60Hz  
STANDARD CONDITION (JIS)



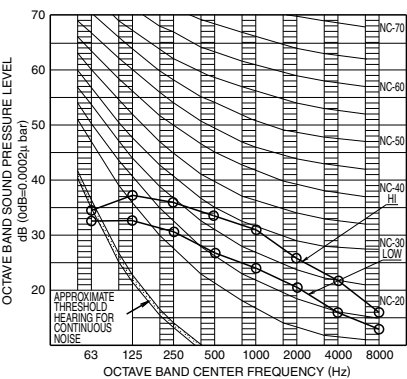
OVER ALL (dB)		
SCALE	AIR FLOW RATE	
	HI	LOW
A	37	33

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208/230V, 60Hz  
STANDARD CONDITION (JIS)

3D075272

FFQ09LVJU

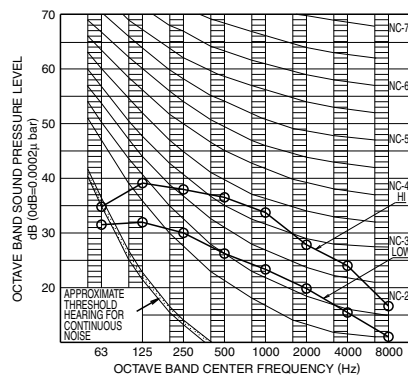


OVER ALL (dB)		
SCALE	HI	LOW
A	36.0	29.5

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208/230V, 60Hz  
STANDARD CONDITION (JIS)  
4 DIRECTION DISCHARGE

FFQ12LVJU



OVER ALL (dB)		
SCALE	HI	LOW
A	38.5	29.0

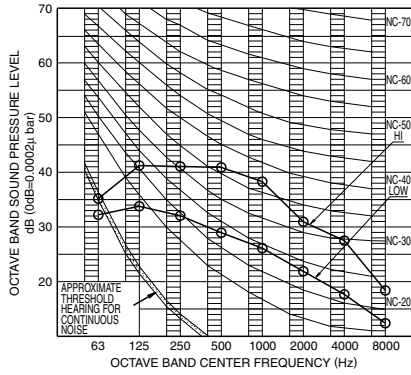
(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS  
POWER SOURCE 208/230V, 60Hz  
STANDARD CONDITION (JIS)  
4 DIRECTION DISCHARGE

4D080696

4D080697

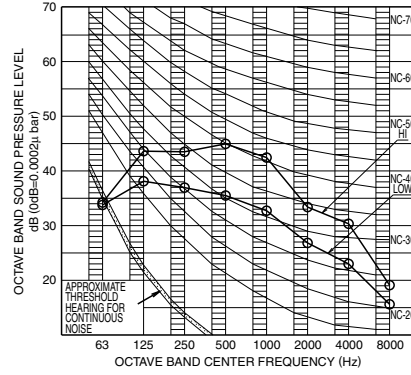
FFQ15LVJU



OVER ALL (dB)	
SCALE	HI      LOW
A	42.5    31.5
(B.G.N IS ALREADY RECTIFIED)	
OPERATING CONDITIONS	
POWER SOURCE    208/230V, 60Hz	
STANDARD CONDITION (JIS)	
4 DIRECTION DISCHARGE	

4D080698

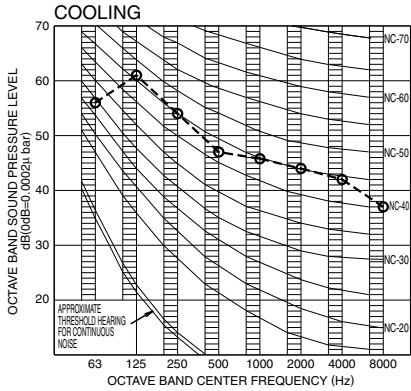
FFQ18LVJU



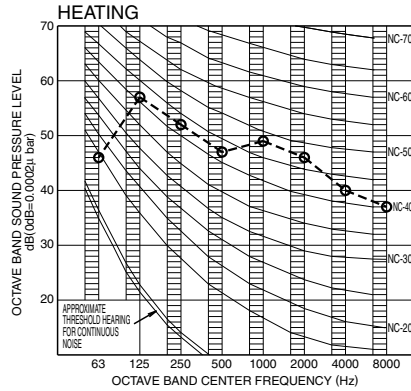
OVER ALL (dB)	
SCALE	HI      LOW
A	46.0    37.5
(B.G.N IS ALREADY RECTIFIED)	
OPERATING CONDITIONS	
POWER SOURCE    208/230V, 60Hz	
STANDARD CONDITION (JIS)	
4 DIRECTION DISCHARGE	

4D080699

10.2.2 Outdoor Unit  
2MXS18GVJU



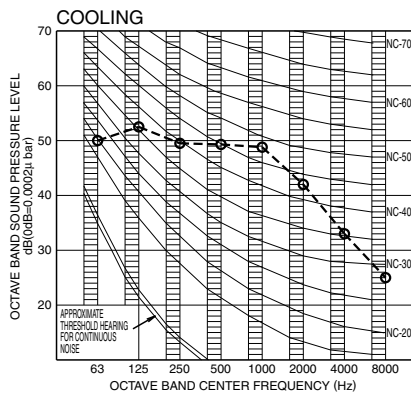
OVER ALL (dB)	
SCALE	60Hz 208/230V(H)
A	50
(B.G.N IS ALREADY RECTIFIED)	
OPERATING CONDITIONS	
POWER SOURCE    208/230V 60Hz	
JIS STANDARD (JIS9612)	
Cooling	



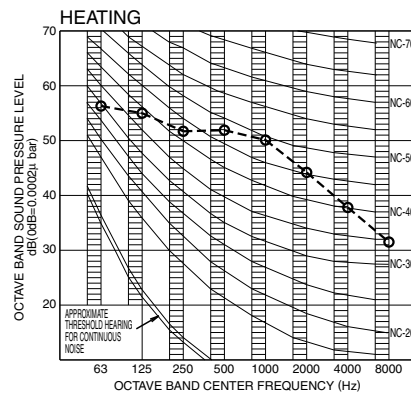
OVER ALL (dB)	
SCALE	60Hz 208/230V(H)
A	51
(B.G.N IS ALREADY RECTIFIED)	
OPERATING CONDITIONS	
POWER SOURCE    208/230V 60Hz	
JIS STANDARD (JIS9612)	
Heating	

3D048472A

3MXS24JVJU, 4MXS32GVJU



OVER ALL (dB)	
SCALE	60Hz 208/230V
A	52
(B.G.N IS ALREADY RECTIFIED)	
OPERATING CONDITIONS	
POWER SOURCE    208/230V 60Hz	
JIS STANDARD (JIS9612)	
Cooling	



OVER ALL (dB)	
SCALE	60Hz 208/230V
A	54
(B.G.N IS ALREADY RECTIFIED)	
OPERATING CONDITIONS	
POWER SOURCE    208/230V 60Hz	
JIS STANDARD (JIS9612)	
Heating	

3D058787A



## 11. Electric Characteristics

Outdoor Unit	Power Supply						Comp.		OFM	
	Hz	Volts	Min.	Max.	MCA	MOP	MSC	RLA	W	FLA
2MXS18GVJU	60	208	187	229	11.1	20	9.1	8.5	53	0.26
		230	207	253			8.3	7.7		
3MXS24JVJU	60	208	187	229	17.8	20	13.3	11.7	66	1.02
		230	207	253			12.0	10.4		
4MXS32GVJU	60	208	187	229	18.0	20	15.3	13.6	66	1.02
		230	207	253			13.8	12.1		

### Symbols:

MCA : Min. circuit amps (A)  
 MOP : Max. overcurrent protection (A)  
 MSC : Max. current during starting compressor (A)  
 RLA : Rated load amps (A)  
 OFM : Outdoor fan motor  
 W : Fan motor rated output (W)  
 FLA : Full load amps (A)

### Note:

- RLA is based on the following conditions.  
 Cooling  
 Indoor temp.: 80°FDB (27°CDB) / 67°FWB (19°CWB)  
 Outdoor temp.: 95°FDB (35°CDB)
- Voltage range:  
 Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- Maximum allowable voltage variation between phases is 2%.
- MCA represents maximum input current.  
 MOP represents capacity which may accept MCA.
- Select wire size based on the value of MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interrupter.
- Be sure to install a ground leakage detector that can handle higher harmonics. This unit uses an inverter, so it requires a ground leakage detector capable of handling high harmonics in order to prevent malfunctioning of the ground leakage detector.

3D059055A

# Part 2

# Installation Manual





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# 1. CTXS, FTXS, CDXS, FDXS Series

## Safety Considerations

Read these **SAFETY CONSIDERATIONS for Installation** carefully before installing an air conditioner or heat pump. After completing the installation, make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this Installation Manual with the Operation Manual for future reference. Always use a licensed installer or contractor to install this product. Improper installation can result in water or refrigerant leakage, electrical shock, fire, or explosion.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.

- Refrigerant gas is heavier than air and replaces oxygen. A massive leak will result in oxygen depletion, especially in basements, and an asphyxiation hazard will result in serious injury or death.
- Do not ground units to water pipes, gas pipes, telephone wires, or lightning rods as incomplete grounding will result a severe shock hazard resulting in severe injury or death. Additionally, grounding to gas pipes will result a gas leak and potential explosion resulting in severe injury or death.
- If refrigerant gas leaks during installation, ventilate the area immediately. Refrigerant gas will result in producing toxic gas if it comes into contact with fire. Exposure to this gas will result in severe injury or death.
- After completing the installation work, check that the refrigerant gas does not leak throughout the system.
- Do not install unit in an area where flammable materials are present due to risk of explosions that will result in serious injury or death.
- Safely dispose all packing and transportation materials in accordance with federal/state/local laws or ordinances. Packing materials such as nails and other metal or wood parts, including plastic packing materials used for transportation will result in injuries or death by suffocation.
- Only qualified personnel must carry out the installation work. Installation must be done in accordance with this installation manual. Improper installation could result in water leakage, electric shock, or fire.
- When installing the unit in a small room, take measures to keep the refrigerant concentration from exceeding allowable safety limits. Excessive refrigerant leaks, in the event of an accident in a closed ambient space, could result in oxygen deficiency.
- Use only specified accessories and parts for installation work. Failure to use specified parts could result in water leakage, electric shocks, fire, or the unit falling.
- Install the air conditioner or heat pump on a foundation strong enough that it can withstand the weight of the unit. A foundation of insufficient strength could result in the unit falling and causing injuries.
- Take into account strong winds, typhoons, or earthquakes when installing. Improper installation could result in the unit falling and causing accidents.
- Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local, state, and national regulations. An insufficient power supply capacity or improper electrical construction could result in electric shocks or fire.
- Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections or installation could result in fire.
- When wiring, position the wires so that the terminal box lid can be securely fastened. Improper positioning of the terminal box lid could result in electric shocks, fire, or the terminals overheating.
- Before touching electrical parts, turn off the unit.
- This equipment can be installed with a Ground-Fault Circuit Breaker (GFCI). Although this is a recognized measure for additional protection, with the earthing system in North America, a dedicated GFCI is not necessary.
- Securely fasten the unit terminal cover (panel). If the terminal cover/panel is not installed properly, dust or water may enter the condenser unit and could result in fire or electric shock.
- When installing or relocating the system, keep the refrigerant circuit free from substances other than the specified refrigerant (R-410A) such as air. Any presence of air or other foreign substance in the refrigerant circuit could result in abnormal pressure rise or rupture, resulting in injury.
- Do not change the setting of the protection devices. If the pressure switch, thermal switch, or other protection device is shorted and operated forcibly, or parts other than those specified by Daikin are used, fire or explosion could result.

- Do not touch the switch with wet fingers. Touching a switch with wet fingers may result in electric shock.
- Do not allow children to play on or around the unit or it may result in injury.
- The heat exchanger fins are sharp enough to cut, and may result in injury if improperly used. To avoid injury wear gloves or cover the fins while working around them.
- Do not touch the refrigerant pipes during and immediately after operation as the refrigerant pipes may be hot or cold, depending on the condition of the refrigerant flowing through the refrigerant piping, compressor, and other refrigerant cycle parts. It may result in your hands getting burns or frostbite if you touch the refrigerant pipes. To avoid injury, give the pipes time to return to normal temperature or, if you must touch them, be sure to wear proper gloves.
- Install drain piping to proper drainage. Improper drain piping may result in water leakage and property damage.
- Insulate piping to prevent condensation.
- Be careful when transporting the product.
- Do not turn off the power immediately after stopping operation. Always wait for at least 5 minutes before turning off the power. Otherwise, water leakage may result.
- Do not use a charging cylinder. Using a charging cylinder may cause the refrigerant to deteriorate.
- Refrigerant R-410A in the system must be kept clean, dry, and tight.
  - (a) Clean and Dry -- Foreign materials (including mineral oils such as SUNISO oil or moisture) should be prevented from getting into the system.
  - (b) Tight -- R-410A does not contain any chlorine, does not destroy the ozone layer, and does not reduce the earth's protection against harmful ultraviolet radiation. R-410A can contribute to the greenhouse effect if it is released. Therefore take proper measures to check for the tightness of the refrigerant piping installation. Read the chapter *Refrigerant Piping* and follow the procedures.
- Since R-410A is a blend, the required additional refrigerant must be charged in its liquid state. If the refrigerant is charged in a state of gas, its composition can change and the system will not work properly.
- The indoor unit is for R-410A. See the catalog for indoor models that can be connected. Normal operation is not possible when connected to other units.
- Remote controller (wireless kit) transmitting distance can be shorter than expected in rooms with electronic fluorescent lamps (inverter or rapid start types). Install the indoor unit far away from fluorescent lamps as much as possible.
- Indoor units are for indoor installation only. Outdoor units can be installed either outdoors or indoors. This unit is for indoor use.
- Do not install the air conditioner or heat pump in the following locations:
  - (a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen. Plastic parts may deteriorate and fall off and thus may result in water leakage.
  - (b) Where corrosive gas, such as sulfurous acid gas, is produced. Corroding copper pipes or soldered parts may result in refrigerant leakage.
  - (c) Near machinery emitting electromagnetic waves. Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
  - (d) Where flammable gas may leak, where there is carbon fiber, or ignitable dust suspension in the air, or where volatile flammables such as thinner or gasoline are handled. Operating the unit in such conditions may result in a fire.
- Take adequate measures to prevent the condenser unit from being used as a shelter by small animals. Small animals making contact with electrical parts may result in malfunctions, smoke, or fire. Instruct the customer to keep the area around the unit clean.
- Install the power supply and control wires for the indoor and outdoor units at least 3.5 feet away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 feet may not be sufficient to eliminate the noise.
- Dismantling the unit, treatment of the refrigerant, oil and additional parts must be done in accordance with the relevant local, state, and national regulations.
- Do not use the following tools that are used with conventional refrigerants: gauge manifold, charge hose, gas leak detector, reverse flow check valve, refrigerant charge base, vacuum gauge, or refrigerant recovery equipment.
- If the conventional refrigerant and refrigerator oil are mixed in R-410A, the refrigerant may result in deterioration.
- This air conditioner or heat pump is an appliance that should not be accessible to the general public.
- As design pressure is 478 psi, the wall thickness of field-installed pipes should be selected in accordance with the relevant local, state, and national regulations.

## 1.1 CTXS07LVJU

# Accessories

**Indoor unit** (A)–(L).

(A) Mounting plate	1	(E) Remote controller holder	1	(J) Tube	1
(B) Mounting plate fixing screw 3/16" × 1" (M4 × 25mm)	5	(F) Fixing screw for remote controller holder 1/8" × 13/16" (M3 × 20mm)	2	(K) Operation manual	1
(C) Titanium apatite photocatalytic air-purifying filter	2	(G) Dry battery AAA. LR03 (alkaline)	2	(L) Installation manual	1
(D) Wireless remote controller	1	(H) Indoor unit fixing screw 3/16" × 1/2" (M4 × 12mm)	2		

## Choosing an Installation Site

- Before choosing the installation site, obtain user approval.

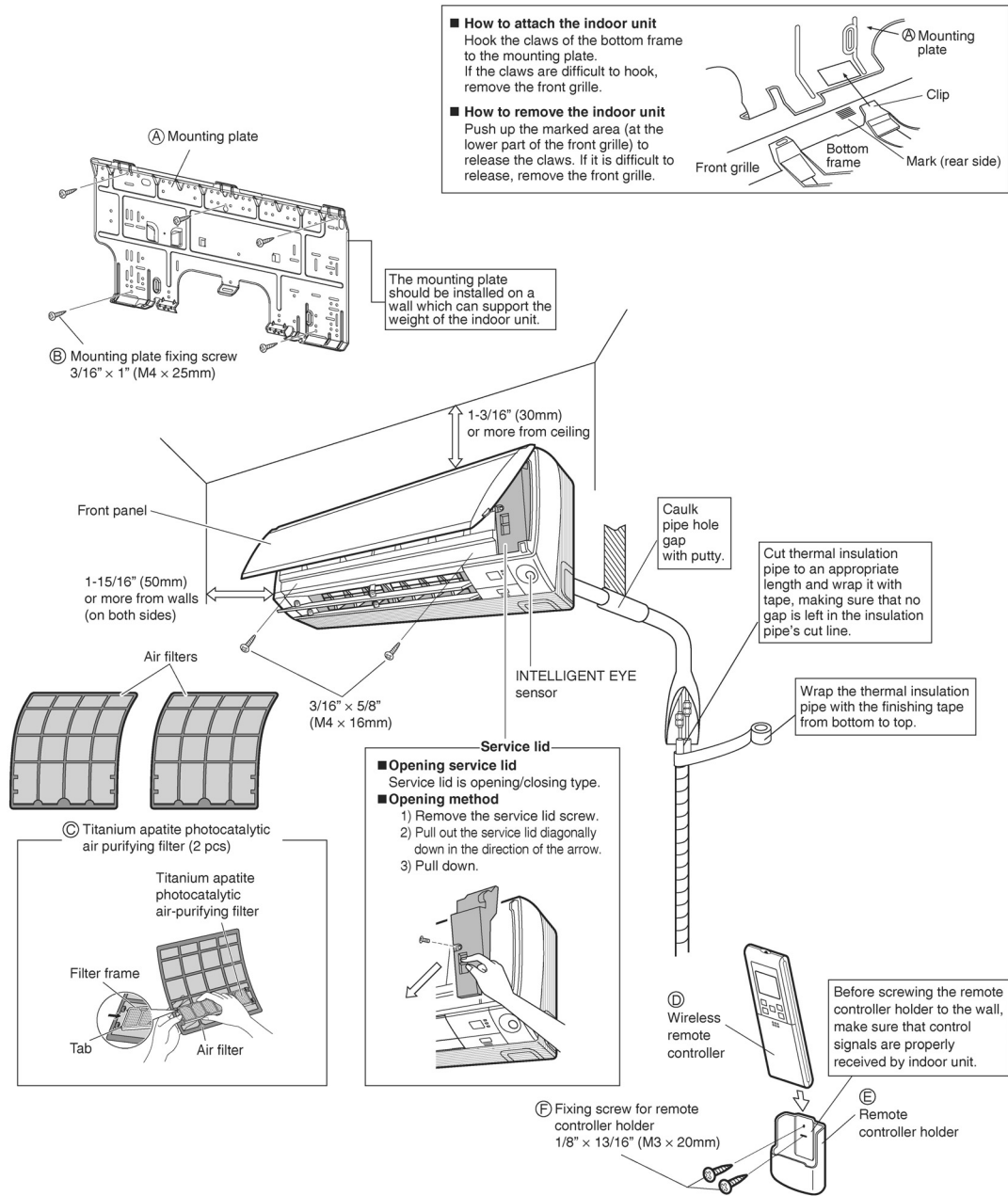
### 1. Indoor unit

- The indoor unit should be sited in a place where:
  - 1) the restrictions on installation specified in the indoor unit installation drawings are met
  - 2) both air inlet and air outlet have clear paths met
  - 3) the unit is not in the path of direct sunlight
  - 4) the unit is away from the source of heat or steam
  - 5) there is no source of machine oil vapor (this may shorten indoor unit life)
  - 6) cool (warm) air is circulated throughout the room
  - 7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range
  - 8) the unit is at least 3.5ft (1m) away from any television or radio set (unit may cause interference with the picture or sound)
  - 9) install at the recommended height 6ft (1.8m)
  - 10) no laundry equipment is located in the space

### 2. Wireless remote controller

- 1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote control signals are properly received by the indoor unit (within 23ft/7m).

# Indoor Unit Installation Drawings



## INTELLECTIVE EYE sensor

### ⚠ CAUTION

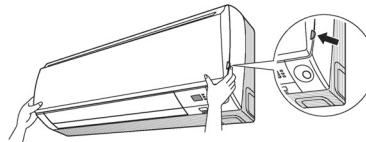
- Do not hit or forcefully push the INTELLECTIVE EYE sensor. This can lead to damage and malfunction.
- Do not place large objects near the sensor. Keep heating units or humidifiers outside the sensor's detection area.

# Preparation before Installation

## 1. Removing and installing front panel

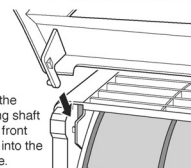
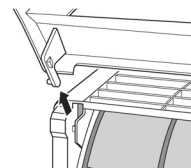
### • Removal method

Hook fingers on the tabs on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



### • Installation method

Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.

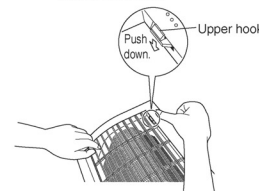
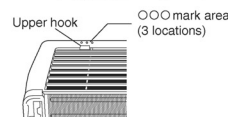


Push the rotating shaft of the front panel into the groove.

## 2. Removing and installing front grille

### • Removal method

- 1) Remove front panel to remove the air filter.
- 2) Remove 2 screws from the front grille.
- 3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.



## When there is no work space because the unit is close to ceiling

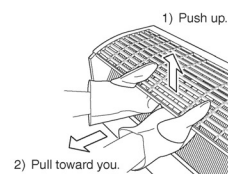
### ⚠ CAUTION

- Be sure to wear protection gloves.

Place both hands under the center of the front grille, and while pushing up, pull it toward you.

### • Installation method

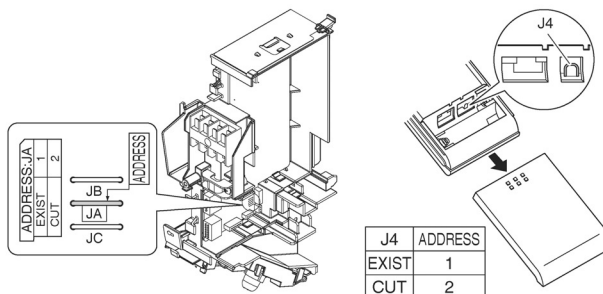
- 1) Install the front grille and firmly engage the upper hooks (3 locations).
- 2) Install 2 screws of the front grille.
- 3) Install the air filter and then mount the front panel.



### 3. How to set the different addresses

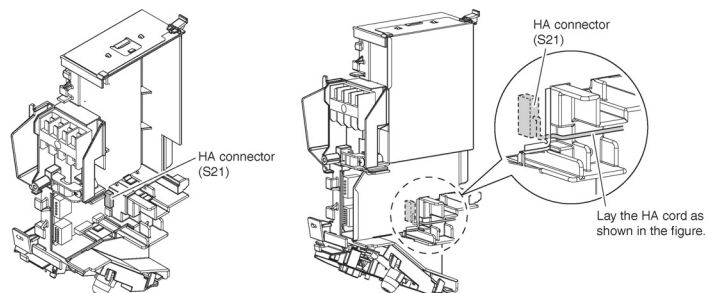
When 2 indoor units are installed in one room, the 2 wireless remote controllers can be set for different addresses.

- 1) Remove the metal plate electrical wiring cover.  
(Refer to the **When connecting to an HA system.**)
- 2) Cut the address jumper (JA) on the printed circuit board.
- 3) Cut the address jumper (J4) in the remote controller.



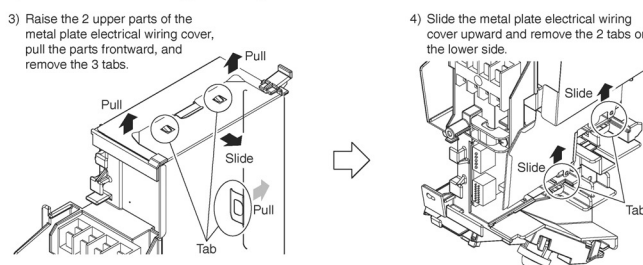
### 4. When connecting to an HA system (wired remote controller, central remote controller etc.)

- 1) Remove the metal plate electrical wiring cover.  
(Refer to the **Removal/attachment methods of metal plate electrical wiring covers.**)
- 2) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
- 3) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.



#### • Removal methods of metal plate electrical wiring cover

- 1) Remove the front grille.
- 2) Remove the electrical wiring box. (1 screw)
- 3) Raise the 2 upper parts of the metal plate electrical wiring cover, pull the parts forward, and remove the 3 tabs.
- 4) Slide the metal plate electrical wiring cover upward and remove the 2 tabs on the lower side.



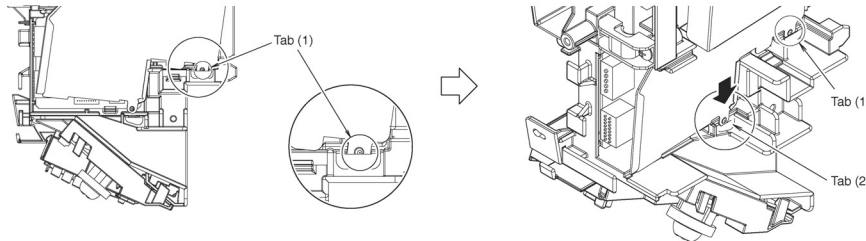


# Preparation before Installation

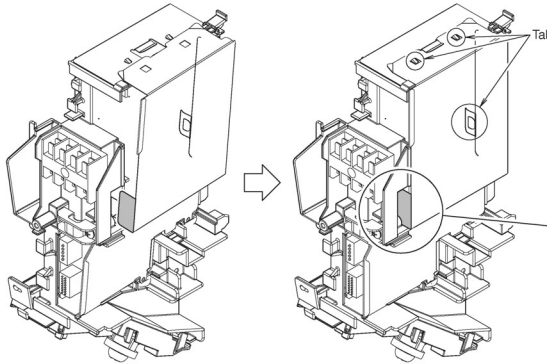
**• Attachment methods of metal plate electrical wiring cover**

Attach the metal plate electrical wiring cover as shown below.

- 1) Lean the metal plate electrical wiring cover as shown in the figure and attach tab (1) on the lower side to the electrical wiring box.
- 2) Attach tab (2) on the lower side of the metal plate electrical wiring cover.



- 3) Push in the upper part of the metal plate electrical wiring cover and attach the 3 tabs.



**CAUTION**

- Make sure that the shaded part (■) will not go inside the electrical wiring box.

# Refrigerant Piping Work

## 1. Flaring the pipe end

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.

(Cut exactly at right angles.)

Remove burrs.

**Check**

Flare's inner surface must be flaw-free.

The pipe end must be evenly flared in a perfect circle.

Make sure that the flare nut is fitted.

**Flaring**

Set exactly at the position shown below.

Die	Flare tool for R410A		Conventional flare tool	
	Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)	
A	0-0.020 inch (0-0.5mm)	0.039-0.059 inch (1.0-1.5mm)	0.059-0.079 inch (1.5-2.0mm)	

**WARNING**

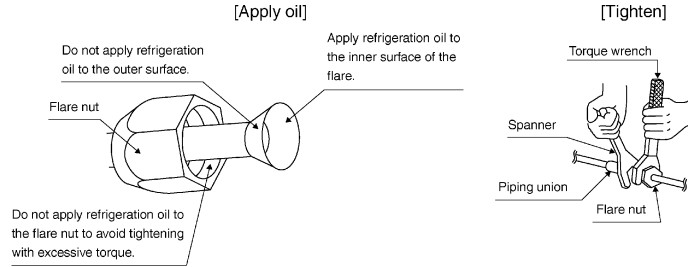
- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- Never install a drier to this R410A unit in order to guarantee its lifetime.
- The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

## 2. Refrigerant piping

### ⚠ CAUTION

- Use the flare nut fixed to the main unit to prevent it from cracking and deteriorating from age.
- To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

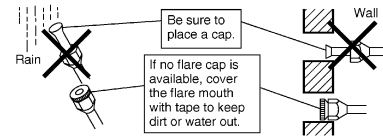
Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque	
Gas side	Liquid side
3/8 inch (9.5mm)	1/4 inch (6.4mm)
24.1-29.4ft • lbf (32.7-39.9N • m)	10.4-12.7ft • lbf (14.2-17.2N • m)

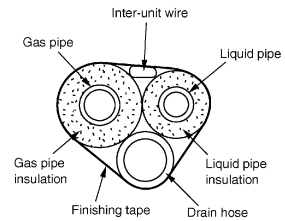
### 2-1. Caution on piping handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.



### 2-2. Selection of copper and heat insulation materials

- When using commercial copper pipes and fittings, observe the following:
- 1) Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030Btu/ft•°F (0.035 to 0.045kcal/mh•°C))  
Be sure to use insulation that is designed for use with HVAC Systems.



- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side	Liquid side	Gas pipe thermal insulation	Liquid pipe thermal insulation
O.D. 3/8 inch (9.5mm)	O.D. 1/4 inch (6.4mm)	I.D. 15/32-19/32 inch (12-15mm)	I.D. 5/16-13/32 inch (8-10mm)
Minimum bend radius		Thickness 13/32 inch (10mm) Min.	
1-3/16 inch (30mm) or more			
Thickness 0.031 inch (0.8mm) (C1220T-O)			

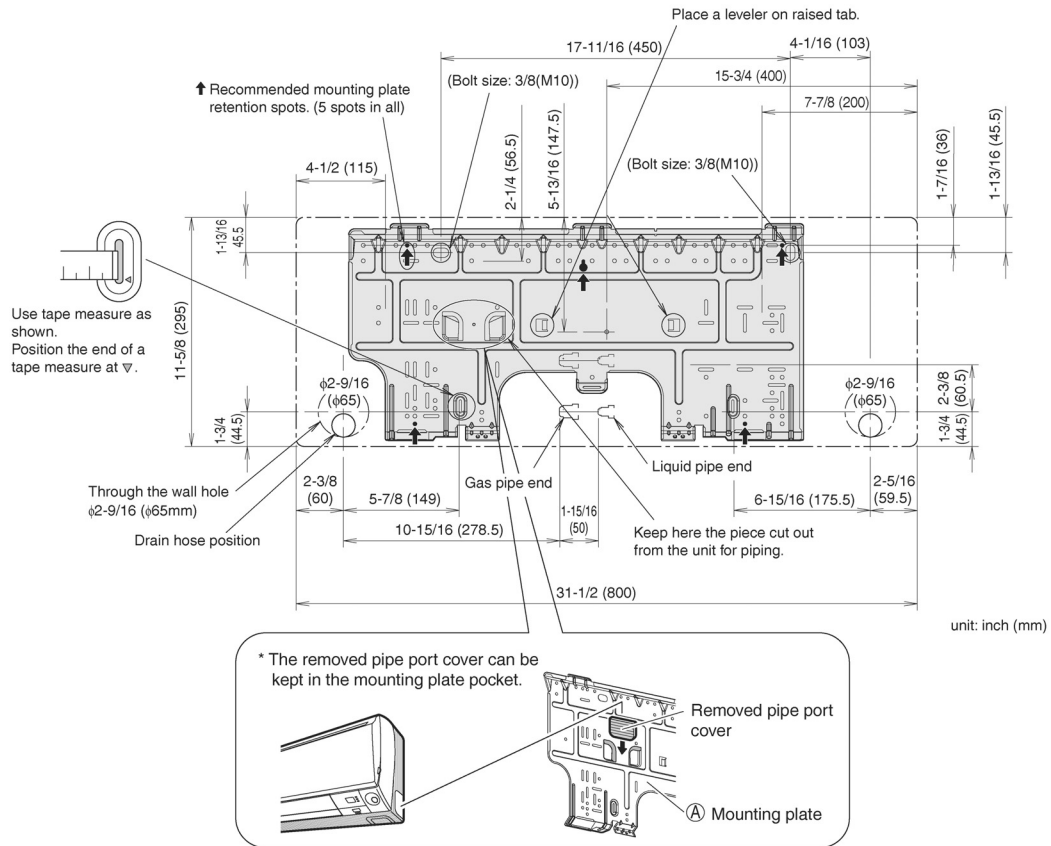
- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

# Indoor Unit Installation

## 1. Installing the mounting plate

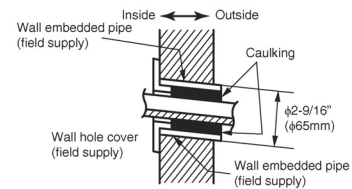
- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
  - Temporarily secure the mounting plate to the wall, make sure that the plate is completely level, and mark the boring points on the wall.
  - Secure the mounting plate to the wall with screws.

### Recommended mounting plate retention spots and dimensions



## 2. Boring a wall hole and installing wall embedded pipe

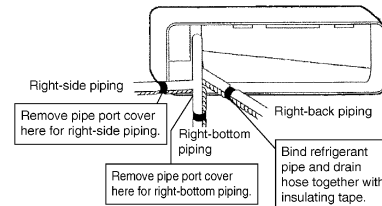
- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
  - Bore a feed-through hole of 2-9/16 inch (65mm) in the wall so it has a down slope toward the outside.
  - Insert a wall pipe into the hole.
  - Insert a wall cover into wall pipe.
  - After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



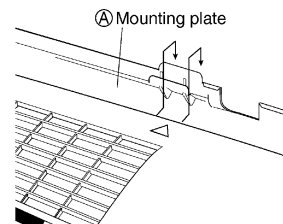
### 3. Laying piping, hoses, and wiring

#### 3-1. Right-side, right-back, or right-bottom piping

- 1) Attach the drain hose to the underside of the refrigerant pipes with an adhesive vinyl tape.
- 2) Wrap the refrigerant pipes and drain hose together with insulation tape.

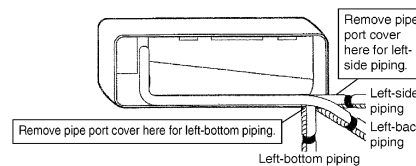


- 3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the  $\Delta$  markings at the top of the indoor unit as a guide.



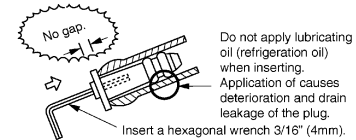
#### 3-2. Left-side, left-back, or left-bottom piping

- 1) Replace the drain plug and drain hose.
- 2) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.

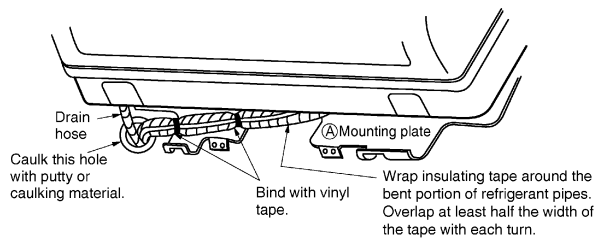


- 3) Be sure to connect the drain hose to the drain port in place of a drain plug.

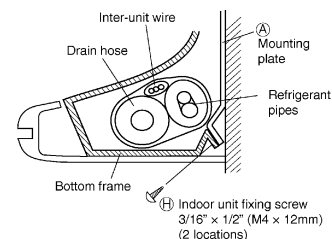
#### How to set drain plug.



- 4) Shape the refrigerant pipes along the pipe path marking on the mounting plate.
- 5) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the  $\Delta$  markings at the top of indoor unit as a guide.
- 6) Pull in the inter-unit wire.
- 7) Connect the inter-unit pipes.



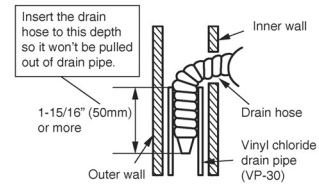
- 8) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
- 9) While exercising care so that the inter-unit wire do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with indoor unit fixing screws  $3/16 \times 1/2$  inch (M4  $\times$  12mm).



# Indoor Unit Installation

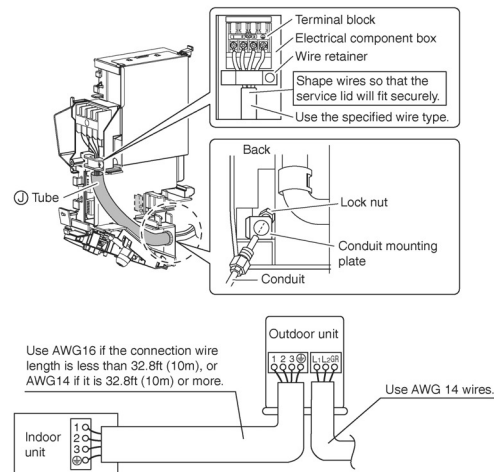
## 3-3. Wall embedded piping

- Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



## 4. Wiring

- 1) As shown in the illustration on the right-hand side, insert the wires including the ground wire into the conduit and secure them with lock nut onto the conduit mounting plate.
- 2) Insert the wires including the ground wire into  $\odot$  tube.
  - Cut  $\odot$  tube when  $\odot$  tube is too long.
- 3) Strip wire ends (9/16 inch (15mm)).
- 4) Match wire colors with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
- 5) Connect the ground wires to the corresponding terminals.
- 6) Pull the wires and check that the wires are securely fixed to the terminal block.
- 7) In case of connecting to an adapter system, run the remote controller cable and attach the S21. (Refer to P5 when connecting to an HA system.)
- 8) Shape the wires so that the service lid fits securely, then close service lid.

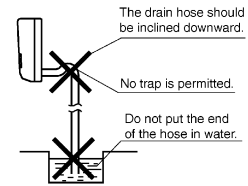


### **⚠ WARNING**

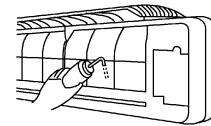
- Do not use tapped wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.
- When carrying out wiring connection, take care not to pull at the conduit.
- Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

## 5. Drain piping

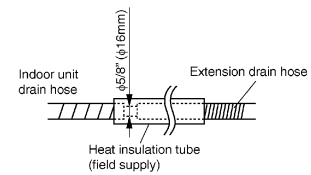
1) Connect the drain hose, as described right.



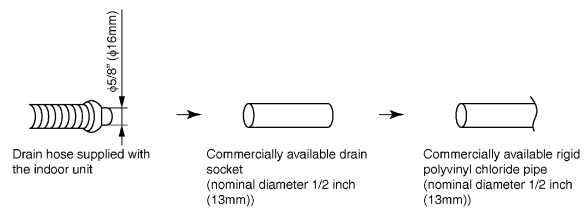
2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



3) When drain hose requires extension, obtain an extension hose commercially available.  
Be sure to thermally insulate the indoor section of the extension hose.



4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 1/2 inch (13mm)) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 1/2 inch (13mm)) as a joint.



# Trial Operation and Testing

## 1. Trial operation and testing

1-1 Measure the supply voltage and make sure that it falls in the specified range.

1-2 Trial operation should be carried out in either cooling or heating mode.

- In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

1) Trial operation may be disabled in either mode depending on the room temperature.

Use the remote controller for trial operation as described below.

2) After trial operation is complete, set the temperature to a normal level (78°F to 82°F (26°C to 28°C) in cooling mode, 68°F to 75°F (20°C to 24°C) in heating mode).

3) For protection, the system disables restart operation for 3 minutes after it is turned off.

1-3 Carry out the test operation in accordance with the operation manual to ensure that all functions and parts, such as fin movement, are working properly.

- The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
- If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

### Trial operation from remote controller

1) Press "ON/OFF" button to turn on the system.

2) Press "TEMP" button (2 locations) and "MODE" button at the same time.

3) Press "MODE" button twice.

(" ? " will appear on the display to indicate that trial operation mode is selected.)

4) Trial operation terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press "ON/OFF" button.

## 2. Test items

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for inter-unit wiring.	Inoperative or burn damage	
Indoor or outdoor unit's air inlet or air outlet has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote control commands.	Inoperative	
The heat pump or cooling only mode is selectable with the DIP switch of the remote controller.	Remote controller malfunctioning	

C: 3P297301-1

## 1.2 CTXS09/12HVJU

## Accessories

Ⓐ Mounting plate	1	Ⓔ Remote controller holder	1	Ⓚ Operation manual	1
Ⓑ Mounting plate fixing screws 3/16" × 1"L (M4 × 25mm)	10	Ⓕ Fixing screws for remote controller holder 1/8" × 13/16"L (M3 × 20mm)	2	Ⓛ Installation manual	1
Ⓒ Air-purifying filter with photocatalytic deodorizing function	2	Ⓖ Dry batteries AAA. LR03 (alkaline)	2		
Ⓓ Wireless remote controller	1	Ⓗ Indoor unit fixing screws 3/16" × 1/2"L (M4 × 12mm)	2		

2

## Choosing a Site

- Before choosing the installation site, obtain user approval.

### 1. Indoor unit.

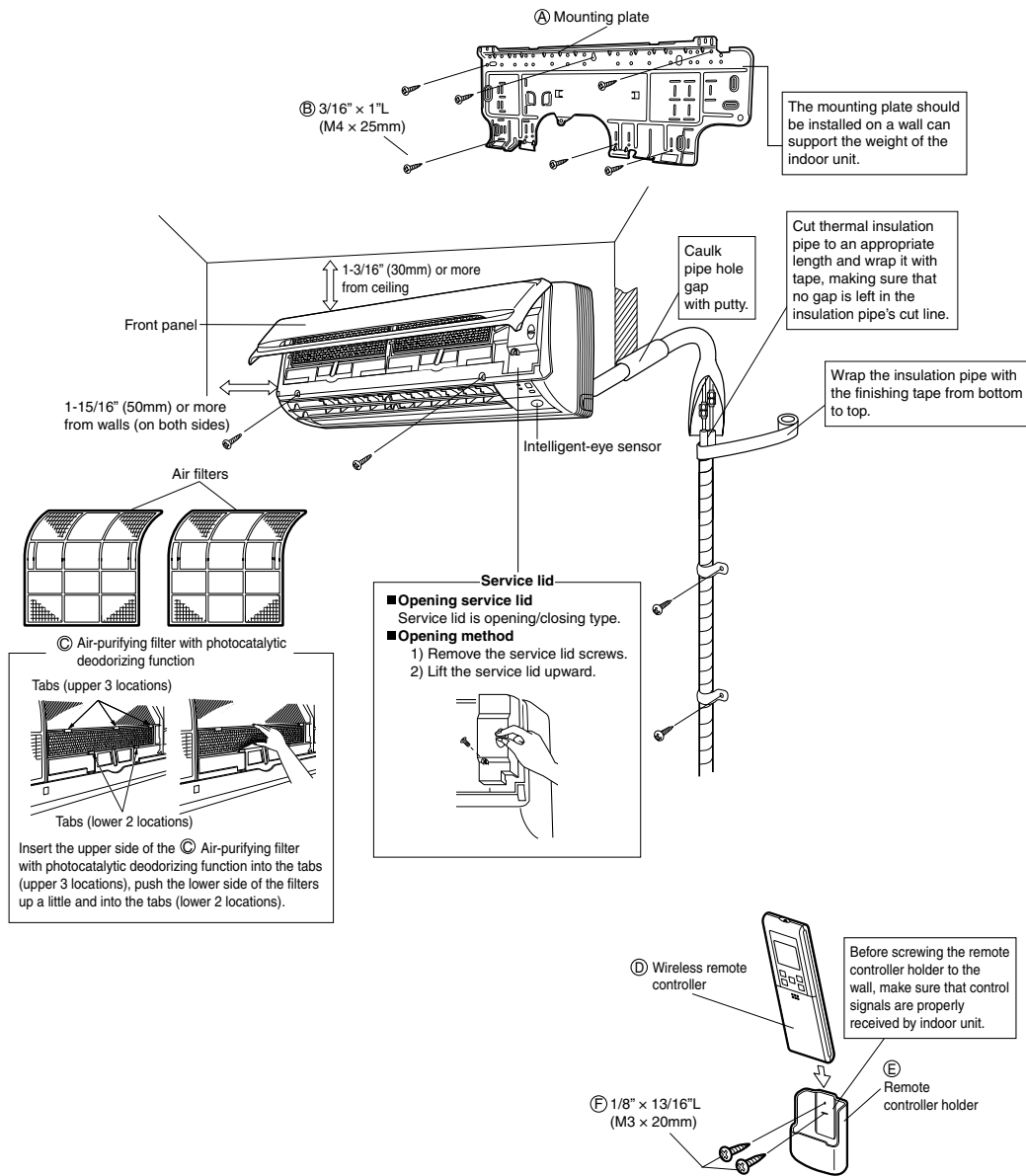
- The indoor unit should be sited in a place where:
  - 1) The restrictions on installation specified in the indoor unit installation drawings are met.
  - 2) Both air intake and exhaust have clear paths met.
  - 3) The unit is not in the path of direct sunlight.
  - 4) The unit is away from the source of heat or steam.
  - 5) There is no source of machine oil vapor (this may shorten indoor unit life).
  - 6) Cool air is circulated throughout the room.
  - 7) The unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range.
  - 8) The unit is at least 3.5 ft (1m) away from any television or radio set (unit may cause interference with the picture or sound).

### 2. Wireless remote controller.

- 1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 23 ft (7m)).



## Indoor Unit Installation Drawings



## Intelligent-eye Sensor

**⚠ CAUTION**

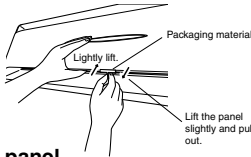
- 1) Do not hit or forcefully push the intelligent-eye sensor. This can lead to damage and malfunction.
- 2) Do not place large objects near the sensor. Also keep heating units or humidifiers outside the sensor's detection area.

## Installation Tips

### 1. Removing packaging material.

**Removal method**

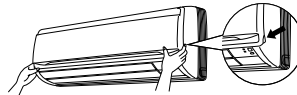
Grasp the packaging material which is in the center of the front panel, with one hand, and lightly pull the front panel up and toward you.



### 2. Removing and installing front panel.

**Removal method**

Hook fingers on the panel protrusions on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



**Installation method**

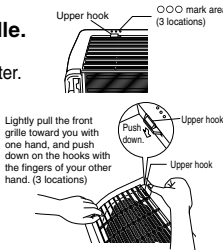
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.



### 3. Removing and installing front grille.

**Removal method**

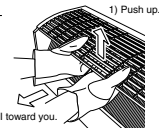
- 1) Remove front panel to remove the air filter.
- 2) Remove the front grille. (2 screws)
- 3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand. (3 locations)



<When there is no work space because the unit is close to ceiling>

**CAUTION**

Be sure to wear protection gloves.



Place both hands under the center of the front grille, and while pushing up, pull it toward you.

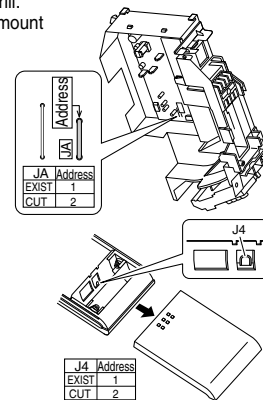
**Installation method**

- 1) Install the front grille and firmly engage the upper hooks. (3 locations)
- 2) Install 2 screws of the front grill.
- 3) Install the air filter and then mount the front panel.

### 4. How to set the different addresses.

When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.

- 1) In the same way as when connecting to an HA system, remove the metal plate electrical wiring cover.
- 2) Cut the address jumper (JA).
- 3) Cut the address jumper (J4).

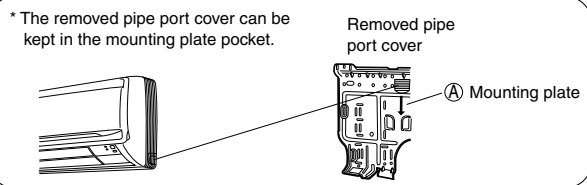
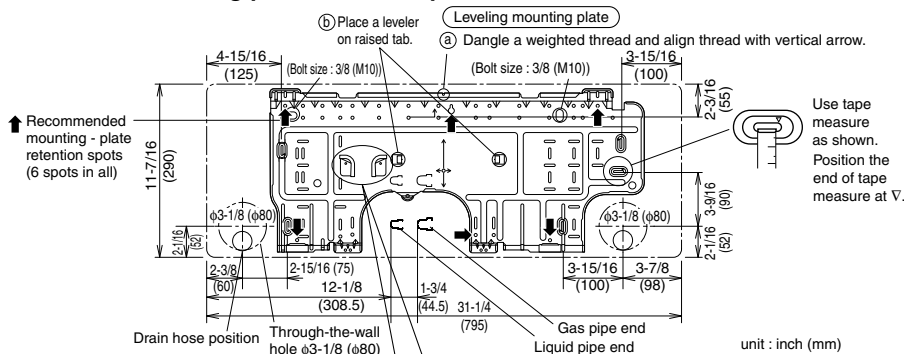


## Indoor Unit Installation (1)

### 1. Installing the mounting plate.

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
- 1) Temporarily secure the mounting plate to the wall, make sure that the plate is completely level, and mark the boring points on the wall.
  - 2) Secure the mounting plate to the wall with screws.

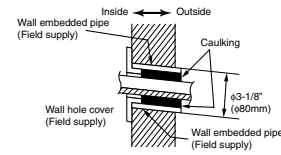
#### Recommended mounting-plate retention spots and Dimensions



## Indoor Unit Installation (2)

### 2. Boring a wall hole and installing wall embedded pipe.

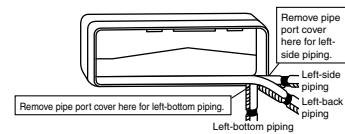
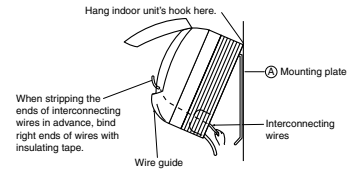
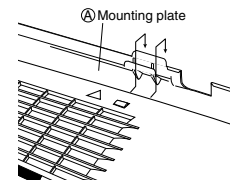
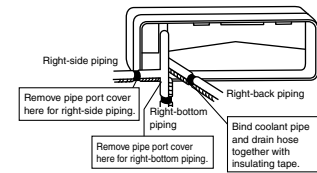
- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
  - Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
- 1) Bore a feed-through hole of 3-1/8 inch (80mm) in the wall so it has a down slope toward the outside.
  - 2) Insert a wall pipe into the hole.
  - 3) Insert a wall cover into wall pipe.
  - 4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



### 3. Installing indoor unit.

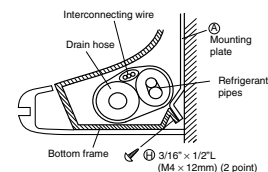
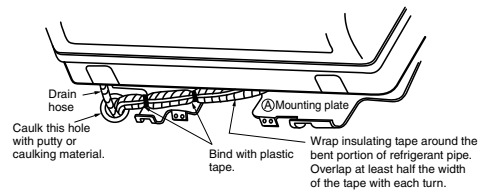
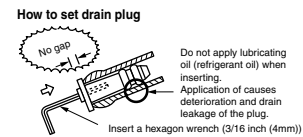
#### 3-1. Right-side, right-back, or right-bottom piping.

- 1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
- 2) Wrap the refrigerant pipes and drain hose together with insulation tape.
- 3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the  $\Delta$  markings at the top of the indoor unit as a guide.
- 4) Open the front panel, then open the service lid. Refer to Installation Tips.
- 5) Pass the interconnecting wires from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side. Bend the ends of tie wires upward in advance for easier work. (If the interconnecting wire ends are to be stripped first, bundle wire ends with adhesive tape.)
- 6) Press the indoor unit's bottom panel with both hands to set it on the mounting plate hooks. Make sure the wires do not catch on the edge of the indoor unit.



#### 3-2. Left-side, left-back, or left-bottom piping.

- 1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
- 2) Be sure to connect the drain hose to the drain port in place of a drain plug.
- 3) Shape the refrigerant pipe along the pipe path marking on the mounting plate.
- 4) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the  $\Delta$  markings at the top of indoor unit as a guide.
- 5) Pull in the interconnecting wires.
- 6) Connect the inter-unit piping.
- 7) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
- 8) While exercising care so that the interconnecting wires do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with the screws (3/16" x 1/2" L (M4 x 12mm)).



## Indoor Unit Installation (3)

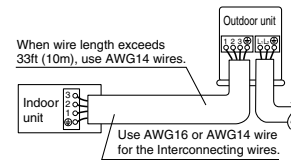
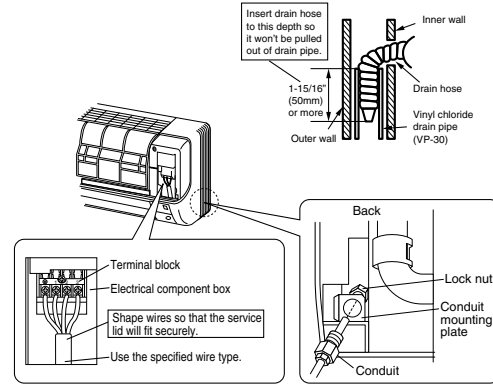
### 3-3. Wall embedded piping.

- Insert the drain hose to this depth so it won't be pulled out of the drain pipe.

### 4. Wiring.

**With a Multi indoor unit**, install as described in the installation manual supplied with the Multi outdoor unit.

- 1) Strip wire ends. (9/16 inch (15mm))
- 2) Match wire colors with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
- 3) Connect the ground wires to the corresponding terminals.
- 4) Pull wires to make sure that they are securely latched up.
- 5) In case of connecting to an adapter system. Run the remote controller cable and attach the S21 connector as the illustration above.
- 6) Shape the wires so that the service lid fits securely, then close service lid.

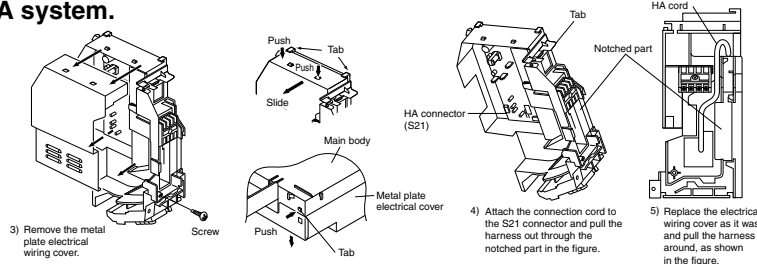


### ⚠ WARNING

- 1) Do not use spliced wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire. Follow all Local, and State electrical codes.
- 2) Do not use locally purchased electrical parts inside the product. (Do not overload the circuit by adding drain pump or other electrical equipment to unit terminals.) Doing so may cause electric shock or fire.
- 3) When carrying out wiring connection, take care not to pull at the conduit.
- 4) Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

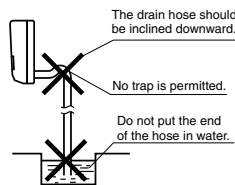
### 5. When connecting to an HA system.

- 1) Remove the front grille. (2 screws)
- 2) Remove the electrical wiring box. (1 screw)
- 3) Remove the metal plate electrical wiring cover. (4 tabs)
- 4) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
- 5) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.

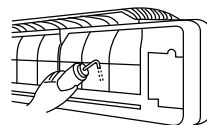


### 6. Drain piping.

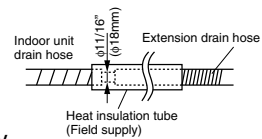
- 1) Connect the drain hose, as described right.



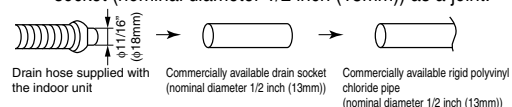
- 2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



- 3) If the drain hose requires an extension, procure one locally. Be sure to thermally insulate the indoor section of the extension hose.



- 4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 1/2 inch (13mm)) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 1/2 inch (13mm)) as a joint.



## Run Test and Final Check

### 1. Trial operation and testing.

- 1-1 Measure the supply voltage and make sure that it falls in the specified range.
- 1-2 Trial operation should be carried out in either cooling or heating mode.
  - In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
    - 1) Trial operation may be disabled in either mode depending on the room temperature. Use the remote controller for trial operation as described below.
    - 2) After trial operation is complete, set the temperature to a normal level (78°F to 82°F (26°C to 28°C) in cooling mode, 68°F to 75°F (20°C to 24°C) in heating mode).
    - 3) For protection, the unit disables restart operation for 3 minutes after it is turned off.
- 1-3 Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.
  - The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
  - If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

#### Trial operation from remote controller.

- 1) Press the MODE button and select the trial operation mode.
- 2) Press ON/OFF button to turn on the system.
- 3) Simultaneously press MODE button and both of the TEMP buttons.
- 4) Press MODE button twice.  
(“T” will appear on the display to indicate that Trial Operation mode is selected.)
- 5) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

### 2. Test items.

Test items	Symptom	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Drain line is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air intake or exhaust has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

## 1.3 FTXS15/18LVJU

# Accessories

**Indoor unit** (A) – (M)

(A) Mounting plate	1	(E) Remote controller holder	1	(J) Tube	1
(B) Mounting plate fixing screw 3/16" × 1" (M4 × 25mm)	9	(F) Fixing screw for remote controller holder 1/8" × 13/16" (M3 × 20mm)	2	(K) Operation manual	1
(C) Titanium apatite photocatalytic air-purifying filter	2	(G) Dry battery AAA. LR03 (alkaline)	2	(L) Installation manual	1
(D) Wireless remote controller	1	(H) Indoor unit fixing screw 3/16" × 1/2" (M4 × 12mm)	2	(M) Screw cover	3

2

## Choosing an Installation Site

- Before choosing the installation site, obtain user approval.

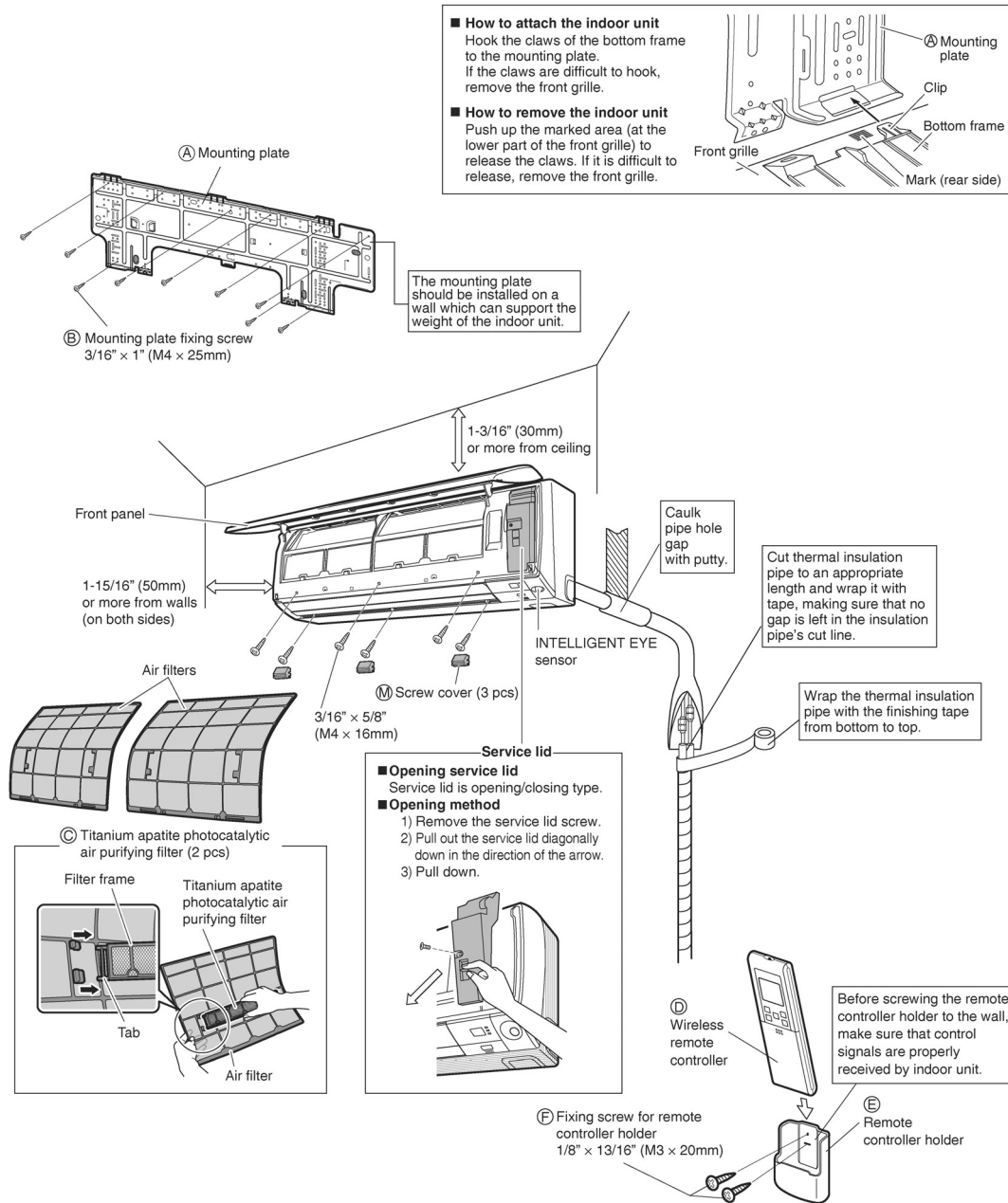
### 1. Indoor unit

- The indoor unit should be sited in a place where:
  - 1) the restrictions on installation specified in the indoor unit installation drawings are met
  - 2) both air inlet and air outlet have clear paths met
  - 3) the unit is not in the path of direct sunlight
  - 4) the unit is away from the source of heat or steam
  - 5) there is no source of machine oil vapor (this may shorten indoor unit life)
  - 6) cool (warm) air is circulated throughout the room
  - 7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range
  - 8) the unit is at least 3.5ft (1m) away from any television or radio set (unit may cause interference with the picture or sound)
  - 9) install at the recommended height 6ft (1.8m)
  - 10) no laundry equipment is located in the space

### 2. Wireless remote controller

- 1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote control signals are properly received by the indoor unit (within 23ft/7m).

# Indoor Unit Installation Drawings



## INTELLECTIVE EYE sensor

### ⚠ CAUTION

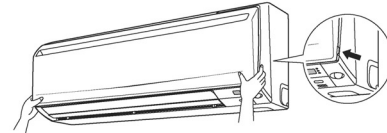
- Do not hit or forcefully push the INTELLECTIVE EYE sensor. This can lead to damage and malfunction.
- Do not place large objects near the sensor. Keep heating units or humidifiers outside the sensor's detection area.

# Preparation before Installation

## 1. Removing and installing front panel

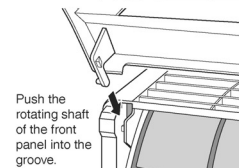
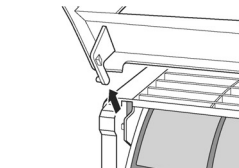
### • Removal method

Hook fingers on the tabs on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



### • Installation method

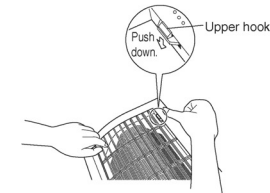
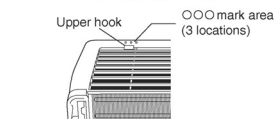
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.



## 2. Removing and installing front grille

### • Removal method

- 1) Remove front panel to remove the air filter.
- 2) Remove 6 screws from the front grille.
- 3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.



## When there is no work space because the unit is close to ceiling

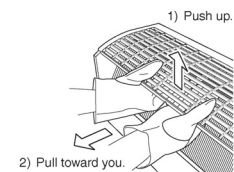
### ⚠ CAUTION

- Be sure to wear protection gloves.

Place both hands under the center of the front grille, and while pushing up, pull it toward you.

### • Installation method

- 1) Install the front grille and firmly engage the upper hooks (3 locations).
- 2) Install 6 screws of the front grille.
- 3) Install the air filter and then mount the front panel.

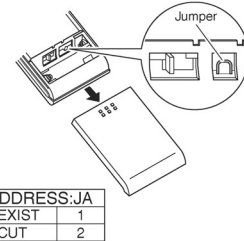
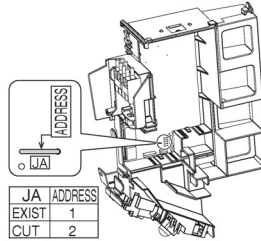




### 3. How to set the different addresses

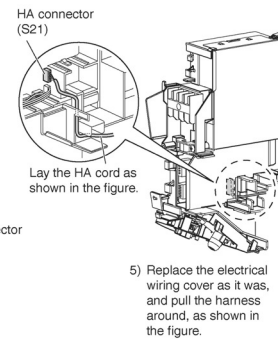
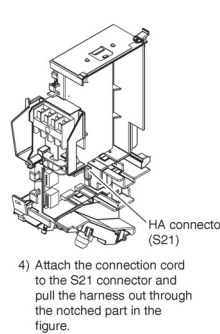
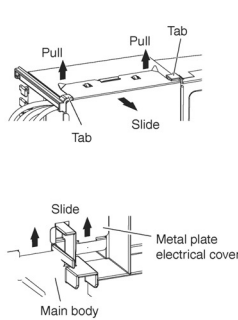
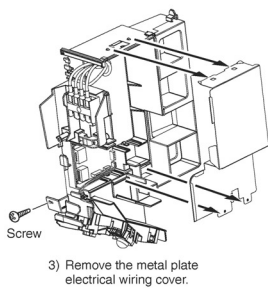
When 2 indoor units are installed in one room, the 2 wireless remote controllers can be set for different addresses.

- 1) Remove the metal plate electrical wiring cover.  
(Refer to the **When connecting to an HA system.**)
- 2) Cut the address jumper (JA) on the printed circuit board.
- 3) Cut the address jumper (JA) in the remote controller.



### 4. When connecting to an HA system (wired remote controller, central remote controller etc.)

- 1) Remove the front grille. (6 screws)
- 2) Remove the electrical wiring box. (1 screw)
- 3) Remove the metal plate electrical wiring cover. (4 tabs)
- 4) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
- 5) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.



## Refrigerant Piping Work

### 1. Flaring the pipe end

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.

(Cut exactly at right angles.) Remove burrs.

Check: The pipe end must be evenly flared in a perfect circle. Make sure that the flare nut is fitted.

Flare's inner surface must be flaw-free.

Set exactly at the position shown below.	Flaring		
	Flare tool for R410A	Conventional flare tool	
	Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)
A	0-0.020 inch (0-0.5mm)	0.039-0.059 inch (1.0-1.5mm)	0.059-0.079 inch (1.5-2.0mm)

#### ⚠ WARNING

- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- Never install a drier to this R410A unit in order to guarantee its lifetime.
- The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

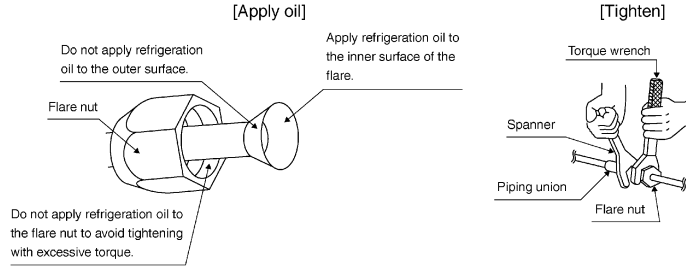
# Refrigerant Piping Work

## 2. Refrigerant piping

### ⚠ CAUTION

- Use the flare nut fixed to the main unit to prevent it from cracking and deteriorating from age.
- To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

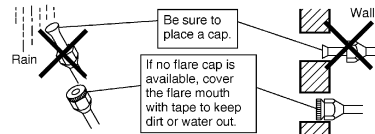
Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque		
Gas side		Liquid side
15, 18 class	24 class	
1/2 inch (12.7mm)	5/8 inch (15.9mm)	1/4 inch (6.4mm)
36.5-44.5ft • lbf (49.5-60.3N • m)	45.6-55.6ft • lbf (61.8-75.4N • m)	10.4-12.7ft • lbf (14.2-17.2N • m)

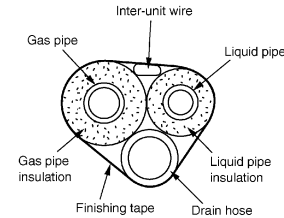
### 2-1. Caution on piping handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.



### 2-2. Selection of copper and heat insulation materials

- When using commercial copper pipes and fittings, observe the following:
- 1) Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030Btu/ft•F (0.035 to 0.045kcal/mh•C))  
Be sure to use insulation that is designed for use with HVAC Systems.



- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side		Liquid side	Gas pipe thermal insulation		Liquid pipe thermal insulation
15, 18 class	24 class		15, 18 class	24 class	
O.D. 1/2 inch (12.7mm)	O.D. 5/8 inch (15.9mm)	O.D. 1/4 inch (6.4mm)	I.D. 9/16-5/8 inch (14-16mm)	I.D. 5/8-25/32 inch (16-20mm)	I.D. 5/16-13/32 inch (8-10mm)
Minimum bend radius			Thickness 13/32 inch (10mm) Min.		
1-9/16 inch (40mm) or more		1-3/16 inch (30mm) or more			
Thickness 0.031 inch (0.8mm) (C1220T-O)					

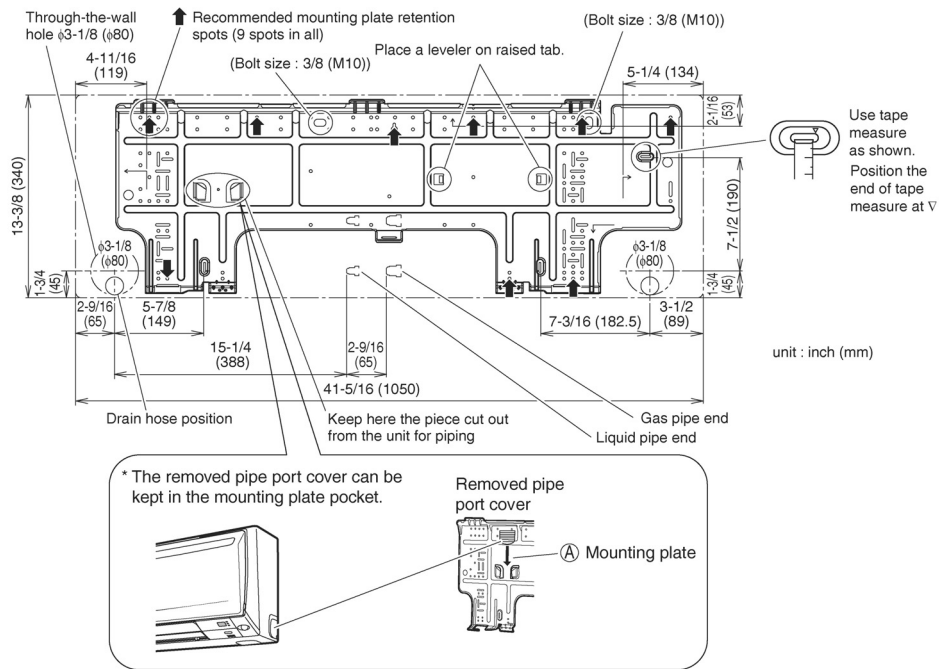
- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

# Indoor Unit Installation

## 1. Installing the mounting plate

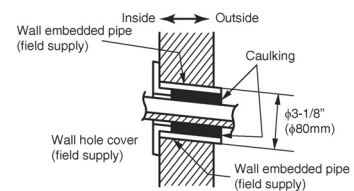
- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
  - Temporarily secure the mounting plate to the wall, make sure that the plate is completely level, and mark the boring points on the wall.
  - Secure the mounting plate to the wall with screws.

### Recommended mounting plate retention spots and dimensions



## 2. Boring a wall hole and installing wall embedded pipe

- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
  - Bore a feed-through hole of 3-1/8 inch (80mm) in the wall so it has a down slope toward the outside.
  - Insert a wall pipe into the hole.
  - Insert a wall cover into wall pipe.
  - After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.

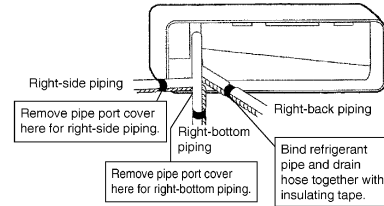


# Indoor Unit Installation

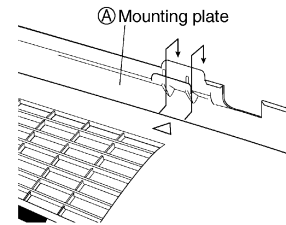
## 3. Laying piping, hoses, and wiring

### 3-1. Right-side, right-back, or right-bottom piping

- 1) Attach the drain hose to the underside of the refrigerant pipes with an adhesive vinyl tape.
- 2) Wrap the refrigerant pipes and drain hose together with insulation tape.

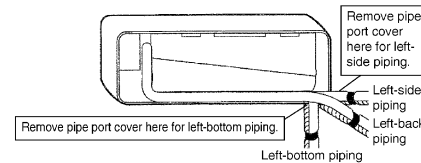


- 3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the  $\Delta$  markings at the top of the indoor unit as a guide.



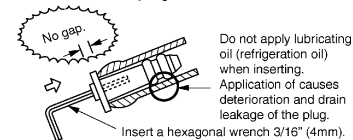
### 3-2. Left-side, left-back, or left-bottom piping

- 1) Replace the drain plug and drain hose.
- 2) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.

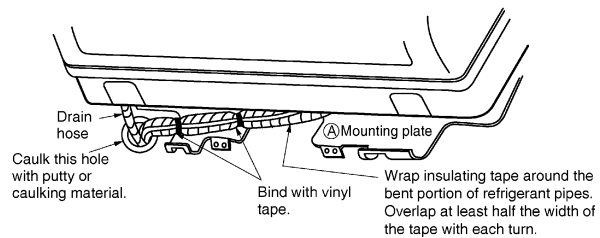


- 3) Be sure to connect the drain hose to the drain port in place of a drain plug.

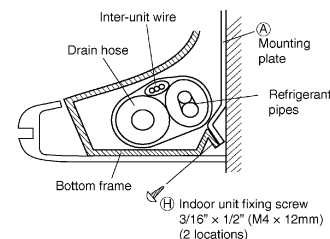
#### How to set drain plug.



- 4) Shape the refrigerant pipes along the pipe path marking on the mounting plate.
- 5) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the  $\Delta$  markings at the top of indoor unit as a guide.
- 6) Pull in the inter-unit wire.
- 7) Connect the inter-unit pipes.

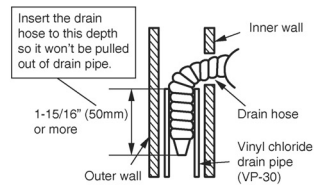


- 8) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
- 9) While exercising care so that the inter-unit wire do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with indoor unit fixing screws  $3/16 \times 1/2$  inch (M4  $\times$  12mm).



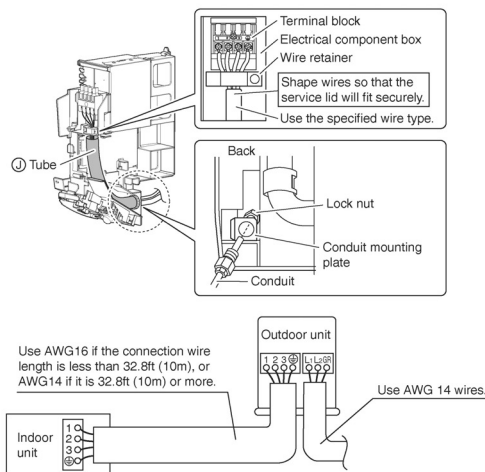
### 3-3. Wall embedded piping

- Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



## 4. Wiring

- 1) As shown in the illustration on the right-hand side, insert the wires including the ground wire into the conduit and secure them with lock nut onto the conduit mounting plate.
- 2) Insert the wires including the ground wire into (J) tube.
- 3) Strip wire ends (9/16 inch (15mm)).
- 4) Match wire colors with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
- 5) Connect the ground wires to the corresponding terminals.
- 6) Pull the wires and check that the wires are securely fixed to the terminal block.
- 7) In case of connecting to an adapter system, run the remote controller cable and attach the S21. (Refer to P5 when connecting to an HA system.)
- 8) Shape the wires so that the service lid fits securely, then close service lid.



### **⚠** WARNING

- Do not use tapped wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.
- When carrying out wiring connection, take care not to pull at the conduit.
- Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

# Indoor Unit Installation

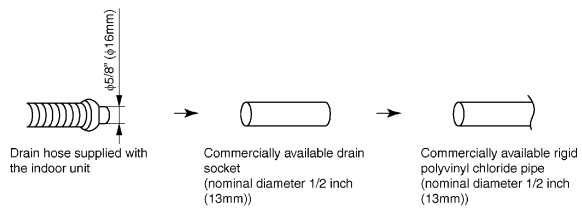
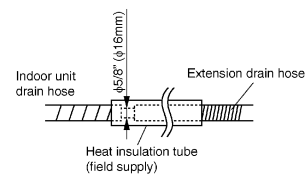
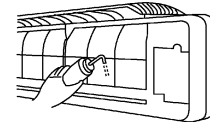
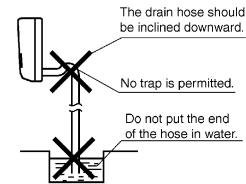
## 5. Drain piping

1) Connect the drain hose, as described right.

2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.

3) When drain hose requires extension, obtain an extension hose commercially available.  
Be sure to thermally insulate the indoor section of the extension hose.

4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 1/2 inch (13mm)) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 1/2 inch (13mm)) as a joint.



# Trial Operation and Testing

## 1. Trial operation and testing

1-1 Measure the supply voltage and make sure that it falls in the specified range.

1-2 Trial operation should be carried out in either cooling or heating mode.

- In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

1) Trial operation may be disabled in either mode depending on the room temperature.

Use the remote controller for trial operation as described below.

2) After trial operation is complete, set the temperature to a normal level (78°F to 82°F (26°C to 28°C) in cooling mode, 68°F to 75°F (20°C to 24°C) in heating mode).

3) For protection, the system disables restart operation for 3 minutes after it is turned off.

1-3 Carry out the test operation in accordance with the operation manual to ensure that all functions and parts, such as fin movement, are working properly.

- The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.

- If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

### Trial operation from remote controller

1) Press "ON/OFF" button to turn on the system.

2) Press "TEMP" button (2 locations) and "MODE" button at the same time.

3) Press "MODE" button twice.

(" ? " will appear on the display to indicate that trial operation mode is selected.)





















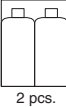



4) Trial operation terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press "ON/OFF" button.

## 2. Test items

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for inter-unit wiring.	Inoperative or burn damage	
Indoor or outdoor unit's air inlet or air outlet has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote control commands.	Inoperative	
The heat pump or cooling only mode is selectable with the DIP switch of the remote controller.	Remote controller malfunctioning	

1.4 FDXS09/12LVJU, CDXS15/18LVJU

# Accessories

Clamp metal	Insulation for fitting	Sealing pad			Drain hose	Washer for hanger bracket	Sealing material	Clamp	Washer fixing plate	Screws for duct flanges
1 pc.	1 each	Large and small 1 each	3 pcs. (only for CDXS)	1 pc.	1 pc.	8 pcs.	2 pcs.	6 pcs.	1 set	1 set
	 for gas pipe  for liquid pipe	 Large  Small	 2 large  1 small Stored in outlet vent	 Hanger (right) insulation				 One is spare	 4 pcs.	 24 pcs.
Conduit mounting plate	Screws for conduit mounting plate	Insulation tube	Air filter	Wireless remote controller	Remote controller holder	Dry battery AAA, LR03 (alkaline)	Receiver kit			
1 pc.	2 pcs.	1 pc.	1 pc.	1 pc.	1 pc.	1 set	1 pc.	1 pc.	2 pcs.	
						 2 pcs.	 Mounting frame	 Decorative cover	 Screws M4 x 25	
[ Other ]	• Operation manual		• Installation manual							

2



# Choosing an Installation Site

- Before choosing the installation site, obtain user approval.

## 1. Indoor unit

### ⚠ CAUTION

- When moving the unit during or after unpacking, make sure to lift it by holding its lifting lugs. Do not exert any pressure on other parts, especially the refrigerant piping, drain piping and flange parts. Wear protective gear (such as gloves) when installing the unit.
- If you think the humidity inside the ceiling might exceed 86°F (30°C) and RH80%, reinforce the insulation on the unit body. Use glass wool or polyethylene foam as insulation so that the thickness is more than 0.4in (10mm) and fits inside the ceiling opening.

- Optimum air distribution is ensured.
- The air passage is not blocked.
- Condensate can drain properly.
- The ceiling is strong enough to bear the weight of the indoor unit.
- A false ceiling does not seem to be at an incline.
- Sufficient clearance for maintenance and servicing is ensured.
- Piping between the indoor and outdoor units is within the allowable limits. (Refer to the installation manual for the outdoor unit.)
- The indoor unit, outdoor unit, power supply wiring and transmission wiring is at least 3.3ft (1m) away from televisions and radios. This prevents image interference and noise in electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if a 3.3ft (1m) allowance is maintained.)

- **Use suspension bolts to install the unit. Check whether or not the ceiling is strong enough to support the weight of the unit. If there is a risk that the ceiling is not strong enough, reinforce the ceiling before installing the unit.**

(Installation pitch is marked on the carton box for installation. Refer to it to check for points requiring reinforcing.) Select the "H" dimension such that a downward slope of at least 1/100 is ensured as indicated in "Drain Piping Work".

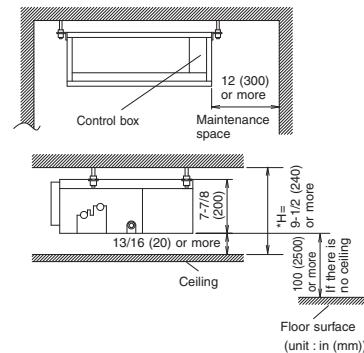
- The installation pitch is listed on the packing material, and should be checked when deciding whether to reinforce the location or not.

- **Select the signal receiver mounting location according to the following conditions:**

- Install the signal receiver, which has a built-in temperature sensor, near the intake vent where there is convection of air and it can get an accurate reading of the room's temperature. If the intake vent is in another room or the unit cannot be installed near the intake vent for any other reason, install it 5ft (1.5m) above the floor on a wall where there is convection.
- In order to get an accurate reading of the room's temperature, install the signal receiver in a location where it is not exposed directly to cold or hot air from the air discharge grille or to direct sunlight.
- Since the receiver has a built-in light receptor to receive signals from the wireless remote controller, do not mount it in a location where the signal may be blocked by a curtain, etc.

### ⚠ CAUTION

If the signal receiver is not installed in a location where there is convection of air, it may be unable to get an accurate reading of the room's temperature.



Air outlet grille:  
Wooden or plastic grille is recommended because condensation may occur depending on humidity conditions.



# Choosing an Installation Site

## 2. Wireless remote controller

- Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 13ft (4m)).

## 3. Outdoor unit

- For outdoor unit installation, see the installation manual supplied with the outdoor unit.

# Preparations before Installation

### ■ Relation of the unit to the suspension bolt positions.

- Install the inspection opening on the control box side where maintenance and inspection of the control box are easy. Install the inspection opening also in the lower part of the unit.

### ■ Make sure the range of the unit's external static pressure is not exceeded.

(See the technical documentation for the range of the external static pressure setting.)

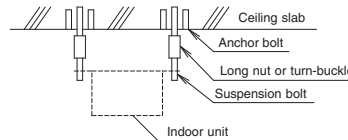
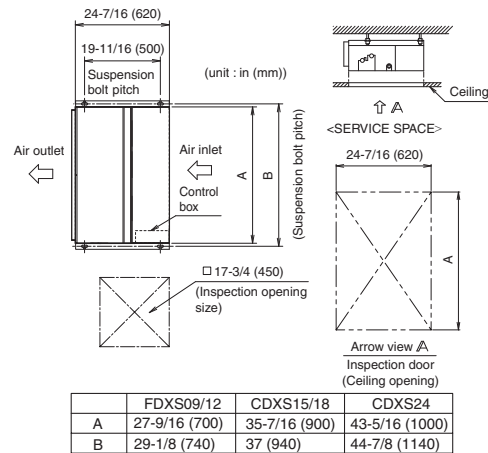
### ■ Open the installation hole. (Pre-set ceilings)

- Once the installation hole is opened in the ceiling where the unit is to be installed, pass refrigerant piping, drain piping, transmission wiring, and remote controller wiring (unnecessary if using a wireless remote controller) to the unit's piping and wiring holes. See "Refrigerant Piping Work", "Drain Piping Work", and "Wiring".
- After opening the ceiling hole, make sure ceiling is level if needed. It might be necessary to reinforce the ceiling frame to prevent shaking. Consult an architect or carpenter for details.

### ■ Install the suspension bolts.

(Use W3/8 to M10 suspension bolts.)

- Use a hole-in-anchor, sunken insert, sunken anchor for existing ceilings, and a sunken insert, sunken anchor or other part to be procured in the field to reinforce the ceiling to bearing the weight of the unit. (Refer to Fig.)

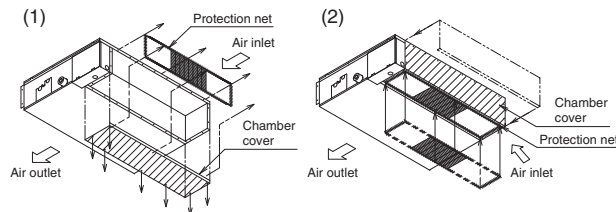


Note: All the above parts are field supplied.

### ■ Mount chamber cover and air filter (accessory).

For bottom intake, replace the chamber cover and the protection net in the procedure listed in Fig.

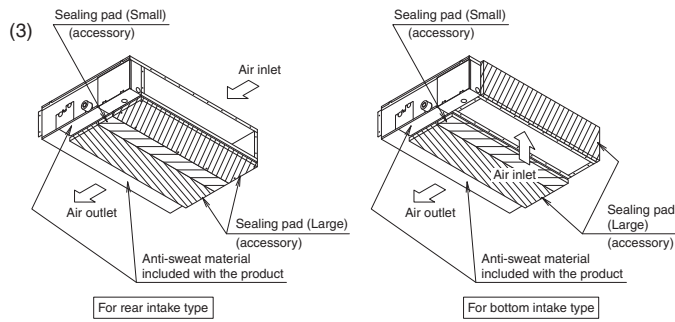
- (1) Remove the protection net. (6 locations)  
Remove the chamber cover. (7 locations)
- (2) Reattach the removed chamber cover in the orientation shown in Fig. (7 locations)  
Reattach the removed protection net in the orientation shown in Fig. (6 locations)  
Refer to Fig. for the direction of the protection net.



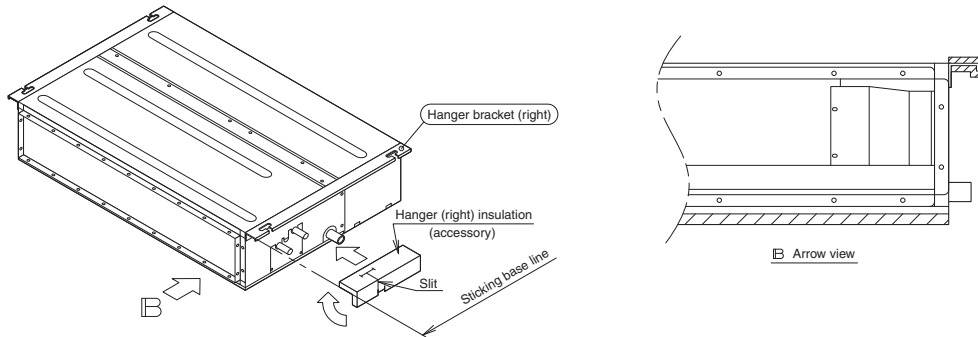
(3) Attach sealing pad as shown in the right figure. (Stored in outlet vent) (only for CDXS)

(In order to take in the air inside the ceiling, and when not taking in air from outdoor air, it is not necessary to stick.)

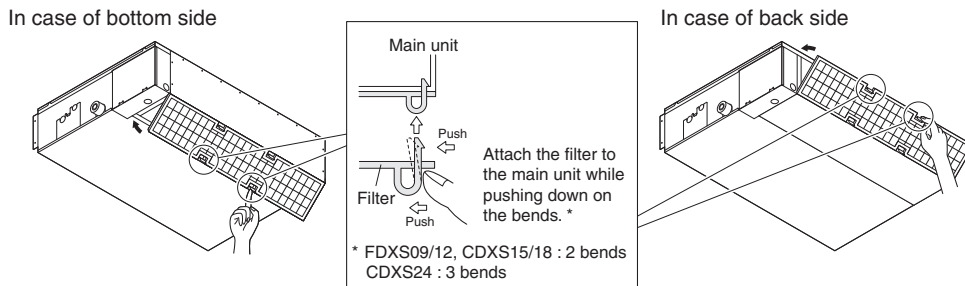
- Attach the sealing pad (accessory) to the plate metal sections which are not covered by anti-sweat material.
- Make sure there are no gaps between the different pieces of sealing pad.



(4) Attach the hanger (right) insulation to the right hanger. (Stored in outlet vent) (See the below figure for the sticking base line.)



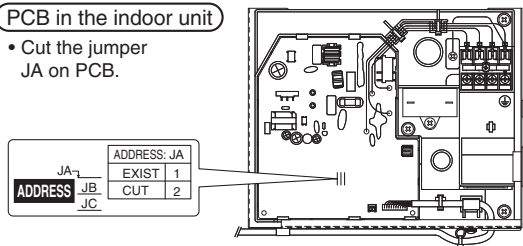
(5) Attach the air filter (accessory) in the manner shown in the diagram.



■ When two indoor units are installed in one room, one of the two wireless remote controllers can be easily set for another addresses.

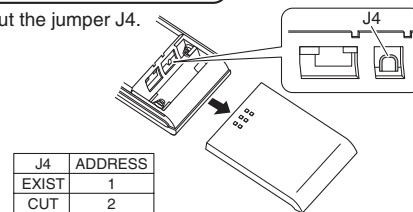
PCB in the indoor unit

- Cut the jumper JA on PCB.



Wireless remote controller

- Cut the jumper J4.



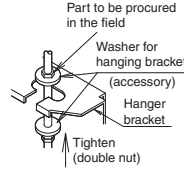
# Indoor Unit Installation

<< As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by our company. >>

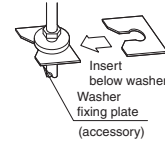
■ **Install the indoor unit temporarily.**

- Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer from the upper and lower sides of the hanger bracket. (Refer to Fig.)

[ Securing the hanger bracket ]



[ How to secure washers ]

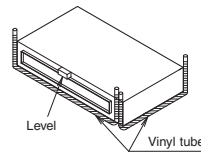


[ PRECAUTION ]

Since the unit uses a plastic drain pan, prevent welding spatter and other foreign substances from entering the outlet hole during installation.

■ **Adjust the height of the unit.**

■ **Check the unit is horizontally level.**



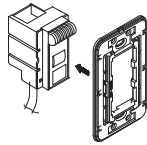
**CAUTION**

- Make sure the unit is installed level using a level or a plastic tube filled with water. In using a plastic tube instead of a level, adjust the top surface of the unit to the surface of the water at both ends of the plastic tube and adjust the unit horizontally. (One thing to watch out for in particular is if it is installed so that the slope is not in the direction of the drain piping, as this might cause leaking.)

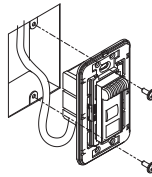
■ **Tighten the upper nut.**

■ **Mounting the receiver.**

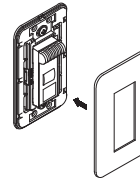
Mount the receiver as shown below.



① Press the receiver into the mounting frame.



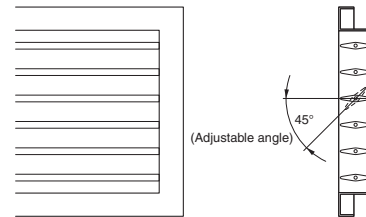
② Mount the completed assembly using two screws.



③ Press the decorative cover into the mounting frame.

Note) Mount the Remote controller cord far enough away from strong electrical wires (such as distribution wires for electrical lights, air conditioners, etc.) and from weak electrical wires (such as wires for telephones, intercoms, etc.).

For heat pump: If your feet feel cold when using the heating function, it is recommended that the air outlet grille shown at below be attached.



# Outdoor unit Installation

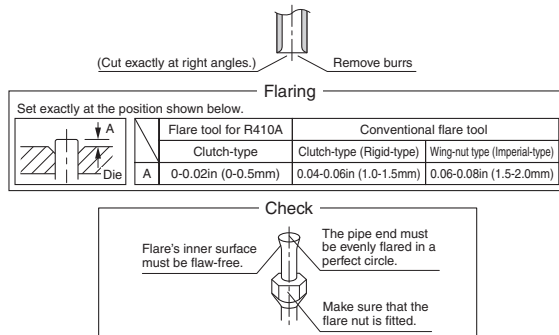
Install as described in the installation manual supplied with the outdoor unit.

# Refrigerant Piping Work

See the installation manual supplied with the outdoor unit.

## 1. Flaring the pipe end

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.



### ⚠ WARNING

- Do not use mineral oil on flared part.
  - Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
  - Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
  - Never install a drier to this R410A unit in order to guarantee its lifetime.
  - The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

## 2. Refrigerant piping

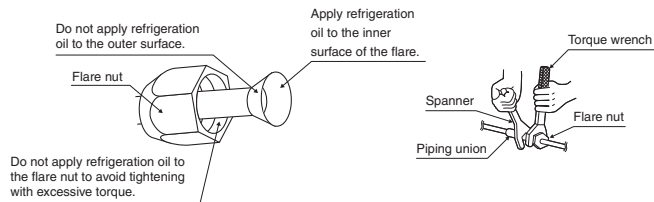
- 1) To prevent gas leakage, apply refrigeration machine oil to the inner surface of the flare. (Use refrigeration oil for R410A)
- 2) Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
  - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque			
Gas side		Liquid side	
3/8 inch (9.5mm)	1/2 inch (12.7mm)	5/8 inch (15.9mm)	1/4 inch (6.4mm)
24.1-29.4ft•lbf (32.7-39.9N•m)	36.5-44.5ft•lbf (49.5-60.3N•m)	45.6-55.6ft•lbf (61.8-75.4N•m)	10.4-12.7ft•lbf (14.2-17.2N•m)

### ⚠ CAUTION

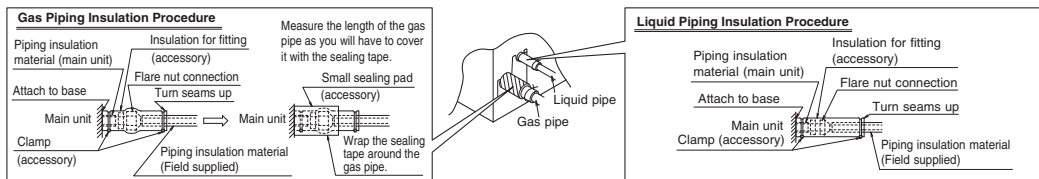
- Overtightening may damage the flare and cause leaks.

- 3) After the work is finished, make sure to check that there is no gas leak.



- 4) After checking for gas leaks, be sure to insulate the pipe connections.

- Insulate using the insulation for fitting included with the liquid and gas pipes. Besides, make sure the insulation for fitting on the liquid and gas piping has its seams facing up. (Tighten both edges with clamp.)
- For the gas piping, wrap the medium sealing pad over the insulation for fitting (flare nut part).



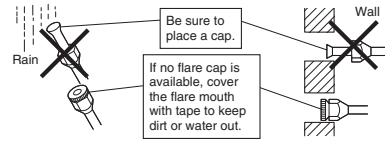
# Refrigerant Piping Work

## ⚠ CAUTION

Be sure to insulate any field piping all the way to the piping connection inside the unit. Any exposed piping may cause condensation or burns if touched.

### Cautions on Pipe Handling

- Protect the open end of the pipe against dust and moisture. (Tighten both edges with clamp.)
- All pipe bends should be as gentle as possible. Use a pipe bender for bending. (See the minimum bend radius in the table below.)



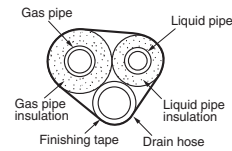
### Selection of Copper and Heat Insulation materials

When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030Btu/fth°F (0.035 to 0.045kcal/mh°C))  
Be sure to use insulation that is designed for use with HVAC Systems.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side			Liquid side	Gas pipe thermal insulation			Liquid pipe thermal insulation
O.D. 3/8 inch (9.5mm)	O.D. 1/2 inch (12.7mm)	O.D. 5/8 inch (15.9mm)	O.D. 1/4 inch (6.4mm)	I.D. 15/32-19/32 inch (12-15mm)	I.D. 9/16-5/8 inch (14-16mm)	I.D. 5/8-25/32 inch (16-20mm)	I.D. 5/16-13/32 inch (8-10mm)
Minimum bend radius				Thickness 13/32 inch (10mm) Min.			
1-3/16 inch (30mm) or more	1-9/16 inch (40mm) or more	1-15/16 inch (50mm) or more	1-3/16 inch (30mm) or more				
Thickness 0.031 inch (0.8mm) (C1220T-O)		Thickness 0.039 inch (1.0mm) (C1220T-O)	Thickness 0.031 inch (0.8mm) (C1220T-O)				

- Also, when subject to high humidity, heat insulation of the refrigerant piping (the unit piping and branch piping) must be further reinforced.  
Reinforce the insulation when installing the unit near bathrooms, kitchens, and other similar locations.  
Refer to the following:
- 86°F (30°C), more than 75% RH: 13/16 inch (20mm) Min. in thickness
- If the insulation is not sufficient, condensation may form on the surface of the insulation.
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.



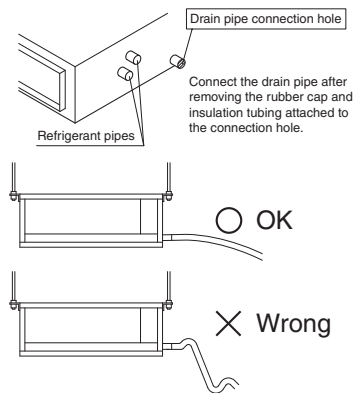
# Drain Piping Work

## ⚠ CAUTION

Make sure all water is out before making the duct connection.

### ■ Install the drain piping.

- Make sure the drain works properly.
- The diameter of the drain pipe should be greater than or equal to the diameter of the connecting pipe (vinyl tube; pipe size: 25/32 inch (20mm); outer dimension: 1-1/32 inch (26mm)).
- Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air pockets from forming.

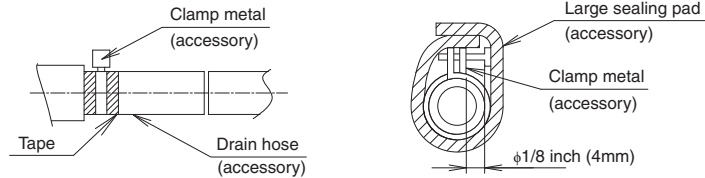


**⚠ CAUTION**

- Water accumulating in the drain piping can cause the drain to clog.

- To keep the drain tube from sagging, space hanging wires every 3 (1) to 5ft (1.5m).
- Use the drain hose and the metal clamp. Insert the drain hose fully into the drain socket and firmly tighten the metal clamp with the upper part of the tape on the hose end. Tighten the metal clamp until the screw head is less than 1/8 inch (4mm) from the hose.
- The two areas below should be insulated because condensation may form there causing water to leak.
  - Drain piping passing indoors
  - Drain sockets

Referring the figure below, insulate the metal clamp and drain hose using the included large sealing pad.



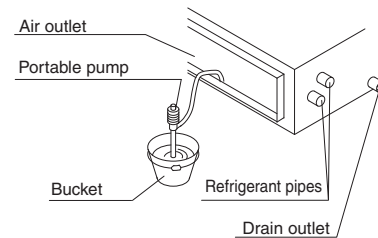
**<PRECAUTIONS>**

**Drain piping connections**

- Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
- Do not twist or bend the drain hose, so that excessive force is not applied to it. (This type of treatment may cause leaking.)

**■ After piping work is finished, check drainage flows smoothly.**

- Gradually insert approximately 1L of water into the drain pan to check drainage in the manner described below.
  - Gradually pour approximately 1L of water from the outlet hole into the drain pan to check drainage.
  - Check the drainage.



# Installing the Duct

Connect the duct supplied in the field.

**Air inlet side**

- Attach the duct and intake-side flange (field supply).
- Connect the flange to the main unit with accessory screws (in 16, 20 or 24 positions).
- Wrap the intake-side flange and duct connection area with aluminum tape or something similar to prevent air escaping.

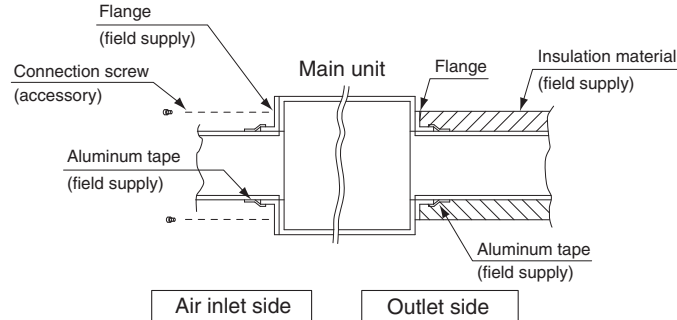
**⚠ CAUTION**

- When attaching a duct to the intake side, be sure also to attach an air filter inside the air passage on the intake side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.)

# Installing the Duct

## Outlet side

- Connect the duct according to the inside of the outlet-side flange.
- Wrap the outlet-side flange and the duct connection area with aluminum tape or something similar to prevent air escaping.



### CAUTION

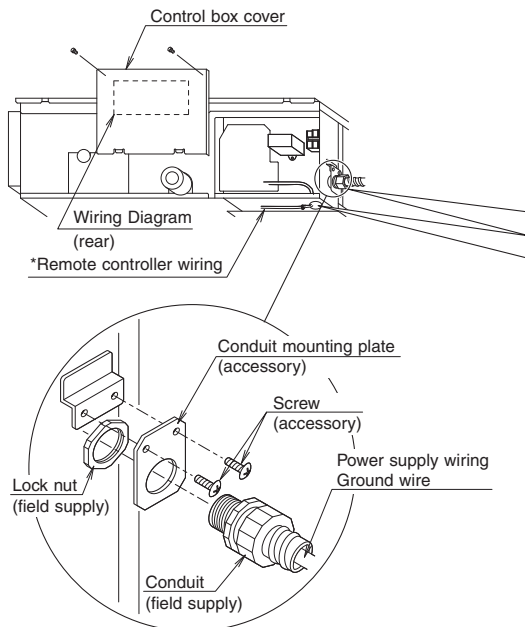
- Be sure to insulate the duct to prevent condensation from forming. (Material: glass wool or polyethylene foam, 1 inch (25mm) thick)
- Use electric insulation between the duct and the wall when using metal ducts to pass metal laths of the net or fence shape or metal plating into wooden buildings.

# Wiring

See the installation manual supplied with the outdoor unit.

## HOW TO CONNECT WIRINGS.

- Wire only after removing the control box cover as shown in the Fig.



⚠ • Wrap the power supply wiring and the remote controller wiring with the sealing material as shown in the figure below. (Otherwise, moisture or small creatures such as insects from the outside may cause short-circuit inside the control box.) Attach securely so that there are no gaps.

[How to adhere it]



**⚠ CAUTION**

- When doing the wiring, make sure the wiring is neat and does not cause the control box cover to stick up, then close the cover firmly. When attaching the control box cover, make sure you do not pinch any wires.
- Outside the unit, separate the low voltage wiring (remote controller wiring) and high voltage wiring (ground wire and power supply wiring) at least 5in so that they do not pass through the same place together. Proximity may cause electrical interference, malfunctions, and breakage.

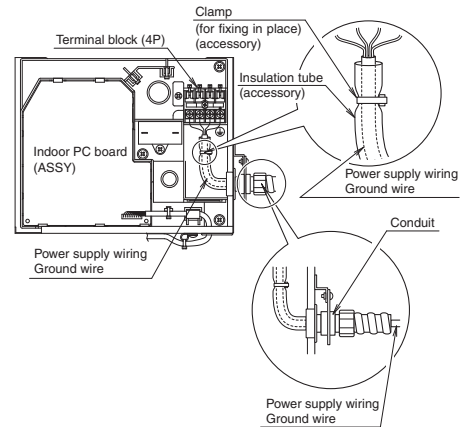
[ PRECAUTION ]

- See also the “Electrical Wiring Diagram Label” when wiring the unit for power supply.

[ Connecting electrical wiring ]

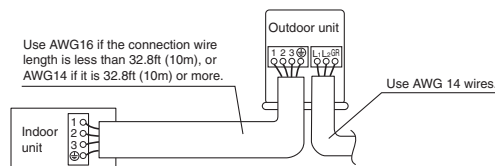
• **Power supply wiring and ground wire**

Remove the control box cover.  
 Next, pull the wires into the unit through the conduit and thread them through the insulation tube (accessory), then connect to the power wiring terminal block (4P).  
 Secure the wires covered by the insulation tube with the clamp (accessory).  
 Be sure to put the part of the sheathed vinyl into the control box.



**⚠ WARNING**

- Do not use tapped wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.



# Trial Operation and Testing

## 1. Trial operation and testing

- (1) Measure the supply voltage and make sure that it falls in the specified range.
- (2) Trial operation should be carried out in either cooling or heating mode.

Trial operation from remote controller
(1) Press ON/OFF button to turn on the system.
(2) Simultaneously press center of TEMP button and MODE button.
(3) Press MODE button twice. (“ 7 ” will appear on the display to indicate that Trial Operation mode is selected.)
(4) Trial operation mode terminates in approx. 30 minutes and switches into normal mode. To quit the trial operation, press ON/OFF button.

In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

- Trial operation may be disabled in either mode depending on the room temperature.
- After trial operation is complete, set the temperature to a normal level (79°F (26°C) to 82°F (28°C) in cooling mode, 68°F (20°C) to 75°F (24°C) in heating mode).
- For protection, the system disables restart operation for 3 minutes after it is turned off.

- (3) Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.

\* The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.

\* If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is turned on again.

## 2. Test items

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Drain pipe is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air inlet or discharge has clear path of air. Shut-off valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	





## 2. FFQ09/12/15/18LVJU

### Safety Considerations

Read these ***SAFETY CONSIDERATIONS for Installation*** carefully before installing an air conditioner or heat pump. After completing the installation, make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this Installation Manual with the Operation Manual for future reference.

Always use a licensed installer or contractor to install this product. Improper installation can result in water or refrigerant leakage, electrical shock, fire, or explosion.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.

- **Refrigerant gas is heavier than air and replaces oxygen. A massive leak will result in oxygen depletion, especially in basements, and an asphyxiation hazard will result in serious injury or death.**
- **Do not ground units to water pipes, gas pipes, telephone wires, or lightning rods as incomplete grounding will result a severe shock hazard resulting in severe injury or death. Additionally, grounding to gas pipes will result a gas leak and potential explosion resulting in severe injury or death.**
- **If refrigerant gas leaks during installation, ventilate the area immediately. Refrigerant gas will result in producing toxic gas if it comes into contact with fire. Exposure to this gas will result in severe injury or death.**
- **After completing the installation work, check that the refrigerant gas does not leak throughout the system.**
- **Do not install unit in an area where flammable materials are present due to risk of explosions that will result in serious injury or death.**
- **Safely dispose all packing and transportation materials in accordance with federal/state/local laws or ordinances. Packing materials such as nails and other metal or wood parts, including plastic packing materials used for transportation will result in injuries or death by suffocation.**
- **Only qualified personnel must carry out the installation work. Installation must be done in accordance with this installation manual. Improper installation could result in water leakage, electric shock, or fire.**
- **When installing the unit in a small room, take measures to keep the refrigerant concentration from exceeding allowable safety limits. Excessive refrigerant leaks, in the event of an accident in a closed ambient space, could result in oxygen deficiency.**
- **Use only specified accessories and parts for installation work. Failure to use specified parts could result in water leakage, electric shocks, fire, or the unit falling.**
- **Install the air conditioner or heat pump on a foundation strong enough that it can withstand the weight of the unit. A foundation of insufficient strength could result in the unit falling and causing injuries.**
- **Take into account strong winds, typhoons, or earthquakes when installing. Improper installation could result in the unit falling and causing accidents.**
- **Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local, state, and national regulations. An insufficient power supply capacity or improper electrical construction could result in electric shocks or fire.**
- **Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections or installation could result in fire.**
- **When wiring, position the wires so that the terminal box lid can be securely fastened. Improper positioning of the terminal box lid could result in electric shocks, fire, or the terminals overheating.**
- **Before touching electrical parts, turn off the unit.**
- **This equipment can be installed with a Ground-Fault Circuit Breaker (GFCI). Although this is a recognized measure for additional protection, with the earthing system in North America, a dedicated GFCI is not necessary.**

- Securely fasten the unit terminal cover (panel). If the terminal cover/panel is not installed properly, dust or water may enter the condenser unit and could result in fire or electric shock.
- When installing or relocating the system, keep the refrigerant circuit free from substances other than the specified refrigerant (R-410A) such as air. Any presence of air or other foreign substance in the refrigerant circuit could result in abnormal pressure rise or rupture, resulting in injury.
- Do not change the setting of the protection devices. If the pressure switch, thermal switch, or other protection device is shorted and operated forcibly, or parts other than those specified by Daikin are used, fire or explosion could result.
- Do not touch the switch with wet fingers. Touching a switch with wet fingers may result in electric shock.
- Do not allow children to play on or around the unit or it may result in injury.
- The heat exchanger fins are sharp enough to cut, and may result in injury if improperly used. To avoid injury wear gloves or cover the fins while working around them.
- Do not touch the refrigerant pipes during and immediately after operation as the refrigerant pipes may be hot or cold, depending on the condition of the refrigerant flowing through the refrigerant piping, compressor, and other refrigerant cycle parts. It may result in your hands getting burns or frostbite if you touch the refrigerant pipes. To avoid injury, give the pipes time to return to normal temperature or, if you must touch them, be sure to wear proper gloves.
- Install drain piping to proper drainage. Improper drain piping may result in water leakage and property damage.
- Insulate piping to prevent condensation.
- Be careful when transporting the product.
- Do not turn off the power immediately after stopping operation. Always wait for at least 5 minutes before turning off the power. Otherwise, water leakage may result.
- Do not use a charging cylinder. Using a charging cylinder may cause the refrigerant to deteriorate.
- Refrigerant R-410A in the system must be kept clean, dry, and tight.
  - (a) Clean and Dry -- Foreign materials (including mineral oils such as SUNISO oil or moisture) should be prevented from getting into the system.
  - (b) Tight -- R-410A does not contain any chlorine, does not destroy the ozone layer, and does not reduce the earth's protection against harmful ultraviolet radiation. R-410A can contribute to the greenhouse effect if it is released. Therefore take proper measures to check for the tightness of the refrigerant piping installation. Read the chapter *Refrigerant Piping* and follow the procedures.
- Since R-410A is a blend, the required additional refrigerant must be charged in its liquid state. If the refrigerant is charged in a state of gas, its composition can change and the system will not work properly.
- The indoor unit is for R-410A. See the catalog for indoor models that can be connected. Normal operation is not possible when connected to other units.
- Remote controller (wireless kit) transmitting distance can be shorter than expected in rooms with electronic fluorescent lamps (inverter or rapid start types). Install the indoor unit far away from fluorescent lamps as much as possible.
- Indoor units are for indoor installation only. Outdoor units can be installed either outdoors or indoors. This unit is for indoor use.
- Do not install the air conditioner or heat pump in the following locations:
  - (a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen. Plastic parts may deteriorate and fall off and thus may result in water leakage.
  - (b) Where corrosive gas, such as sulfurous acid gas, is produced. Corroding copper pipes or soldered parts may result in refrigerant leakage.
  - (c) Near machinery emitting electromagnetic waves. Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
  - (d) Where flammable gas may leak, where there is carbon fiber, or ignitable dust suspension in the air, or where volatile flammables such as thinner or gasoline are handled. Operating the unit in such conditions may result in a fire.
- Take adequate measures to prevent the condenser unit from being used as a shelter by small animals. Small animals making contact with electrical parts may result in malfunctions, smoke, or fire. Instruct the customer to keep the area around the unit clean.
- Install the power supply and control wires for the indoor and outdoor units at least 3.5 feet away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 feet may not be sufficient to eliminate the noise.
- Dismantling the unit, treatment of the refrigerant, oil and additional parts must be done in accordance with the relevant local, state, and national regulations.
- Do not use the following tools that are used with conventional refrigerants: gauge manifold, charge

hose, gas leak detector, reverse flow check valve, refrigerant charge base, vacuum gauge, or refrigerant recovery equipment.

- If the conventional refrigerant and refrigerator oil are mixed in R-410A, the refrigerant may result in deterioration.
- This air conditioner or heat pump is an appliance that should not be accessible to the general public.
- As design pressure is 478 psi, the wall thickness of field-installed pipes should be selected in accordance with the relevant local, state, and national regulations.

## Before Installation:

**Do not exert pressure on the resin parts when opening the unit or when moving it after opening. Be sure to check the type of R410A refrigerant to be used before doing any work. (Using an incorrect refrigerant will prevent normal operation of the unit.)**








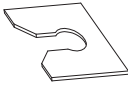



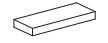
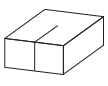
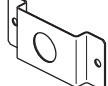

- When opening the unit or moving it after opening, be sure to lift it by holding on to the hanger brackets without exerting any pressure on other parts, especially, drain piping, and other resin parts.
- Decide upon a line of transport.
- Leave the unit inside its packaging while moving, until reaching the installation site. Use a sling of soft material, where unpacking is unavoidable or protective plates together with a sling when lifting, to avoid damage or scratches to the unit.
- **Especially, do not unfasten packing case (top) guarding the control box until suspending the unit.**
- Refer to the installation manual of the outdoor unit for items not described in this manual.
- Do not dispose of any parts necessary for installation until the installation is complete.

### 2-1 SAFETY PRECAUTIONS

- Be sure to read this manual before installing the indoor unit.
- When selecting installation site, refer to the paper pattern.
- This unit is suitable for installation in a household, commercial and light industrial environment.
- Do not install or operate the unit in rooms mentioned below.
  - Laden with mineral oil, or filled with oil vapor or spray like in kitchens. (Plastic parts may deteriorate.)
  - Where corrosive gas like sulfurous gas exists. (Copper tubing and brazed spots may corrode.)
  - Where volatile flammable gas like thinner or gasoline is used.
  - Where machines can generate electromagnetic waves. (Control system may malfunction.)
  - Where the air contains high levels of salt such as that near the ocean and where voltage fluctuates greatly such as that in factories. Also in vehicles or vessels.

### 2-2 ACCESSORIES

Check the following accessories are included with your unit.

Name	(1) Drain hose	(2) Metal clamp	(3) Washer for hanger bracket	(4) Clamp		(5) Paper pattern for installation	(6) Screws (M5)
Quantity	1 pc.	1 pc.	8 pcs.	(Big) 6 pcs.	(Small) 1 pc.	1 pc.	4 pcs.
Shape						Also used as packing material 	For paper pattern for installation 
Name	(7) Washer fixing plate	Insulation for fitting	Sealing pad	(12) Sealing material	(13) Conduit mounting plate	(14) Screws (M4)	(Other) • Operation manual • Installation manual
Quantity	4 pcs.	1 each	1 each	2 pcs.	1pc.	2pcs.	
Shape		(8) For gas pipe  (9) For liquid pipe 	(10) Large  (11) Small 				

### 2-3 OPTIONAL ACCESSORIES

- The optional decoration panel and remote controller are required for this indoor unit. (Refer to Table 1 and 2)

Table 1

Model	Optional decoration panel
FFQ09-12-15-18LVJU	BYFQ60B8W1U
	Color : White

- These are two types of remote controllers: wired and wireless. Select a remote controller from Table 2 according to customer request and install in an appropriate place.

Table 2

Remote controller type	Heat Pump type
Wired type	BRC1E71-72
Wireless type	BRC7E830

**NOTE** 

- If you wish to use a remote controller that is not listed in Table 2, select a suitable remote controller after consulting catalogs and technical materials.

**FOR THE FOLLOWING ITEMS, TAKE SPECIAL CARE DURING CONSTRUCTION AND CHECK AFTER INSTALLATION IS FINISHED.**

**a. Items to be checked after completion of work**

Items to be checked	If not properly done, what is likely to occur	Check
Are the indoor and outdoor unit fixed firmly?	The units may drop, vibrate or make noise.	
Is the outdoor unit fully installed?	The unit may malfunction or the components burn out.	
Is the gas leak test finished?	It may result in insufficient cooling and heating.	
Is the unit fully insulated?	Condensate water may drip.	
Does drainage flow smoothly?	Condensate water may drip.	
Does the power supply voltage correspond to that shown on the name plate?	The unit may malfunction or the components burn out.	
Are wiring and piping correct?	The unit may malfunction or the components burn out.	
Is the unit safely grounded?	Dangerous at electric leakage.	
Is wiring size according to specifications?	The unit may malfunction or the components burn out.	
Is something blocking the air outlet or inlet of either the indoor or outdoor units?	It may result in insufficient cooling and heating.	
Are refrigerant piping length and additional refrigerant charge noted down?	The refrigerant charge in the system is not clear.	

**b. Items to be checked at time of delivery**

Also review the **Safety Considerations**.

Items to be checked	Check
Are the control box cover, air filter, suction grille attached?	
Did you explain about operations while showing the operation manual to your customer?	
Did you hand the operation manual over to your customer?	

**c. Points for explanation about operations**

The items with  $\triangle$  WARNING and  $\triangle$  CAUTION marks in the operation manual are the items pertaining to possibilities for bodily injury and material damage in addition to the general usage of the product. Accordingly, it is necessary that you make a full explanation about the described contents and also ask your customers to read the operation manual.

**2-4 NOTE TO THE INSTALLER**

Be sure to instruct customers how to properly operate the unit (especially cleaning the filter, operating different functions, and adjusting the temperature) by having them carry out operations while looking at the manual.

**3. SELECTING INSTALLATION SITE**

<Hold the unit by the 4 hanger brackets when opening the box and moving it, and do not exert pressure on to any other part, piping (refrigerant, drain, etc.), or plastic parts.

If the temperature or humidity inside the ceiling might rise above 86°F or RH 80%, respectively, add extra insulation to the main unit body.

Use glass wool or polyethylene foam as insulation and make sure it is at least 3/8 in. thick and fits inside the ceiling opening.>



The direction this product directs air can be selected. However, a separately sold sealing material kit is needed in order to make the unit direct air in two, three, or four (corner shut-off) directions.

**(1) Select an installation location with the customer’s approval which matches the following conditions.**

- A location from which cool (warm) air will reach the whole room.
- A location with no objects blocking the air passage.
- A location where drainage can be done with no problem.
- A location strong enough to support the weight of the indoor unit.
- A location where the wall is not significantly tilted.
- A location which leaves enough room for installation and service work.
- A location where there is no risk of flammable gas leaking.
- A location where the length of the indoor-outdoor piping is no longer than the tolerated length (see the installation manual that came with the outdoor unit for details).

[Space required for installation] (in.)

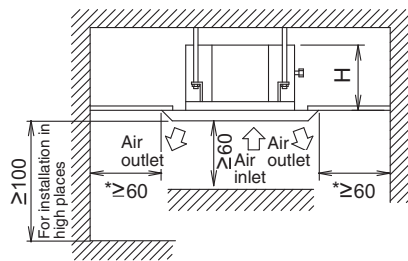


Fig. 1

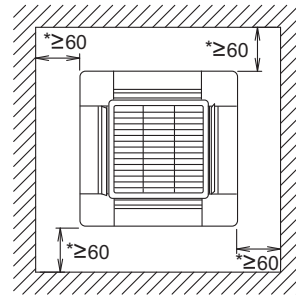


Fig. 2

**NOTE**

- Leave 8 in. or more space where marked with the \*, on sides where the air outlet is closed.

Model	H
FFQ09-12-15-18LVJU	11-1/4(Confirm the space of 11-5/8 or more)

**CAUTION**

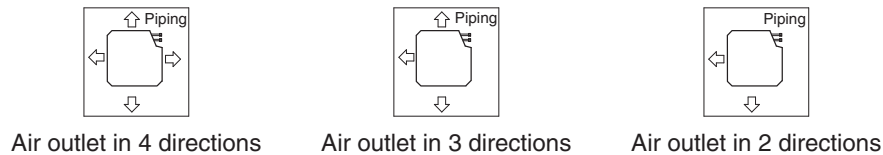
- Install the indoor and outdoor units, power supply and transmission wiring at least 40 in. away from televisions or radios in order to prevent image interference or noise. (Depending on the radio waves, a distance of 40 in. may not be sufficient enough to eliminate the noise.)

**(2) Air flow direction**

The air direction shown is an example.

Select the appropriate number of directions according to the shape of the room and the location of the unit. (Field settings have to be made using the remote controller and the outlet vents have to be shut off if two, three, or four (corner shut-off) directions are selected. See the sealing materials (sold separately) installation manual for details.)

[Air flow direction] (Example)



- (3) Use suspension bolts for installation. Check whether the ceiling is strong enough to support the weight of the unit or not. If there is a risk, reinforce the ceiling before installing the unit. (Installation pitch is marked on the paper pattern for installation. Refer to it to check for points requiring reinforcing.)

**4. PREPARATIONS BEFORE INSTALLATION**

- (1) Relation of ceiling opening to unit and suspension bolt position.

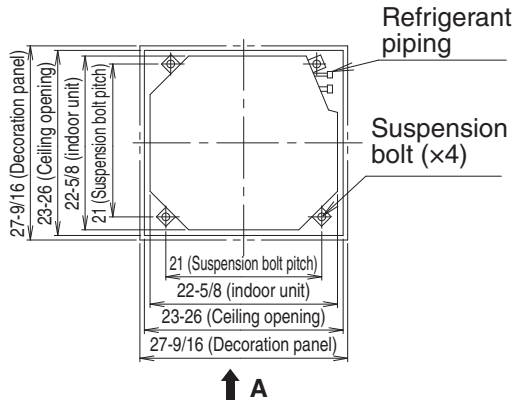


Fig. 3

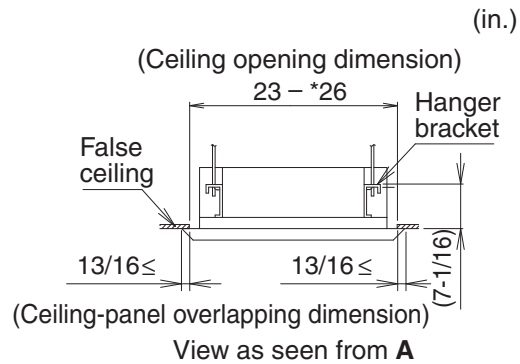


Fig. 4

**NOTE**

- Installation is possible with a ceiling dimension of 26 in. (marked with \*). However, to achieve a ceiling-panel overlapping dimension of 13/16 in., the spacing between the ceiling and the unit should be 1-3/4 in. or less. If the spacing between ceiling and the unit is over 1-3/4 in., attach ceiling material to part or recover the ceiling.

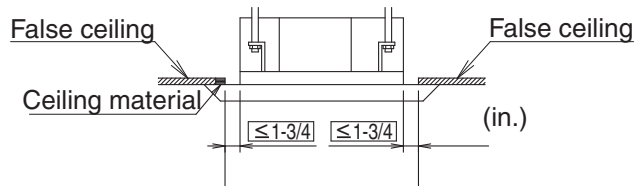


Fig. 5

- (2) Make the ceiling opening needed for installation where applicable. (For existing ceilings)

- Refer to the paper pattern for installation (5) for ceiling opening dimensions.
- Create the ceiling opening required for installation. From the side of the opening to the casing outlet, implement the refrigerant and drain piping and wiring for remote controller (unnecessary for wireless type) and wiring between units. Refer to each PIPING or WIRING section.
- After making an opening in the ceiling, it may be necessary to reinforce ceiling beams to keep the ceiling level and to prevent it from vibrating. Consult the builder for details.

- (3) Install the suspension bolts.

(Use either a M8 - M10 size bolt or the equivalent)  
 Use a hole-in anchor for existing ceilings, and a sunken insert, sunken anchor or other field supplied parts for new ceilings to reinforce the ceiling to bear the weight of the unit.  
 Adjust clearance (2 - 4 in.) from the ceiling before proceeding further.

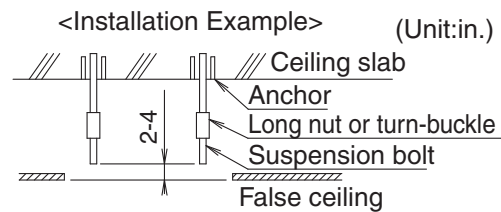


Fig. 6

**NOTE**

- All the above parts are field supplied.

## 5. INDOOR UNIT INSTALLATION

Installing optional accessories (except for the decoration panel) before installing the indoor unit is easier. However, for existing ceilings, install Fresh air intake kit and branch duct before installing the unit.

As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by Daikin.

### (1) For new ceilings

(1-1) Install the indoor unit temporarily.

- Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer (3) from the upper and lower sides of the hanger bracket. The washer fixing plate (7) will prevent the washer from falling.

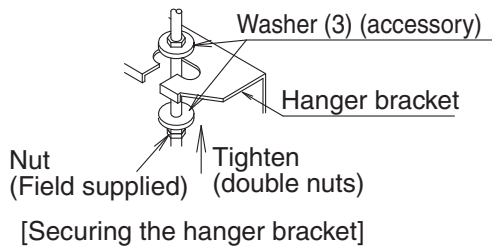


Fig. 7

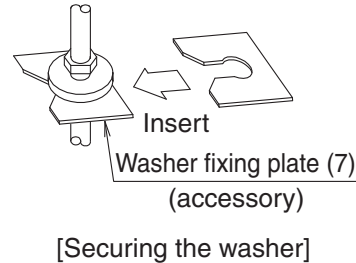


Fig. 8

(1-2) Refer to the paper pattern for installation (5) for ceiling opening dimension.

Consult the builder or carpenter for details.

- The center of the ceiling opening is indicated on the paper pattern for installation.
- The center of the unit is indicated on the paper pattern for installation.
- Fix the paper pattern to the unit with screws (6) (×4).
- Ceiling height is shown on the side of the paper pattern for installation (5). Adjust the height of the unit according to this indication.

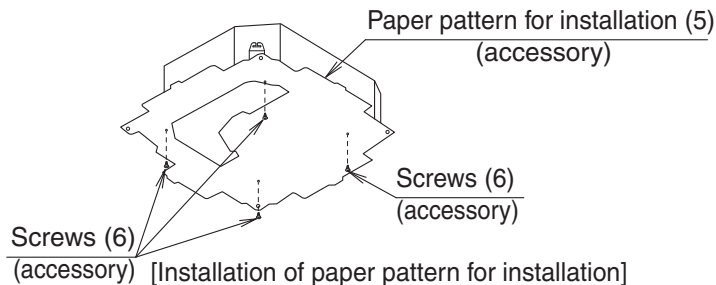


Fig. 9

### <Ceiling work>

(1-3) Adjust the unit to the right position for installation.

(Refer to 4.PREPARATIONS BEFORE INSTALLATION-(1).)

(1-4) Check the unit is horizontally level.

- The indoor unit is equipped with a built-in drain pump and float switch. Verify that it is level by using a water level or a water-filled vinyl tube.

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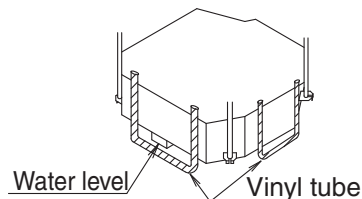
**⚠ CAUTION**


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If the unit is tilted against condensate flow, the float switch may malfunction and cause water to drip.

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- (1-5) Remove the washer fixing plate (7) used for preventing the washer from falling and tighten the upper nut.  
 (1-6) Remove the paper pattern for installation (5).

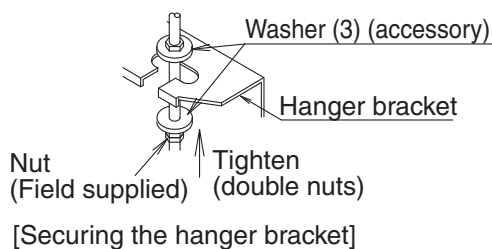


[Maintaining horizontality]

**Fig. 10**

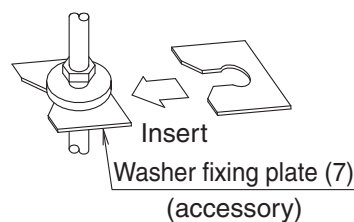
**(2) For existing ceilings**

- (2-1) Install the indoor unit temporarily.
- Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer (3) from the upper and lower sides of hanger bracket. The washer fixing plate (7) will prevent the washer from falling.



[Securing the hanger bracket]

**Fig. 11**



[Securing the washer]

**Fig. 12**

- (2-2) Adjust the height and position of the unit.  
 (Refer to **4. PREPARATIONS BEFORE INSTALLATION-(1).**)  
 (2-3) Perform steps (1-4), (1-5) in (1) for new ceilings.

## 6. REFRIGERANT PIPING WORK

<For refrigerant piping of outdoor units, see the installation manual attached to the outdoor unit.>

<Execute thermal insulation work completely on both sides of the gas and the liquid piping.

Otherwise, a water leakage can result sometimes.>

Be sure to use insulation designed for use with HVAC systems.

<Also, in cases where the temperature and humidity of the refrigerant piping sections might exceed 86°F or RH80%, reinforce the refrigerant insulation. (13/16 in. or thicker) Condensation may form on the surface of the insulating material.>

<Before refrigerant piping work, check which type of refrigerant is used. Proper operation is not possible if the types of refrigerant are not the same.>

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**⚠ CAUTION**

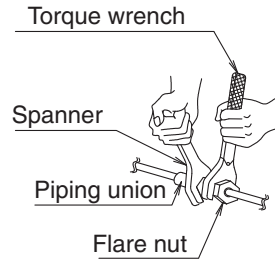

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- Use a pipe cutter and flare suitable for the type of refrigerant.
  - Apply ester oil or ether oil inside the flare portions before connecting.
  - To prevent dust, moisture or other foreign matter from infiltrating the tube, either pinch the end or cover it with tape.
  - Do not allow anything other than the designated refrigerant to get mixed into the refrigerant circuit, such as air. If any refrigerant gas leaks while working on the unit, thoroughly ventilate the room immediately.
-

- The outdoor unit is charged with refrigerant.
- Be sure to use both a spanner and torque wrench together, as shown in the drawing, when connecting or disconnecting pipes to/from the unit. **(Refer to Fig. 13)**
- Refer to **Table 3** for the dimensions of flare nut spaces.
- When connecting the flare nut, coat the flare section (only inside) with ester oil or ether oil, rotate three or four times first, then screw in. **(Refer to Fig. 14)**

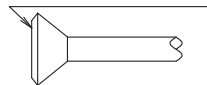
**CAUTION**  
Over-tightening may damage the flare and cause a refrigerant leakage.

**NOTE**  
• Use the flare nut included with the unit main body.



**Fig. 13**

Apply ester oil or ether oil only inside



**Fig. 14**

Table 3

Pipe size	Tightening torque	Flare dimensions A (in.)	Flare
ø1/4	10.4 - 12.7 ft-lbf	0.342 - 0.358	
ø3/8	24.1 - 29.4 ft-lbf	0.504 - 0.520	
ø1/2	36.5 - 44.5 ft-lbf	0.638 - 0.654	

- Refer to **Table 3** to determine the proper tightening torque.

**Not recommended but in case of emergency:**  
You must use a torque wrench but if one is not available, you may follow the installation method described below.

**After the work is finished, make sure to check that there is no gas leak.**

When you keep tightening the flare nut with a spanner, there is a point where the tightening torque suddenly increases. From that position, further tighten the flare nut at the angle shown below:

Pipe size	Further tightening angle	Recommended arm length of tool
ø1/4	60 – 90 degrees	Approx. 6 in.
ø3/8	60 – 90 degrees	Approx. 8 in.
ø1/2	30 – 60 degrees	Approx. 10 in.

**CAUTION**  
**CAUTION TO BE TAKEN WHEN BRAZING REFRIGERANT PIPING**  
Do not use flux when brazing refrigerant piping. Therefore, use the phosphor copper brazing filler metal (B-Cu93P-710/795: ISO 3677) which does not require flux. Flux has extremely harmful influence on refrigerant piping systems. For instance, if the chlorine based flux is used, it will cause pipe corrosion or, in particular, if the flux contains fluorine, it will damage the refrigerant oil.

- Before brazing field refrigerant piping, nitrogen gas shall be blown through the piping to expel air from the piping.  
If brazing is done without nitrogen gas blowing, a large amount of oxide film develops inside the piping, and could cause system malfunction.

- When brazing the refrigerant piping, only begin brazing after having carried out nitrogen substitution or while inserting nitrogen into the refrigerant piping. Once this is done, connect the indoor unit with a flared connection.
- Nitrogen should be set to 2.9 psig with a pressure-reducing valve if brazing while inserting nitrogen into the piping. **(Refer to Fig.15)**

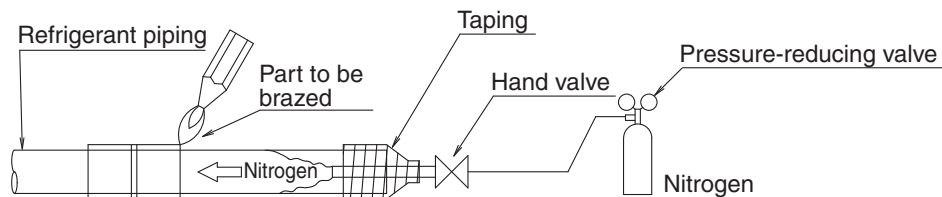


Fig. 15

- Make absolutely sure to execute thermal insulation works on the pipe-connecting section after checking gas leakage by thoroughly studying the following figure and using the attached thermal insulating materials for fitting (8) and (9). Fasten both ends with the clamps (4). **(Refer to Fig. 16)**
- Wrap the sealing pad (11) only around the insulation for the joints on the gas piping side. **(Refer to Fig. 16)**

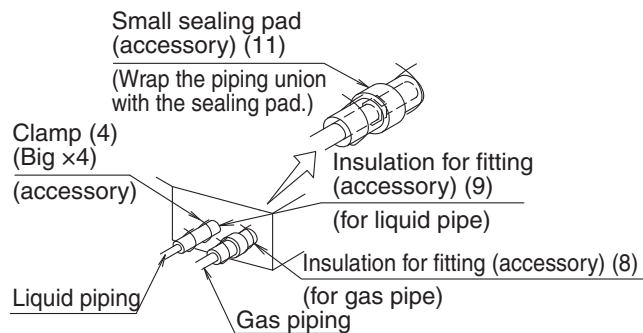


Fig. 16

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— **⚠ CAUTION** —

Be sure to insulate any field piping all the way to the piping connection inside the unit. Any exposed piping may cause condensation or burns if touched.

---

## 7. DRAIN PIPING WORK

### (1) Carry out the drain piping.

- Lay pipes properly to ensure that drainage can occur without problems.
- Employ a pipe with either the same diameter or with the diameter larger (excluding the raising section) than that of the connecting pipe (PVC pipe, nominal diameter 1 in., outside diameter 1-1/4 in.).
- To keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air pockets from forming.
- If the drain hose cannot be sufficiently set on a slope, refer to PRECAUTIONS FOR DRAIN RAISING PIPING on page 13.
- To keep the drain hose from sagging, space hanger bracket every 40 to 60 in..

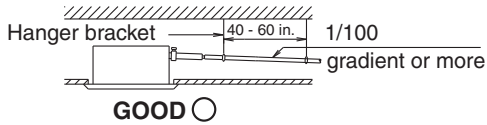


Fig. 17

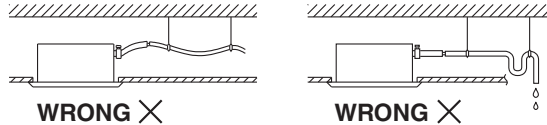


Fig. 18

**CAUTION**  
Water pooling in the drainage piping can cause the drain to clog.

- Use the attached drain hose (1) and metal clamp (2).
- Insert the drain hose into the drain socket up to the base, and tighten the clamp securely within the portion of a gray tape of the hose-inserted tip. Tighten the clamp until the screw head is less than 5/32 in. from the hose.
- Make sure that thermal insulation work is executed on the following 2 spots to prevent any possible water leakage due to dew condensation.
  - Indoor drain pipe
  - Drain socket
- Wrap the attached sealing pad (10) over the metal clamp (2) and drain hose to insulate.

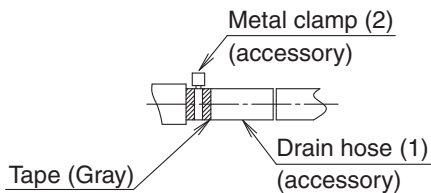


Fig. 19

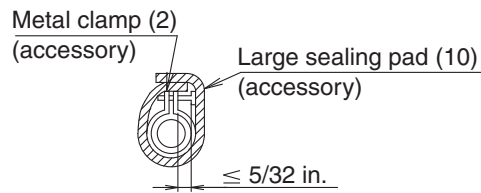


Fig. 20

**<PRECAUTIONS FOR DRAIN RAISING PIPING>**

- Install the drain raising pipes at a height of less than 21-7/16 in..
- Install the drain raising pipes at a right angle to the indoor unit and no more than 11-3/4 in. from the unit.

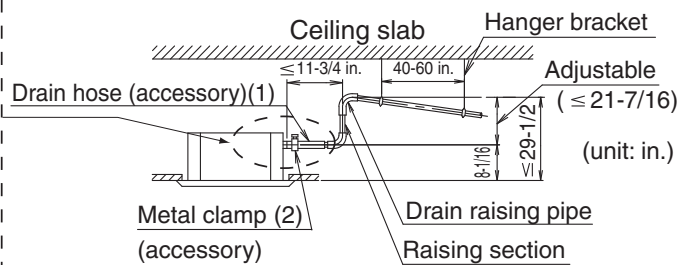
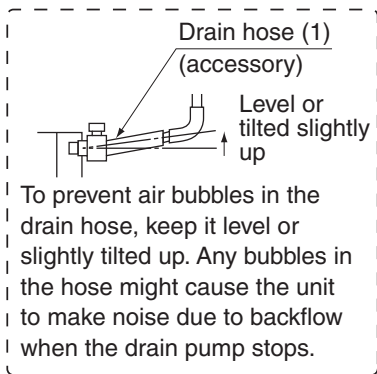


Fig. 21

**NOTE**

- To ensure no excessive pressure is applied to the included drain hose (1), do not bend or twist the hose when installing as it could cause leakage.
- If converging multiple drain pipes, install according to the procedure shown below.

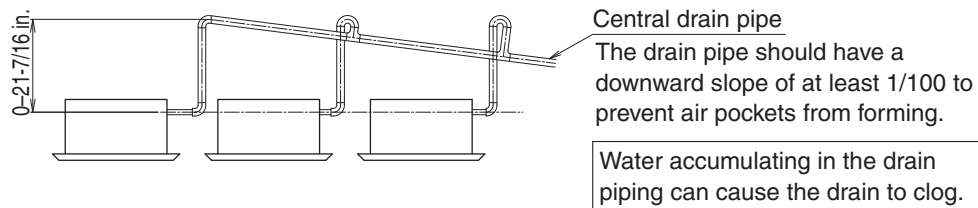


Fig. 22

Select converging drain pipes with gauges is suitable for the operating capacity of the unit.

**(2) After piping work is finished, check if drainage flows smoothly.**

- Add approximately 1/4 gal of water slowly from the air outlet and check drainage flow.

**WHEN ELECTRIC WIRING WORK IS FINISHED**

- Check drainage flow during cooling operation, explained in HOW TO TEST RUN on page 23.

**WHEN ELECTRIC WIRING WORK IS NOT FINISHED**

— **⚠ CAUTION** —

- Electrical wiring work should be done by a certified electrician.
  - If someone who does not have the proper qualifications performs the work, perform the following actions after the test run is complete.
- 
- Remove the control box cover. Connect the single phase power supply (SINGLE PHASE 60 Hz 208/230V) to connections No.1 and No.2 on the power supply terminal block. Do not connect to No.3 of the power supply terminal block or the drain pump will not operate. When carrying out wiring work around the control box, make sure none of the connectors come undone. Be sure to attach the control box cover before turning on the power.
  - After confirming drainage (**Fig.23, Fig.24**), turn off the power supply and remove the power supply wiring.
  - Attach the control box cover as before.

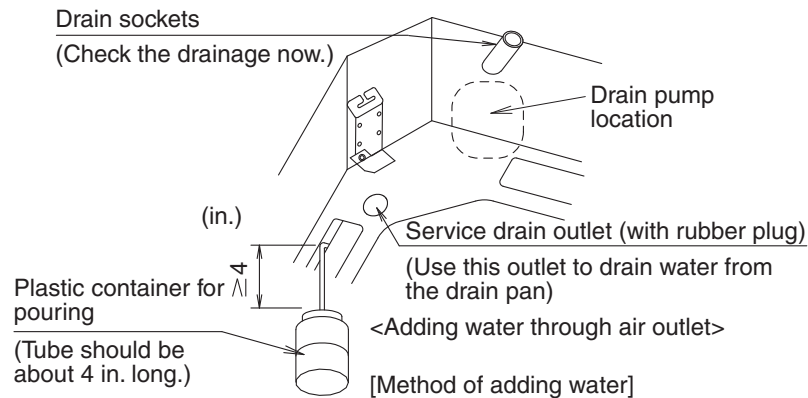


Fig. 23



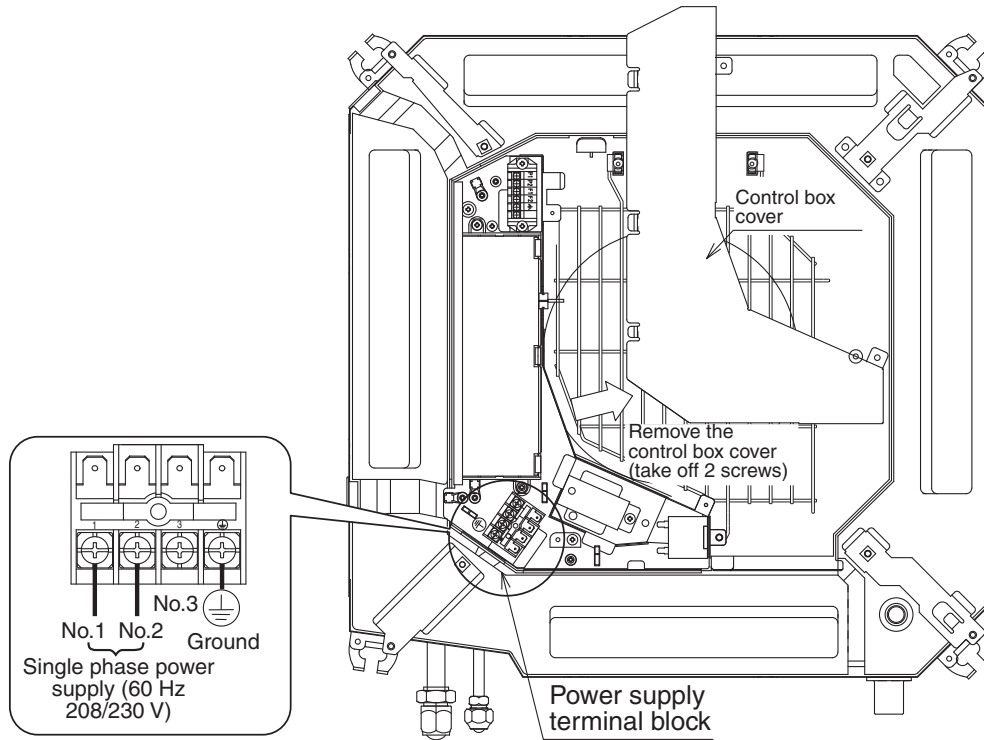


Fig. 24

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**⚠ CAUTION**


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- Drain piping connections
  - Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
  - Keep in mind that the drain pipe becomes blocked if water collects on it.
- 

## 8. WIRING EXAMPLE

For the wiring of outdoor units, refer to the installation manual attached to the outdoor units.

### Confirm the system type.

- **Multi system:** 1 through 4 indoor units connect to 1 outdoor unit. The indoor unit is controlled by remote controller connected to each indoor unit. **(Refer to Fig. 25)**  
However, the group control is not expected.
- **Group control:** 1 remote controller controls up to 16 indoor units. (All indoor units operate according to the remote controller) **(Refer to Fig. 26)**
- **2 remote controllers control:** 2 remote controllers control 1 indoor unit. **(Refer to Fig. 27)**

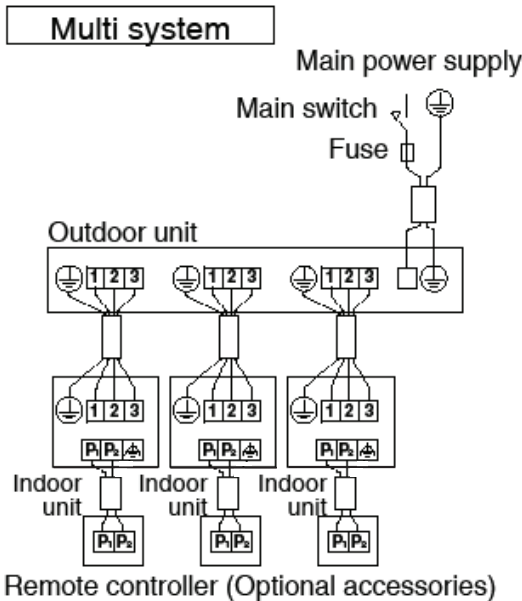


Fig. 25

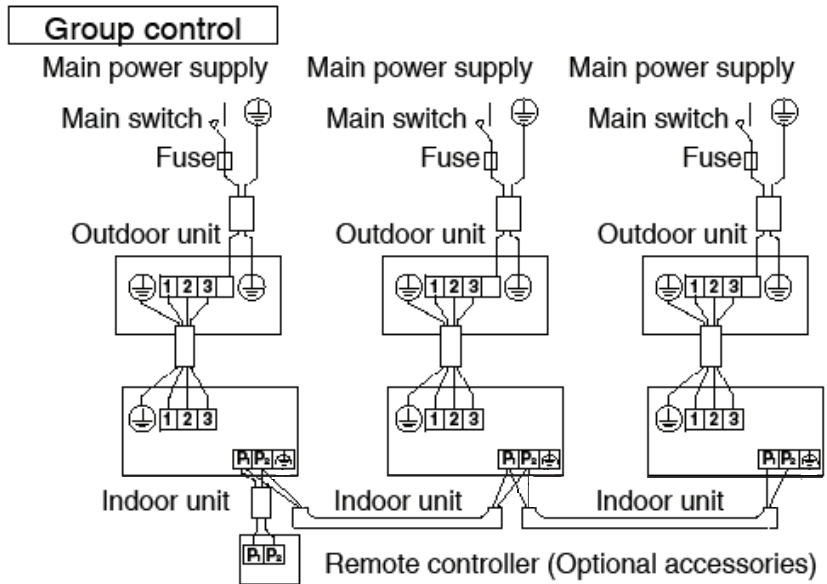


Fig. 26

2 remote controllers control

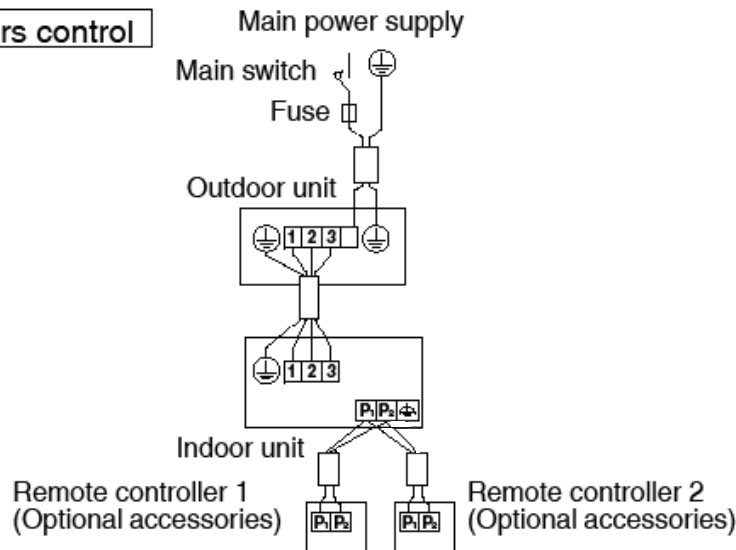


Fig. 27

**NOTE**

1. All transmission wiring, except for the remote controller wires, is polarized and must match the terminal symbol.
2. In case a shielding wire is to be used, connect a shielded portion with the  $\oplus$  of a remote controller terminal board.
3. For group control remote controller, choose the remote controller that suits the indoor unit which has the most functions (as attached swing flap).
4. When controlling the simultaneous operation system with 2 remote controllers, connect it to the master unit (wiring to the slave unit is unnecessary).

## 9. ELECTRIC WIRING WORK

- All field supplied parts and materials and electric works must conform to local codes.
- Use copper wire only.
- For electric wiring work, refer to also “Wiring diagram label” attached to the control box cover.
- For remote controller wiring details, refer to the installation manual attached to the remote controller.
- All wiring must be performed by an authorized electrician.
- A circuit breaker capable of shutting down power supply to the entire system must be installed.
- Refer to the installation manual attached to the outdoor unit for the size of power supply wire connected to the outdoor unit, the capacity of the circuit breaker and switch, and wiring instructions.
- Be sure to ground the air conditioner.
- Do not connect the ground wire to gas and water pipes, lightning rods, or telephone ground wires.
  - Gas pipes : might cause explosions or fire if gas leaks.
  - Water pipes : no grounding effect if hard vinyl piping is used.
  - Telephone ground wires or lightning rods : might cause abnormally high electric potential in the ground during lightning storms.

• **Specifications for field wire**

The remote controller wiring should be procured locally. Refer to the **Table 4** when preparing one.

Table 4

	Wire	Size	Length (ft.)
Wiring between units	Wire size and length must comply with local codes.	–	–
Remote controller wiring	Sheathed (2 wire) non-shielded	AWG 18 - 16	Max.1640*
Wiring to ground terminal	Wire size and length must comply with local codes.	–	–

\* This will be the total extended length in the system when doing group control.

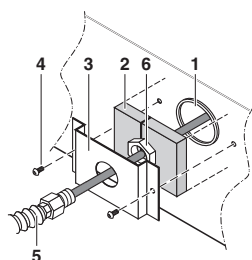
—  **CAUTION** —

- Arrange the wires and fix a cover firmly so that the cover does not float during wiring work.
- Do not clamp remote controller wiring together with wiring between units together. Doing so may cause malfunction.
- Remote controller wiring and wiring between units should be located at least 2 in. from other electric wires. Not following this guideline may result in malfunction due to electrical noise.

### Connection of wiring between units, ground wire and remote controller wiring (Refer to Fig. 29)

- Wiring between units and ground wire  
Remove the control box cover. Connect wires of matching number to the power supply terminal block (4P) inside and the ground wire to the terminal block. Then, fasten a conduit to the conduit mounting plate (13) with a locknut securely. In doing this, pull the wires inside through the hole and fix the wires securely with the included clamp (4).
- Give enough slack to the wires between the clamp (4) and power supply terminal block. Use Fig. 30 as a guide and allow at least 3-1/4 in. for removing the sheath.
- After connection, attach the sealing material. (Refer to Fig. 28). Be sure to attach it to prevent infiltration of water from the outside. Make sure that the slit in the sealing material is positioned vertically.

After attaching the sealing, screw the conduit mounting plate (13) using the 2 delivered screws (M4) (14) to the side of the unit where the power supply cables enter the unit. (Refer to Fig. 28).



1. Hole in the side plate of the unit
2. Sealing material
3. Conduit mounting plate
4. Screw (M4)
5. Conduit (Field supply)
6. Lock nut (Field supply)

**Fig. 28**

- Remove the control box cover and pull the wires inside through the hole and connect to the terminal block for remote controller (6P). (no polarity) Securely fix the remote controller wiring with the included clamp (4).
- Give enough slack to the wires between the clamp (4) and the terminal block for the remote controller.
- After connection, attach sealing material (12).
- Be sure to attach it to prevent the infiltration of water as well as any insects and other small creatures from the outside. Otherwise a short circuit may occur inside the control box.

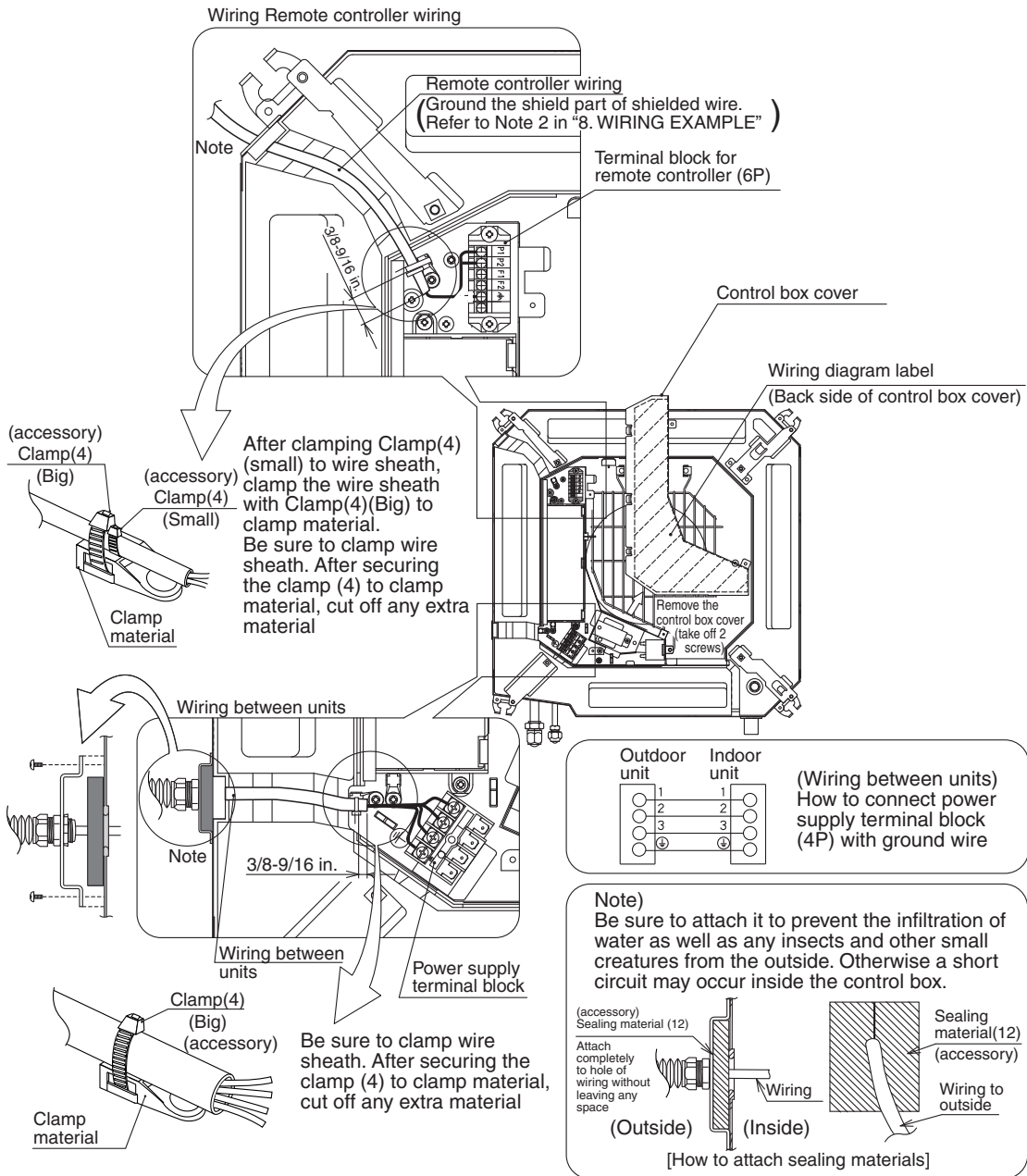


Fig. 29

Observe the notes mentioned below when wiring to the power supply terminal block.

**Tightening torque for the terminal blocks**

- Use the correct screwdriver for tightening the terminal screws. If the blade of screwdriver is too small, the head of the screw might be damaged, and the screw will not be properly tightened.
- If the terminal screws are tightened too hard, screws might be damaged.
- Refer to the table below for the tightening torque of the terminal screws.

	Tightening torque (ft-lbf)
Terminal block for remote controller (6P)	0.58 - 0.72
Power supply terminal block (4P)	0.87 - 1.06

**Precautions to be taken for power supply wiring**

Use a round crimp-style terminal for connection to the power supply terminal block. If it cannot be used due to unavoidable reasons, be sure to observe the following instructions:

Be sure to peel off the sheath of wiring between units more than 3-1/4 in..

(Refer to Fig. 30)

- In wiring, make certain that prescribed wires are used, carry out complete connections, and fix the wires so that external forces are not applied to the terminals.

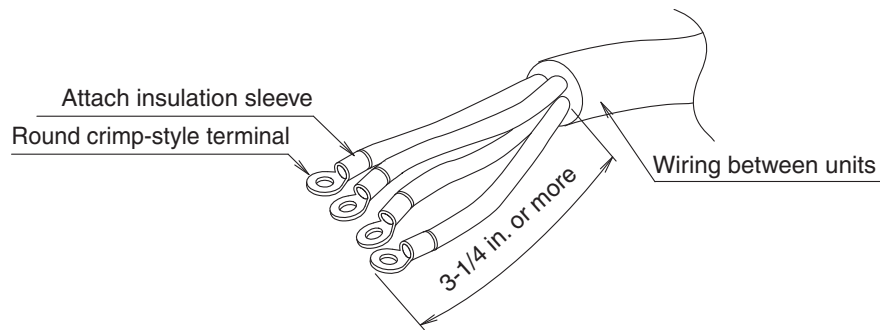
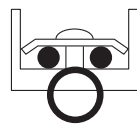


Fig. 30

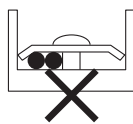
**When none is available, follow the instructions below**

- Do not connect wires of different gauge to the same power supply terminal.

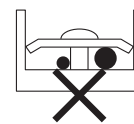
Connect wires of the same gauge to each side.



Do not connect wires of the same gauge to one side.



Do not connect wires of different gauges.



(Looseness in the connection may cause overheating.)

**CAUTION**

- When clamping wiring, use the included clamping material to prevent outside pressure being exerted on the wiring connections and clamp firmly. When doing the wiring, make sure the wiring is neat and does not cause the control box cover to stick up, then close the cover firmly.
- When attaching the control box cover, make sure you do not pinch any wires.
- After all the wiring connections are done, fill in any gaps in the through holes with putty or insulation (procured locally) to prevent small animals and insects from entering the unit from outside. (If any gets in, they could cause short circuits in the control box.)
- Outside the unit, separate the low voltage wiring (remote controller wiring) and high voltage wiring (wiring between units, ground, and other power wiring) at least 2 in. so that they do not pass through the same place together. Proximity may cause electrical interference, malfunctions, and breakage.

## 10. INSTALLATION OF THE DECORATION PANEL

### Caution:

**With the wireless remote controller, field setting and test run cannot be performed without attaching the decoration panel.**

<Read "12. TEST RUN" before making a test run without attaching the decoration panel.>

Refer to the installation manual attached to the decoration panel.

After installing the decoration panel, ensure that there is no space between the unit body and decoration panel.

## 11. FIELD SETTINGS

### ⚠ CAUTION

When performing field setting or test run without attaching the decoration panel, do not touch the drain pump. This may cause electric shock.

- (1) Make sure the control box cover is closed on the indoor and outdoor units.
  - (2) Field settings must be made from the remote controller and in accordance with installation conditions.
- Setting can be made by changing the "Mode No.," "FIRST CODE NO." and "SECOND CODE NO."
  - The "Field Settings" included with the remote control lists the order of the settings and method of operation.

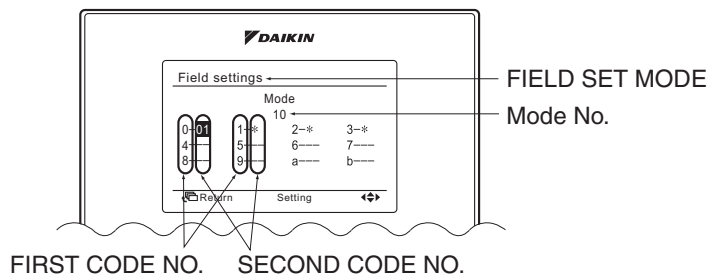


Fig. 31

### 11-1 SETTING AIR OUTLET DIRECTION

- For changing air outlet direction (2 or 3 directions), refer to the installation manual attached to the sealing material of air discharge outlet kit or the service manual.  
(SECOND CODE NO. is factory set to "01" for air outlet in 4 directions.)

### 11-2 SETTING FOR OPTIONS

- For settings for options, see the installation manual provided with the option.

### 11-3 SETTING AIR FILTER SIGN

- Remote controllers are equipped with liquid crystal display air filter signs to display the time to clean air filters.
- Change the SECOND CODE NO. according to Table 5 depending on the amount of dirt or dust in the room.  
(SECOND CODE NO. is factory set to "01" for air filter contamination-light.)

Table 5

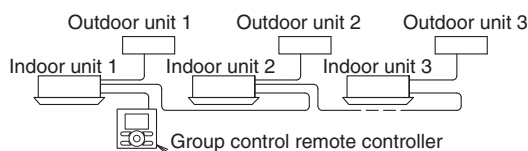
Setting	Spacing time of display air filter sign (long life type)	Mode No.	FIRST CODE NO.	SECOND CODE NO.
Air filter contamination-light	Approx. 2500 hrs	10 (20)	0	01
Air filter contamination-heavy	Approx. 1250 hrs			02

**When using wireless remote controllers**

- When using the wireless remote controllers, wireless remote controller address setting is necessary. Refer to the installation manual attached to the wireless remote controller.

**11-4 WHEN IMPLEMENTING GROUP CONTROL**

- When using as a pair unit, you may control up to 16 units with the remote controller.
- In this case, all the indoor units in the group will operate in accordance with the group control remote controller.
- Select a remote controller which matches as many of the functions (swing flap, etc) in the group as possible.



**Wiring Method** (See 9. ELECTRIC WIRING WORK on page 17.)

- Remove the control box cover.
- Cross-wire the remote control terminal block (P<sub>1</sub>, P<sub>2</sub>) inside the control box. (There is no polarity.)  
(Refer to Fig. 26 on page 16 and Table 4 on page 17)

**11-5 TWO REMOTE CONTROLLERS (CONTROLLING 1 INDOOR UNIT BY 2 REMOTE CONTROLLERS)**

- When using 2 remote controllers, one must be set to "MAIN" and the other to "SUB".

**Wiring Method** (See 9. ELECTRIC WIRING WORK on page 17.)

- Remove the control box cover.
- Add remote controller 2 to the remote control terminal block (P<sub>1</sub>, P<sub>2</sub>) in the control box. (There is no polarity.) (Refer to Fig. 27 on page 16 and Table 4 on page 17)

**12. TEST RUN****— ⚠ CAUTION —**

When performing field settings or test run without attaching the decoration panel, do not touch the drain pump. This may cause electric shock.

Refer to the section of **FOR THE FOLLOWING ITEMS, TAKE SPECIAL CARE DURING CONSTRUCTION AND CHECK AFTER INSTALLATION IS FINISHED** on page 6.

- After finishing the construction of refrigerant piping, drain piping, and electric wiring, conduct test run accordingly to protect the unit.



### 12-1 HOW TO TEST RUN

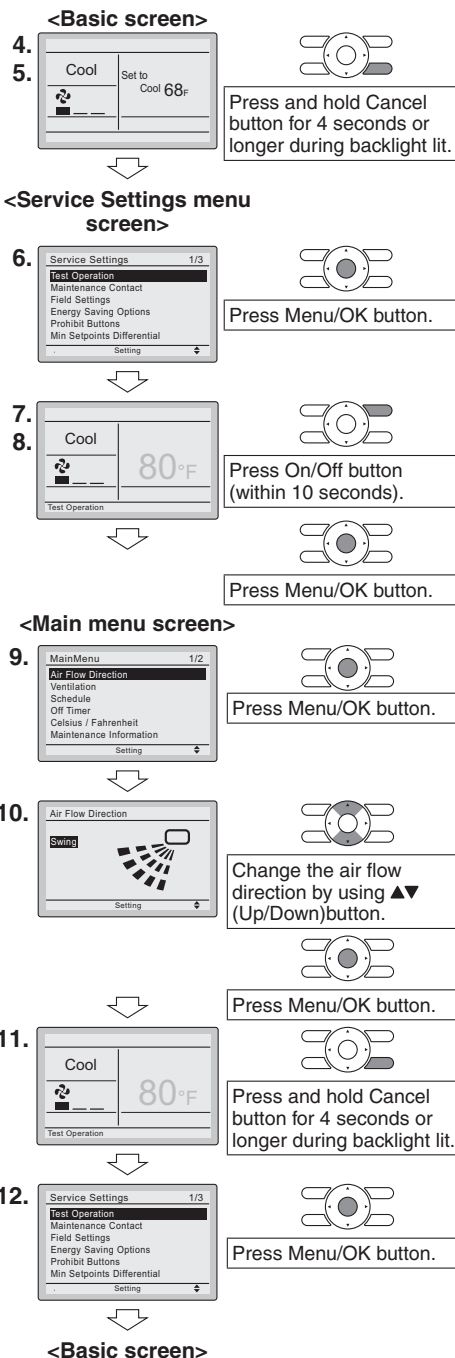
1. Open the gas side stop valve.
2. Open the liquid side stop valve.
3. Turn on power supply for 6 hours.
4. Set the operation mode to cooling by using the remote controller.
5. Press and hold Cancel button for 4 seconds or longer. Service settings menu is displayed.
6. Select **Test Operation** in the service settings menu, and press Menu/OK button. Basic screen returns and "Test Operation" is displayed at the bottom.
7. Press On/Off button within 10 seconds, and the test operation starts.  
Monitor the operation of the indoor unit for a minimum of 10 minutes. During test operation, the indoor unit will continue to cool regardless of the temperature setpoint and room temperature.

**NOTE**

- In the case of above-mentioned procedures 6 and 7 in reverse order, test operation can start as well.
8. Press Menu/OK button in the basic screen. Main menu is displayed.
  9. Select **Air Flow Direction** in the main menu and check that air flow direction is actuated according to the setting.  
For operation of air flow direction setting, see the operation manual.
  10. After the operation of air flow direction is confirmed, press Menu/OK button. Basic screen returns.
  11. Press and hold Cancel button for 4 seconds or longer in the basic screen.  
Service settings menu is displayed.
  12. Select **Test Operation** in the service settings menu, and press Menu/OK button. Basic screen returns and normal operation is conducted.
- NOTE**
- The test operation will automatically finish in 30 minutes.
13. Confirm function of unit according to the operation manual of the remote controller.
  14. If the decoration panel has not been installed, turn off the power after the test run.

#### PRECAUTIONS

1. Refer to "12-2 HOW TO DIAGNOSE FOR MALFUNCTION" if the unit does not operate properly.



**12-2 HOW TO DIAGNOSE FOR MALFUNCTION**

- If the air conditioner does not operate normally after installing the air conditioner, a malfunction shown in the table below may happen.

Remote controller display	Description
No display	<ul style="list-style-type: none"> <li>• Power outage, power voltage error or open-phase</li> <li>• Incorrect wiring (between indoor and outdoor units)</li> <li>• Indoor PC-board assembly failure</li> <li>• Remote controller wiring not connected</li> <li>• Remote controller failure</li> <li>• Open fuse or tripped circuit breaker (outdoor unit)</li> </ul>
“Checking the connection. Please stand by.” *	<ul style="list-style-type: none"> <li>• Indoor PC-board assembly failure</li> <li>• Wrong wiring (between indoor and outdoor units)</li> </ul>

\* “Checking the connection. Please stand by” will be displayed for up to 90 seconds following the application of power to the indoor unit. This is normal and does not indicate a malfunction.

■ Diagnose with the display on the liquid crystal display remote controller.


1. With the wired remote controller.

When the operation stops due to a malfunction, operation lamp flashes, and the malfunction code is indicated on the liquid crystal display. In such a case, diagnose the fault contents by referring to **Error History** in the service settings menu in case of group control, the unit No. is displayed so that the indoor unit No. with the trouble can be recognized.

2. With the wireless remote controller.

(Refer also to the operation manual attached to the wireless remote controller)

When the operation stops due to a malfunction the display on the indoor unit flashes. In such a case, diagnose the fault contents with the error code which can be found by following procedures.

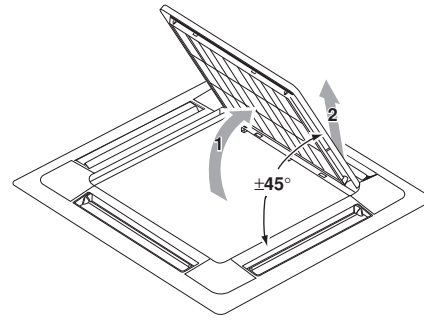
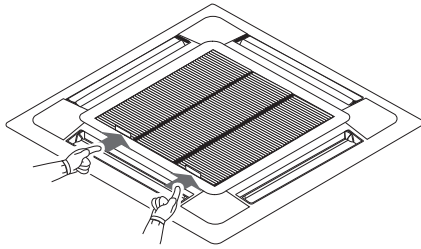
- (1) Press the INSPECTION/TEST RUN button, “” is displayed and “0” flashes.
- (2) Press the PROGRAMMING TIME button and find the unit No. which stopped due to trouble.
 

Number of beeps	3 short beeps.....	Perform all the following operations
	1 short beep .....	Perform (3) and (6)
	1 long beep.....	No trouble
- (3) Press the OPERATION MODE SELECTOR button and upper figure of the error code flashes.
- (4) Continue pressing the PROGRAMMING TIME button until it makes 2 short beeps and find the upper code.
- (5) Press the OPERATION MODE SELECTOR button and lower figure of the error code flashes.
- (6) Continue pressing the PROGRAMMING TIME button until it makes a long beep and find the lower code.
  - A long beep indicate the error code.

**NOTE** 

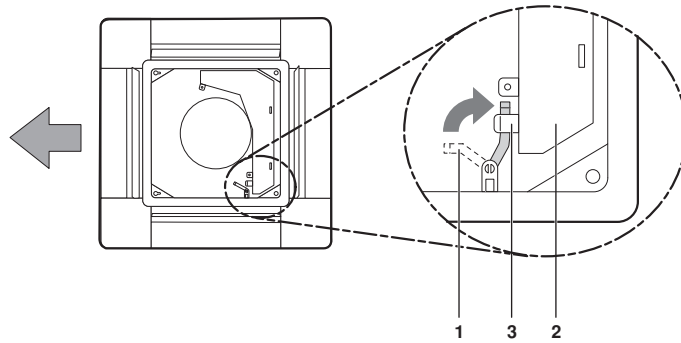
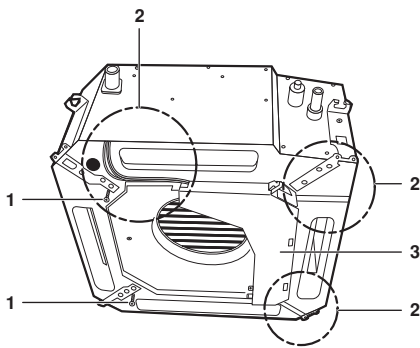
- Check the items in “b. Items to be checked at time of delivery” on page 6 after a test run.

## 2.1 <BYFQ60B8W1U> Decoration Panel



1

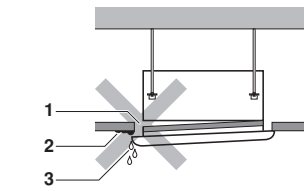
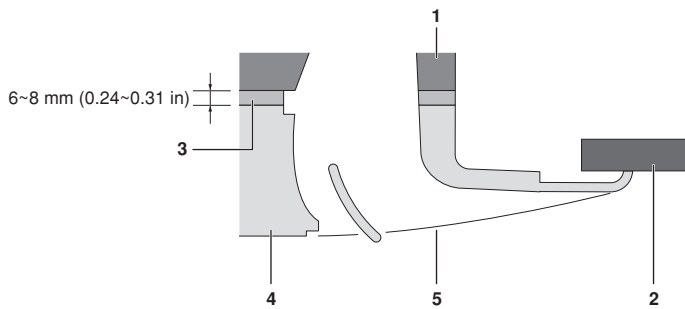
2



3

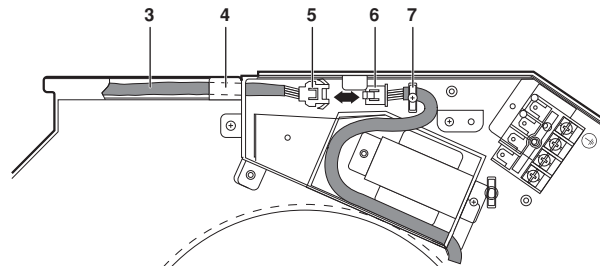
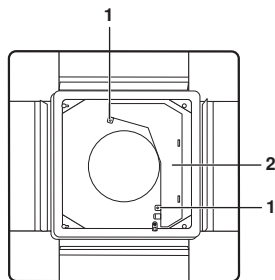
4

5



6

7



8

**⚠** Read this manual attentively before installation. Do not throw it away. Keep it in your files for future reference.


Improper installation or attachment of equipment or accessories could result in electric shock, short-circuit, leaks, fire or other damage to the equipment. Be sure only to use accessories made by Daikin that are specifically designed for the use with the equipment and have them installed by a professional.

If unsure of installation procedures or use, always contact your dealer for advice and information.

**BEFORE INSTALLATION**

- Leave the unit inside its packaging until you reach the installation site.
- Refer to the warning symbols on the unit.


**⚠ Rotary fan**





Cut off the main power before opening the grille.

- Refer to the installation manual of the indoor unit for items not described in this manual.

**NOTE To the installer**

 Be sure to instruct the customer how to properly operate the system showing him or her the operation manual of the indoor unit.

**Accessories**

Installation manual	
Screws (4x)	

**PREPARATION BEFORE INSTALLATION**

For this unit, you are able to select air flow directions. To discharge air in 2 or 3 directions, it is necessary to purchase the optional blocking pad kit.

**Handling of the decoration panel**

- To prevent any damage to the decoration panel, take care of the following:
- Never place the panel with the front facing down.
  - Never let the panel lean against a wall.
  - Never put it down on a projecting object.
  - Never touch or put pressure on the swing flap in order to prevent malfunction of the swing flap.

**Preparing the decoration panel for installation**

- 1 Remove the suction grille from the decoration panel.
  - Push the suction grille lever in the direction of the arrow and open the grille. (See figure 1)
  - Detach the suction grille from the decoration panel by lifting the grille up approximately 45 degrees so the grille can be removed. (See figure 2)

**INSTALLATION OF THE DECORATION PANEL TO THE INDOOR UNIT**

Refer to the installation manual of the indoor unit for details on installing the indoor unit.

- 1 Hold the decoration panel against the indoor unit by matching the piping side and drain side marks on the decoration panel with the position of the piping section and drain section of the indoor unit.

- 2 Install the decoration panel.

- 1 Make sure that the swing flap motor lead wire does not come out of the groove for routing the wire inside the indoor unit (3 locations). If it has, put it back in. (Connecting the decoration panel with the wire out of the groove may cause water leakage.)
- 2 Provisionally tighten the 2 supplied screws approximately 5 mm (0.2 in) into the indoor unit at the side opposite the switch box. (See figure 3)

- 1 Supplied screws
- 2 Groove for wire routing
- 3 Switch box

- 3 Slide the panel in the direction of the arrow, matching the 2 attachment holes (⌢) over the provisionally tightened screws. (See figure 4)
- 4 Turn the decoration panel lever at the side of the indoor unit switch box over the hook located on that switch box. (See figure 5)

- 1 Lever
- 2 Switch box
- 3 Hook

- 5 Attach the remaining screws and tighten all 4 screws until the thickness of the sealing material between the decoration panel and the indoor unit is reduced to 6~8 mm (0.24~0.31 in). (See figure 6)

- 1 Indoor unit
- 2 Ceiling
- 3 Sealing material
- 4 Decoration panel
- 5 Air outlet

**Precautions**

- Improper tightening of the screws (see [figure 7](#)) may cause air to leak into the unit and air to escape between the ceiling and the decoration panel (1), resulting in contamination (2) and dew formation (3).
- If there is a gap remaining between the ceiling and the decoration panel after tightening the screws, re-adjust the indoor unit body height.

**3 Wiring of the decoration panel (See [figure 8](#))**

- 1 Screws (2)
- 2 Switch box
- 3 Swing flap motor lead wire
- 4 Hang the swing flap motor lead wire on this tab
- 5 Connector of the decoration panel swing flap motor
- 6 Connector of the indoor unit
- 7 Clamp  
Pass the swing flap motor lead wire through the clamp as shown. After connection, store the connector inside the switch box.

- 1 Remove the switch box cover after making sure that the power to the unit is off.
- 2 Connect the connectors of the swing flap motor lead wire.
- 3 Put the switch box cover back in place and fix it with the 2 screws again.



- If the connectors are not connected properly, the swing flap will not work.
- Make sure that the swing flap motor lead wire is not caught between the indoor unit and the decoration panel.

**INSTALLATION OF THE SUCTION GRILLE**

Install the suction grille by reversing the procedure shown in "[Preparing the decoration panel for installation](#)" on [page 1](#).

- The suction grille may be installed in 4 directions by simply turning it 90 degrees.
- Change the direction when adjusting the direction of the suction grille of multiple units or to comply with the demands of the customer.

**NOTE**

Be careful not to get the swing flap motor lead wire caught when installing the suction grille.

## 2.2 <BRC1E72> Wired Remote Controller

### 1. Safety Considerations

All phases of the field-installation, including, but not limited to, electrical, piping, safety, etc. must be in accordance with manufacturer's instructions and must comply with national, state, provincial and local codes.




Read these **SAFETY CONSIDERATIONS** carefully before installing the remote controller.


After completing the installation, ensure that the remote controller operates properly during the startup operation.

Train the customer to operate and maintain the remote controller. Inform customers that they should store this Installation Manual with the Operation Manual for future reference.

Always use a licensed installer or contractor to install this product. Improper installation can result in electrical shock, fire, or explosion.

Meanings of **WARNING**, **CAUTION**, and **NOTE** Symbols.

 <b>WARNING</b>	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 <b>CAUTION</b>	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
 <b>NOTE</b>	Indicates situations that may result in equipment or property-damage accidents only.

 <b>WARNING</b>
Only qualified personnel must carry out the installation work.
Consult your Daikin dealer regarding relocation and reinstallation of the remote controller. Improper installation work may result in electric shocks or fire.
Install the remote controller in accordance with the instructions in the installation manual. Improper installation may cause electrical shocks or fire.
Use only specified accessories and parts for installation work. Failure to use specified parts may result in electric shocks, fire, or the unit falling.
Do not disassemble, reconstruct, or repair. Electric shock or fire may occur.
Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections or installation may result in fire.
Before touching electrical parts, turn off the unit.

 **CAUTION**

Keep water out of the remote controller.

To avoid electric shock due to entry of water or insects, fill the wiring through-hole with putty.  
Do not wash the remote controller with water as it may result in electrical shocks or fire.

Do not touch the remote controller buttons with wet fingers.

Touching the buttons with wet fingers can cause an electric shock.

Do not install the remote controller in the following locations:

- (a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen.  
Plastic parts may deteriorate and fall off.
- (b) Where corrosive gas, such as sulfurous acid gas, is produced.
- (c) Near machinery emitting electromagnetic waves.  
Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
- (d) Where flammable gas may leak, where there is carbon fiber or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled.  
Operating the unit in such conditions can cause a fire.
- (e) High temperature area or directly flamed point.  
Heating and/or fire can occur.
- (f) Moist area, where there is exposure to water. If water enters the inside of the remote controller, it may cause electric shock and electrical components may fail.

 **NOTE**







Install the control wires for the indoor and the remote controller at least 3.5 feet (1 meter) away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 feet (1 meter) may not be sufficient to eliminate the noise.

When remote controller's thermostat sensor is used, select the installation location as per the following:

- A place where average temperature in the room can be detected.
- A place where it is not exposed to direct sunlight.
- A place where it is far apart from heat source.
- A place where it is not affected by outside air due to door opening/closing.

## 2. Accessories

The following accessories are included.

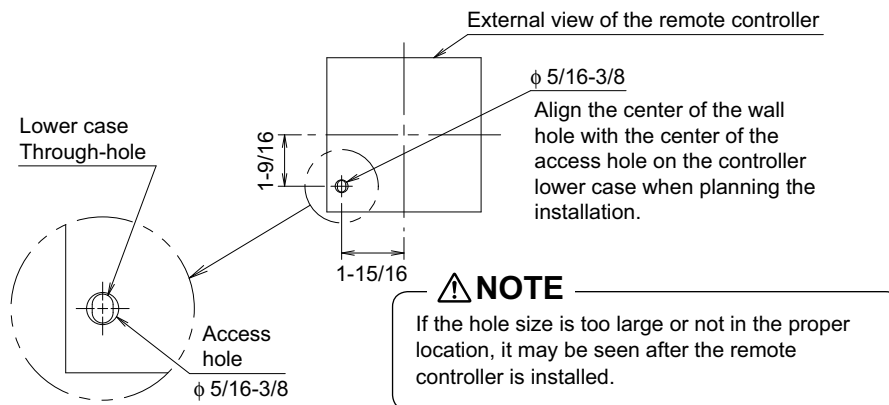
Wood screw	Small screw	Clamp	Operation manual	Installation manual	Wiring retainer
( $\phi 3.5 \times 16\text{mm}$ )  (2 pcs.)	(M4 $\times 16\text{mm}$ )  (2 pcs.)	 (1 pc.)	 (1 pc.)	 (1 pc.)	 (1 pc.)

## 3. Remote controller installation procedure

### 3-1 Determine where to install the remote controller.

Make sure to follow the **Safety Considerations** when determining the location.

### 3-2 If the control cable for the remote controller is to be routed from the rear, make a hole in the wall taking into consideration the location of the access hole in the lower case.

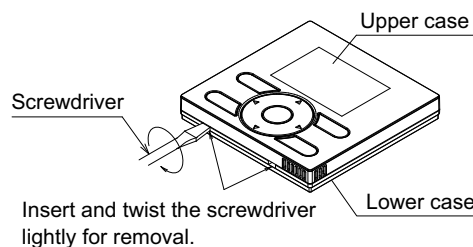


### 3-3 Remove upper case.

Insert a screwdriver in the recess of lower case to remove the upper case (2 points).

Remote controller PC-board is installed on the upper case. Take care not to damage the PC-board with the screwdriver.

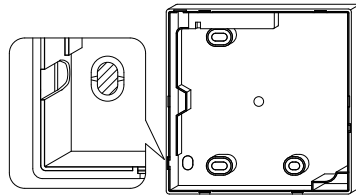
Take care that dust or moisture does not touch the PC-board.





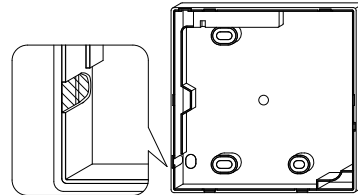
**3-4 Determine the location where the cabling will enter the remote controller (back, left side, top left, top center).**

**3-4-1 Back outlet**



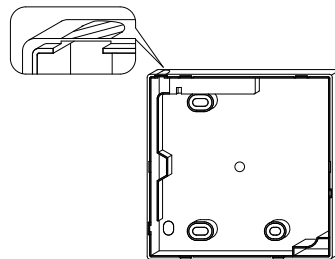
Cut off resin area (hatched area).

**3-4-2 Left outlet**



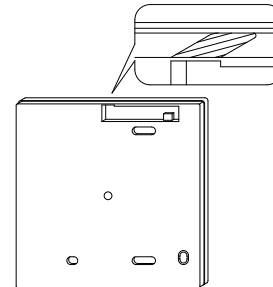
Using an appropriate tool, cut the plastic at the hatched area and remove any remaining burrs.

**3-4-3 Top left outlet**



Using an appropriate tool, cut the plastic at the hatched area and remove any remaining burrs.

**3-4-4 Top center outlet**



Using an appropriate tool, cut the plastic at the hatched area and remove any remaining burrs.

**3-5 Install wiring.**

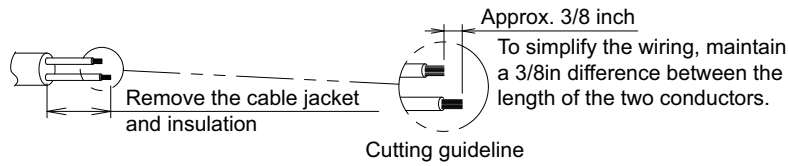
**NOTE**

1. Switch box and control wiring are not attached.
2. Do not touch the remote controller PC-board.

Wiring Specifications

Wiring Type	Non-shielded, 2-conductor, stranded copper cable
Wiring Size	AWG-18
Wiring Length	Maximum 1640 feet (500m)

Prepare the cabling for connection to the remote controller following these instructions:

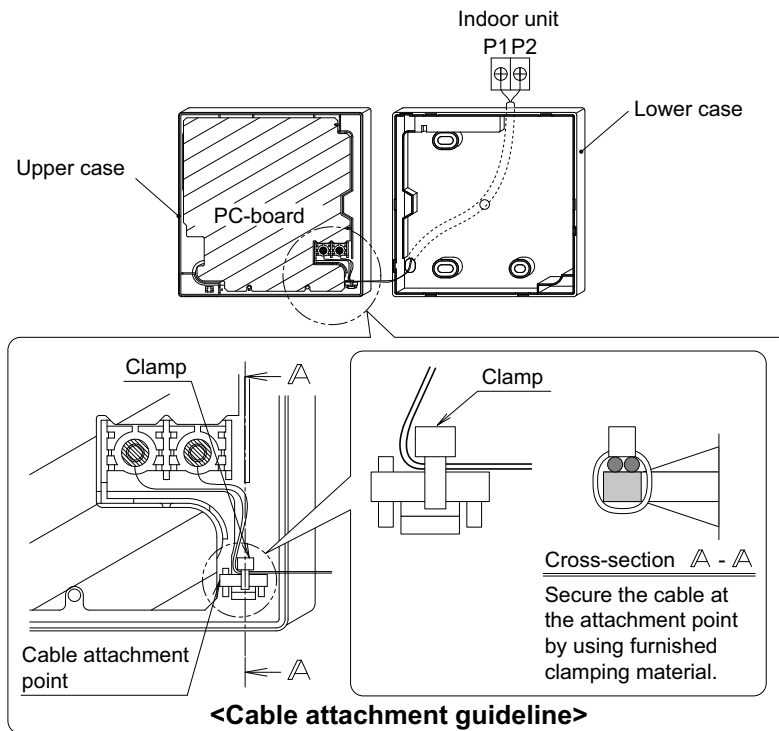


Length of jacket to be removed:

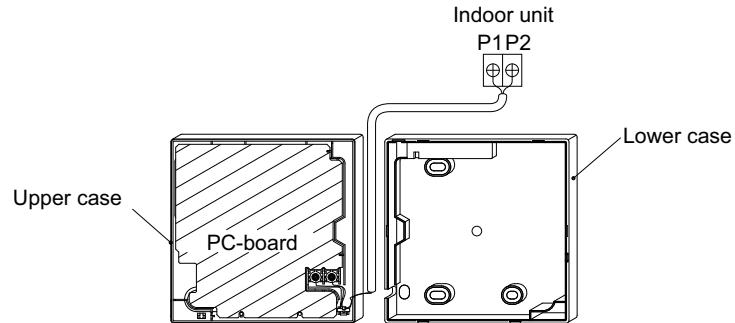
- Approx. 6 inch for top left outlet
- Approx. 8 inch for top center outlet

Connect the terminals (P/P1, N/P2) of the remote controller to the terminals (P1, P2) of the indoor unit. (P1 and P2 are not polarity sensitive.)

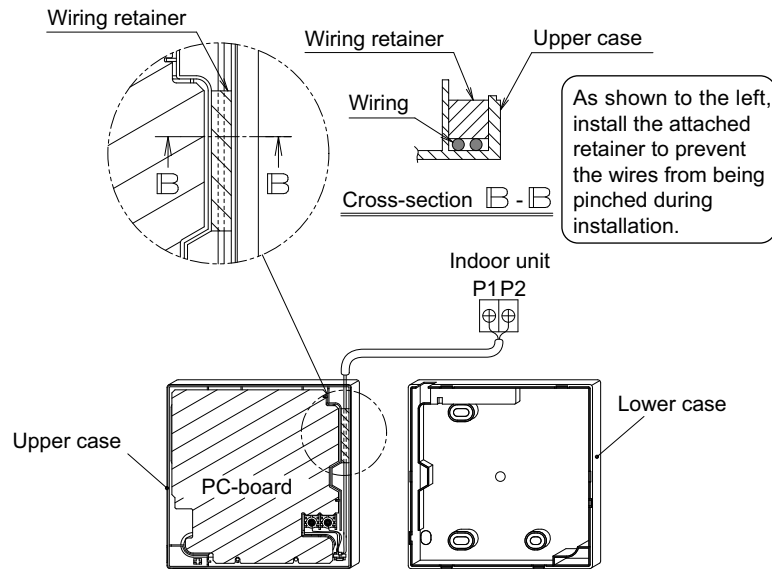
**3-5-1 Back outlet**



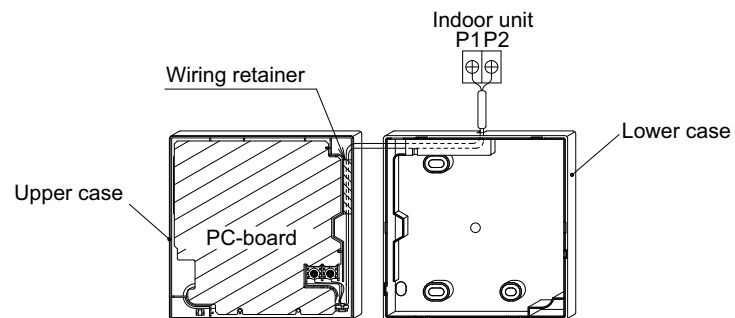
**3-5-2 Left outlet**



**3-5-3 Top left outlet**



**3-5-4 Top center outlet**



**NOTE**

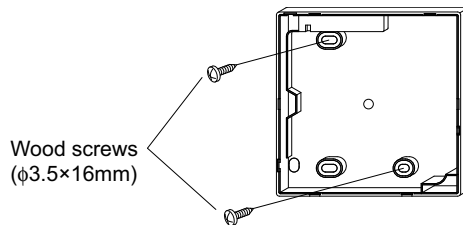
- To prevent electrical noise and possible communication errors, avoid installing the remote controller cabling parallel to or in the vicinity of line voltage circuits.

**3-6 Installation procedure for the lower case.**

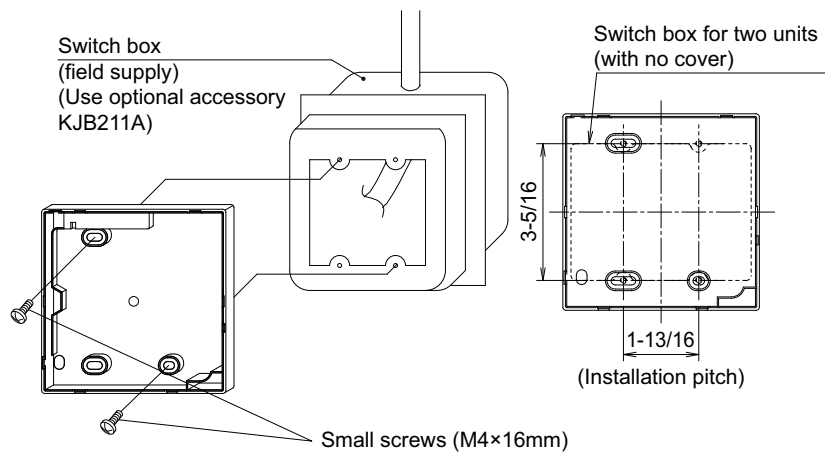
When wiring the remote controller through the top center or rear access points, attachment of the cable to the lower case is required before it is wall mounted. Closely follow the wiring procedures.

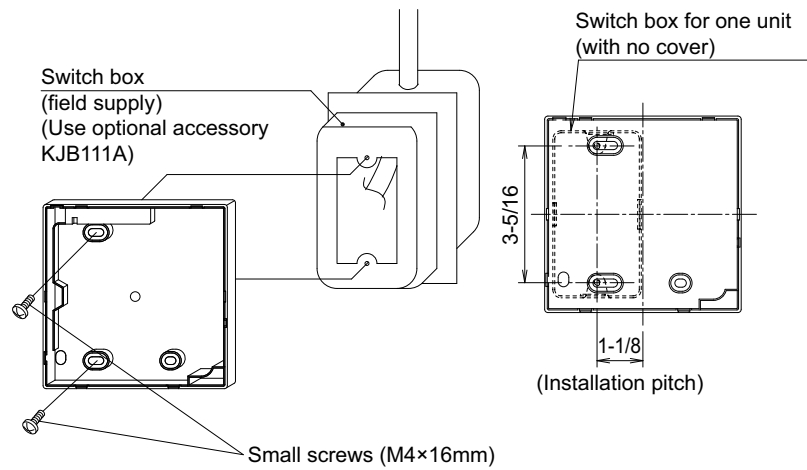
**3-6-1 Wall installatoin**

Secure by using attached wood screws (2 pcs.).

**3-6-2 Switch box installation**

Secure by using attached small screws (2 pcs.).



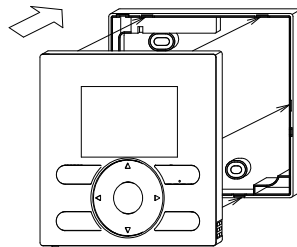


**NOTE**

- Install the control on a flat surface only.
- To prevent deformation of the lower case, avoid over-tightening the installation screws.

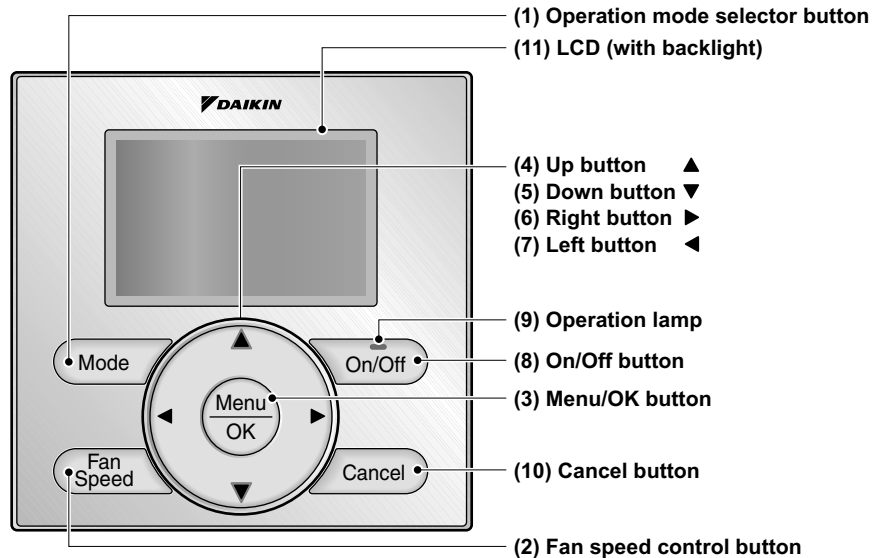
### 3-7 Install the upper case.

- Align the upper case with tabs of the lower case (6 points), insert and install the upper case.
- Install the wiring with care to prevent pinching.
- Peel off the protective membrane which overlays the upper case.



## 4. Functions and menu items of remote controller buttons

### 4-1 Functions and menu items



#### (1) Operation mode selector button

Used to change the mode.

#### (2) Fan speed control button

Used to change the fan control.

#### (3) Menu/OK button

- Used to indicate the main menu.  
(For details of the main menu, see the operation manual.)
- Used to enter the item selected.

#### Main Menu

Airflow Direction
Ventilation
Schedule
Off Timer
Celsius / Fahrenheit
Maintenance Information
Configuration
Current Settings
Clock & Calendar
Daylight Saving Time
Language

\*Depending on connected model

#### (4) Up button ▲

- Used to raise the setpoint temperature.
- The previous menu items will be highlighted.  
(The highlighted items will be scrolled continuously when the button is pressed continuously.)
- Used to change the selected item.

#### (5) Down button ▼

- Used to lower the setpoint temperature.
- Items below the currently selected item will be highlighted.  
(The highlighted items will be scrolled continuously when the button is pressed continuously.)
- Used to change the selected item.

#### (6) Right button ►

- Used to highlight items to the right of the currently selected item.
- Display contents are changed to next screen per page.

**(7) Left button ◀**

- Used to highlight items to the left of the currently selected item.
- Display contents are changed to previous screen per page.

**(8) On/Off button**

Press once to operate, and press once again to stop.

**(9) Operation lamp**

Green lamp lights up during operation. The lamp will blink if an malfunction occurs.

**(10) Cancel button**

- Used to return to the previous screen.
- Press and hold this button for 4 seconds or longer to display service settings menu.

**(11) LCD (with backlight)**

The backlight will illuminate for approximately 30 seconds by pressing any operation button.

**Service Settings menu**

- Test Operation
- Maintenance Contact
- Field Settings
- Energy Saving Options
- Prohibit Function
- Min Setpoints Differential
- Outdoor unit AirNet Address
- Error History
- Indoor Unit Status
- Outdoor Unit Status
- Forced Fan ON
- Switch Main Sub Controller
- Filter Indicator
- Brush/Filter Ind.
- Disable Filter Auto Clean

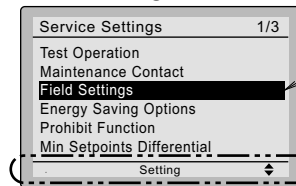
\*Depending on connected model

**⚠ NOTE**

- Operate the button while the backlight is illuminated.
- When one indoor unit is controlled by two remote controllers (main / sub) only the first controller to be accessed by the user will illuminate it's backlight.

**4-2 Button menu display descriptions**

**<Service Settings menu screen>**



Highlighted display (selected items)

In the highlighted display (selected items) setting screen, button operation descriptions are displayed.

## 5. Power-on

- Check for completion of indoor/outdoor unit wiring.
- Ensure that covers have been replaced on electrical component boxes for both indoor and outdoor units prior to restoring power.

**5-1** The following are displayed after power-on.

**Checking the connection.**  
**Please stand by.**

During above display, the backlight will not be available.

**When 1 indoor unit is controlled by 2 remote controllers:**

Be sure to set sub remote controller during above display. Press and hold 4 seconds or longer the **Mode** button of the remote controller to be set.

When the display is changed from main remote controller to sub remote controller, the setting is completed.

**5-2** Basic screen is displayed.

### NOTE

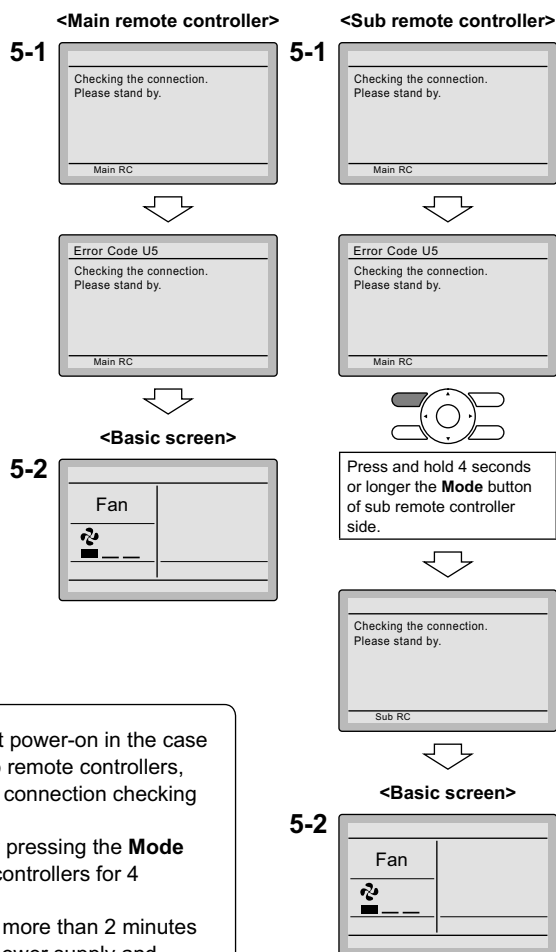
If sub remote controller is not set at power-on in the case of one indoor unit controlled by two remote controllers, **Error Code: U5** is displayed in the connection checking screen.

Select the sub remote controller by pressing the **Mode** button of either one of the remote controllers for 4 seconds or longer.

If the basic screen is not displayed more than 2 minutes after **Sub RC** display, shut off the power supply and check the wiring.

### NOTE

When selecting a different language, refer to **Chapter 12. Language.**  
(See page 21.)





## 6. Field Settings

**6-1** Press and hold **Cancel** button for 4 seconds or longer.  
Service settings menu is displayed.

**6-2** Select **Field Settings** in the Service Settings menu, and press **Menu/OK** button.  
Field settings screen is displayed.

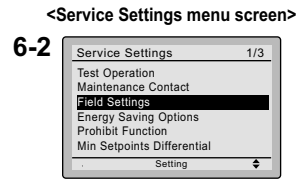
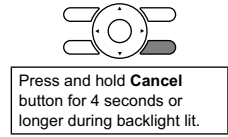
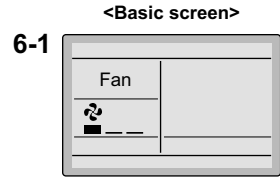
**6-3** Highlight the mode, and select desired "Mode No." by using **▲▼** (Up/Down) button.

**6-4** In the case of setting per indoor unit during group control (When Mode No. such as **20**, **21**, **22**, **23**, **25** are selected), highlight the unit No. and select "Indoor unit No." to be set by using **▲▼** (Up/Down) button. (In the case of group total setting, this operation is not needed.)

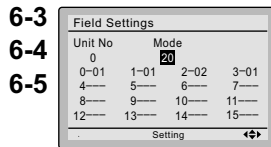
In the case of individual setting per indoor unit, current settings are displayed. And, SECOND CODE NO. " - " means no function.

**6-5** Highlight SECOND CODE NO. of the FIRST CODE NO. to be changed, and select desired "SECOND CODE NO." by using **▲▼** (Up/Down) button. Multiple identical mode number settings are available.

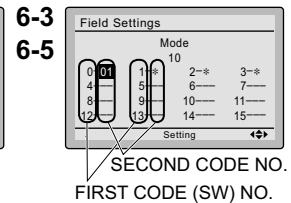
In case of setting for all indoor units in the remote control group, available SECOND CODE NO. is displayed as " \* " which means it can be changed. When SECOND CODE NO. is displayed as " - ", there is no function.



**In the case of individual setting per indoor unit**



**In the case of group total setting**



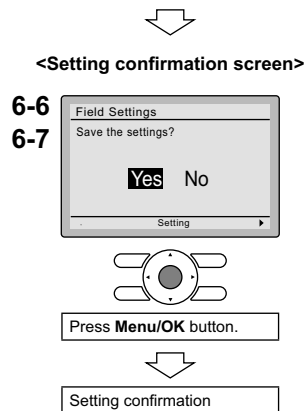
**6-6** Press **Menu/OK** button. Setting confirmation screen is displayed.

**6-7** Select **Yes** and press **Menu/OK** button. Setting details are determined and field settings screen returns.

**6-8** In the case of multiple setting changes, repeat “**6-3**” to “**6-7**”.

**6-9** After all setting changes are completed, press **Cancel** button twice.

**6-10** Backlight goes out, and **[Checking the connection. Please stand by.]** is displayed for initialization. After the initialization, the basic screen returns.



**NOTE**

- Installation of optional accessories on the indoor unit may require changes to field settings. See the manual of the optional accessory.
- For field setting details related to the indoor unit, see installation manual shipped with the indoor unit.

Mode No. (Note 1)	First Code No.	Description	Second Code No. (Note 2) (Items in bold are factory default settings)			
			01	02	03	04
10 (20)	2	Priority of thermistor sensors for space temperature control	The return air thermistor is primary and the remote controller thermistor is secondary.	The remote controller thermistor is not utilized. Only the return air thermistor will be utilized.	Only the remote controller thermistor will be utilized.	_____
	5	Room temperature value reported to multizone controllers	Return air thermistor	Thermistor designated by 10-2 above (Note 3)	_____	_____
12 (22)	2	Thermo-on/off deadband (Note 4)	2F (1C)	1F (0.5C)	_____	_____
1c	1	Thermistor sensor for auto changeover and setback control by the remote controller	Utilize the return air thermistor	Utilize the remote controller thermistor	_____	_____
	3	Access permission level setting	Level 2	Level 3	_____	_____
1e	2	Setback availability	N/A	Heat only	Cool only	Cool/Heat

- Notes)
1. Field settings are normally applied to the entire remote control group, however if individual indoor units in the remote control group require specific settings or for confirmation that settings have been established, utilize the mode number in parenthesis.
  2. Any features not supported by the installed indoor unit will not be displayed.
  3. When mode 10-2-01 is selected, only the return air temperature value is reported to the multizone controller.
  4. The actual default deadband value will depend upon the indoor unit model.

## 7. Test Operation

**Also see installation manuals attached to the indoor unit and the outdoor unit.**

- Check that wiring work of the indoor unit and the outdoor unit is completed.
- Ensure that covers have been replaced on electrical component boxes for both indoor and outdoor units prior to restoring power.
- After refrigerant piping, drain piping and electric wiring are completed, clean inside of the indoor unit and decorative panel.
- Perform the test operation according to following procedure.
- To protect the compressor, apply power to the outdoor unit at least 6 hours prior to test operation.
- Set the remote controller display mode to standard or detailed display mode. Refer to Operation Manual for the setting method.

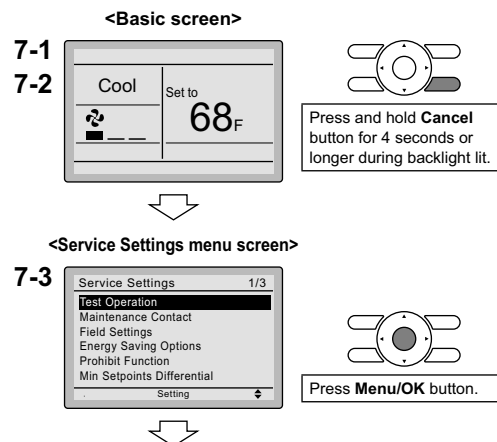
### Notes for backlight

- The backlight will illuminate for 30 seconds by pressing any button.
- The initial push of the button will only illuminate the backlight. While the backlight is illuminated, the buttons assigned functionality will be available.

**7-1** Set the operation mode to cooling by using the remote controller.

**7-2** Press and hold **Cancel** button for 4 seconds or longer. Service settings menu is displayed.

**7-3** Select **Test Operation** in the service settings menu, and press **Menu/OK** button. Basic screen returns and **Test Operation** is displayed at the button.



**7-4** Press **On/Off** button within 10 seconds, and the test operation starts. Monitor the operation of the indoor unit for a minimum of 10 minutes. During test operation, the indoor unit will continue to cool regardless of the temperature setpoint and room temperature.

\* Note) In the case of above-mentioned procedures **7-3** and **7-4** in reverse order, test operation can start as well.

**7-5** Press **Menu/OK** button in the basic screen. Main menu is displayed.

**7-6** In the case of a model having airflow direction function, select **Airflow Direction** in the main menu and check that airflow direction is actuated according to the setting. For operation of airflow direction setting, see the operation manual.

**7-7** After the operation of airflow direction is confirmed, press **Menu/OK** button. Basic screen returns.

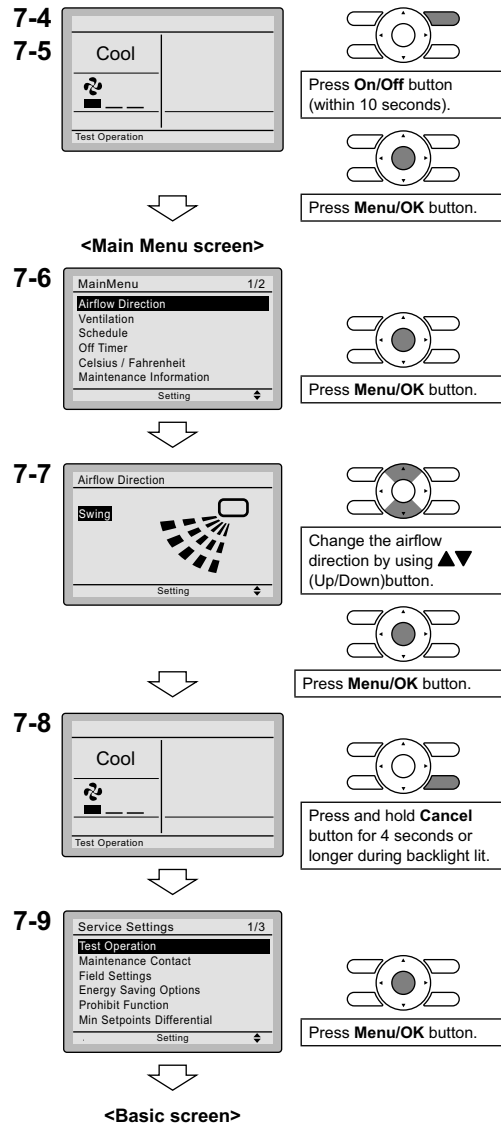
**7-8** Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

**7-9** Select **Test Operation** in the service settings menu, and press **Menu/OK** button. Basic screen returns and normal operation is conducted.  
\* Note) The test operation will automatically finish in 30 minutes.

**7-10** Check the functions according to the operation manual.

**7-11** When the decorative panel is not installed, shut off the power supply after the test operation finishes.

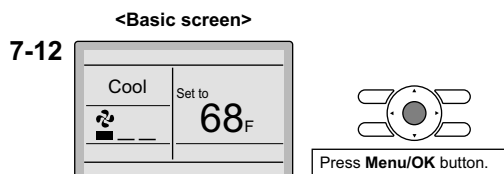
- If construction activities are planned within the space following the test operation procedure, recommend to the customer that the air conditioner is not operated to prevent contamination from paints, drywall dust and other airborne materials.



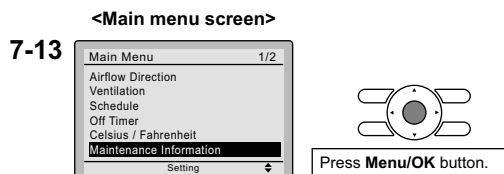
**NOTE**

- If operation is not possible due to a malfunction, refer to following **Failure diagnosis method**.
- After the test operation finishes, check that error code history is not displayed in the Maintenance Information screen of the main menu according to the following procedure.

**7-12** Press **Menu/OK** button in the basic screen. Main menu screen is displayed.

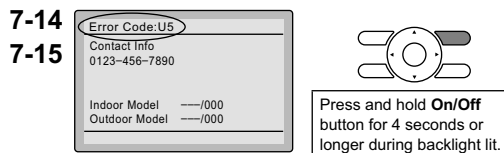


**7-13** Select **Maintenance Information** in the main menu, and press **Menu/OK** button.



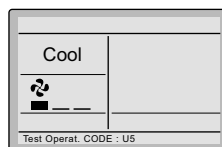
**7-14** Maintenance Information screen is displayed. Check that error code history is not displayed in the screen.  
\* If no error code history is displayed following this procedure the system has normally completed the test operation mode.

**7-15** If the error code history is displayed, conduct the failure diagnosis referring to <Error code list> in the installation manual of the indoor unit.  
After the failure diagnosis finishes, press and hold **On/Off** button for 4 seconds or longer in the **Maintenance Information** screen to erase the error code history.



**Failure diagnosis method**

- Whenever the remote controller display is blank or displays **[Checking the connection. Please stand by.]**, troubleshoot the system per the items in the Description column of the following table.
- If an error occurs, **CODE** is displayed in the LCD as shown to the right. Conduct the failure analysis referring to <Error code list> in the installation manual of the indoor unit. When the unit No. which detected the error during group control is confirmed, refer to **Chapter 8: Procedure for Checking Error History**.



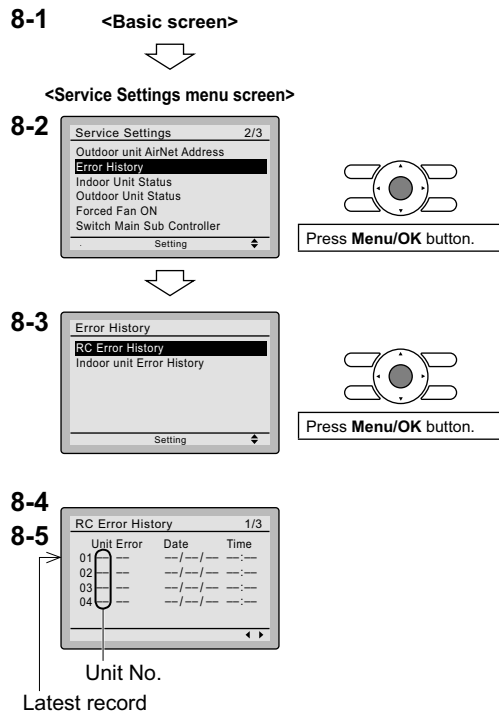


Remote controller display	Description
No display	<ul style="list-style-type: none"> <li>• Power outage, power voltage error or open-phase</li> <li>• Incorrect wiring (between indoor and outdoor units)</li> <li>• Indoor PC-board assembly failure</li> <li>• Remote controller wiring not connected</li> <li>• Remote controller failure</li> <li>• Open fuse or tripped circuit breaker (outdoor unit)</li> </ul>
Checking the connection. Please stand by. *	<ul style="list-style-type: none"> <li>• Indoor PC-board assembly failure</li> <li>• Wrong wiring (between indoor and outdoor units)</li> </ul>

\* [Checking the connection. Please stand by.] will be displayed for up to 90 seconds following the application of power to the indoor unit. This is normal and does not indicate a malfunction.

## 8. Procedure for Checking Error History

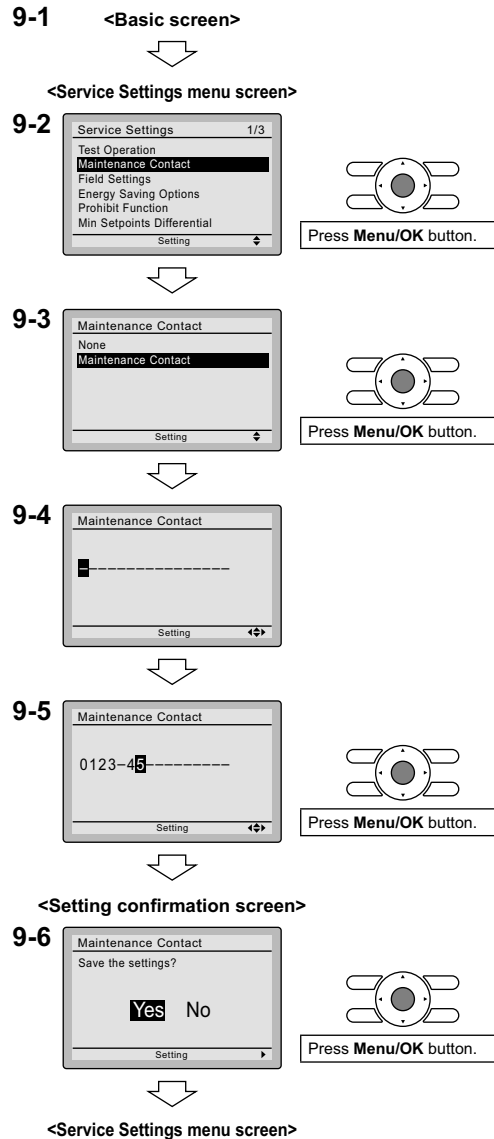
- 8-1** Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.
- 8-2** Select **Error History** in the service settings menu, and press **Menu/OK** button. The error history menu screen is displayed.
- 8-3** Select **RC Error History** in the error history menu, and press **Menu/OK** button. Error codes and unit No. can be confirmed in the RC error history screen.
- 8-4** In the error history, the 10 most recent items are displayed in order of occurrence.
- 8-5** Press **Cancel** button in the RC error history screen 3 times. The basic screen returns.



# 9. Entering Maintenance Contact Information

- Registration of the maintenance contact.

- 9-1** Press and hold **Cancel** button for 4 seconds or longer in the basic screen.  
Service settings menu is displayed.
- 9-2** Select **Maintenance Contact** in the service settings menu, and press **Menu/OK** button. "Maintenance Contact" menu screen is displayed.
- 9-3** Select **Maintenance Contact**, and press **Menu/OK** button.
- 9-4** Enter the telephone number.  
Scroll through the numbers by using **▲▼** (Up/Down) buttons. Start from the left side. Blank digits should remain as " \_".
- 9-5** Press **Menu/OK** button.  
Setting confirmation screen is displayed.
- 9-6** Select **Yes** and press **Menu/OK** button.  
Setting details are determined and service settings menu screen returns.
- 9-7** Press **Cancel** button once.  
The basic screen returns.

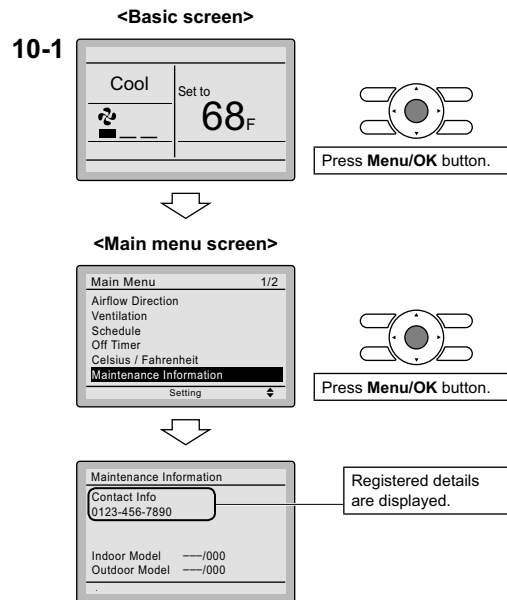




## 10. Confirmation registered details

**10-1** Press **Menu/OK** button in the basic screen.  
Main menu is displayed.  
Select **Maintenance Information** in the main menu, and press **Menu/OK** button.

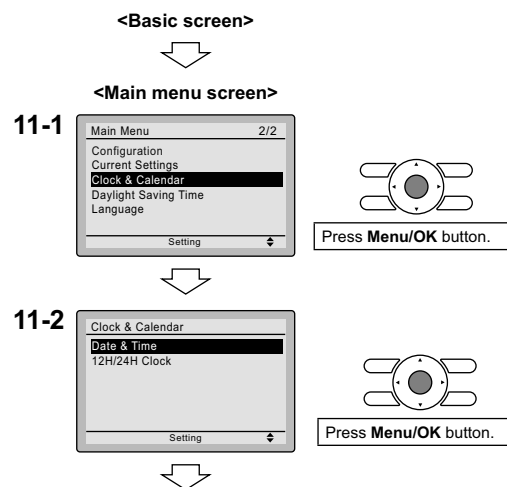
**10-2** Press **Cancel** button twice.  
The basic screen returns.



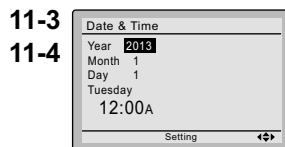
## 11. Clock & Calendar

**11-1** Press **Menu/OK** button in the basic screen.  
Main menu is displayed.  
Select **Clock & Calendar** in the main menu, press **Menu/OK** button.

**11-2** Press **▲▼** buttons to select **Date & Time** on the clock & calendar screen.  
\* The date & time screen will appear when the **Menu/OK** button is pressed.



**11-3** Select **year, month, day** and **time** by using ◀▶ (Left/Right) button and set by using ▲▼ (Up/Down) button in the Date & Time screen. Press and hold the button for continuous change of the numeric value.  
 \* Day of the week is set automatically.

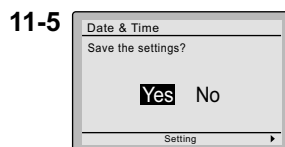


**11-4**



Press **Menu/OK** button.

**11-4** Press **Menu/OK** button.  
 Setting confirmation screen is displayed.



**11-5**



Press **Menu/OK** button.

**11-5** Select **Yes** and press **Menu/OK** button.  
 Setting details are confirmed and basic screen returns.

<Basic screen>

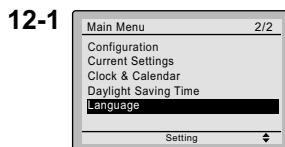
\* If duration of power outage exceeds 48 hours, reset is needed.

## 12. Language

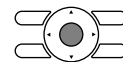
**12-1** Press **Menu/OK** button in the basic screen.  
 Main menu is displayed.  
 Select **Language** in the main menu, press **Menu/OK** button.

<Basic screen>

<Main Menu screen>

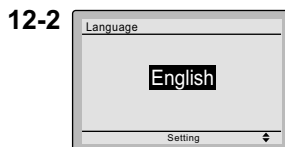


**12-1**



Press **Menu/OK** button.

**12-2** Press ▲▼ (Up/Down) buttons to select **Language** on the language screen.  
 English/Français/Español  
 Press **Menu/OK** button.



**12-2**

## 2.3 <BRC7E830> Wireless Remote Controller

### CONTENTS

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2. BEFORE INSTALLATION.....	2
3. REMOTE CONTROLLER INSTALLATION.....	2
4. RECEIVER INSTALLATION.....	3
5. FIELD SETTING .....	7
6. TEST RUN .....	9

### 1. SAFETY CONSIDERATIONS

Please read these “SAFETY CONSIDERATIONS” carefully before installing air conditioning equipment and be sure to install it correctly. After completing the installation, make sure that the unit operates properly during the test run. Please instruct the customer on how to operate the unit and keep it maintained.

Also, inform customers that they should store this installation manual along with the operation manual for future reference. This air conditioner comes under the term “appliances not accessible to the general public”.

Meaning of warning, caution and note symbols.

**⚠ WARNING** . . . . . Indication a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION** . . . . . Indication a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**⚠ NOTE** . . . . . Indication situation that may result in equipment or property-damage-only accidents.

---

**⚠ WARNING**

- **Perform installation work in accordance with this installation manual.**  
Improper installation may result in electric shocks or fire.
  - **Be sure to use only the specified accessories and parts for installation work.**  
Failure to use the specified parts may result in, electric shocks, fire or the unit falling.
  - **Before touching electrical parts, turn off the unit.**
  - **Do not touch the switch with wet fingers.**  
Touching a switch with wet fingers can cause electric shock.
- 

**⚠ CAUTION**

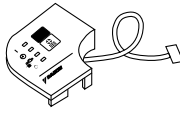
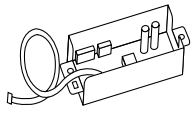

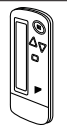

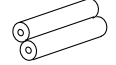


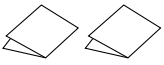
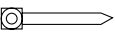
- **Refer also to the installation manuals attached to the indoor unit and the decoration panel.**
  - **Confirm that the following conditions are satisfied prior to installation.**  
Ensure that nothing interrupts the operation of the wireless remote controller. (Ensure that there is neither a source of light nor fluorescent lamp near the receiver. Also, ensure that the receiver is not exposed of direct sunlight.)  
Ensure that the operation display lamp and other indicators are easy to see.
  - **The installation position of this receiver is one corner of the decoration panel. Therefore, confirm that its position is set so that the signal from the wireless remote controller can be easily transmitted and its display can be easily seen.**
-

- If both this kit and fresh air intake kit are installed, only one duct chamber shall be used. Refer to the installation manual of the fresh air intake kit.

## 2. BEFORE INSTALLATION

### 2-1 ACCESSORIES

Check if the following accessories are included with your unit.

Name	Receiver	Transmitter board	Tapping screw for transmitter board	Wireless remote controller	Remote controller holder
Quantity	1 set.	1 pc.	2 pcs.	1 pc.	1 pc.
Shape					
Name	Dry cell battery LR03 (AAA)	Unit No. label	Screw for installing remote controller holder	Operation manual Installation manual	Clamp
Quantity	2 pcs.	1 pc.	2 pcs.	1 each	1 pc.
Shape					

### 2-2 NOTE TO THE INSTALLER

- Be sure to instruct the customer how to properly operate the system showing him/her the attached operation manual.

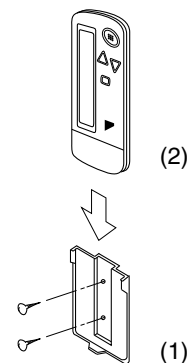
## 3. REMOTE CONTROLLER INSTALLATION

### <Installing wireless remote controller>

- Do not throw the remote controller or impose large shocks. Also, do not store where it may be exposed to moisture or direct sunlight.
- When operating, point the transmitting part of the remote controller in the direction of the receiver.
- The direct transmitting distance of the remote controller is approximately 23 ft.
- The signal cannot be transmitted if something such as curtains blocks the receiver and the remote controller.

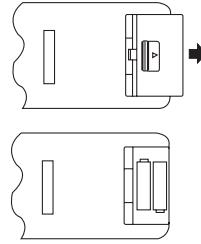
- **Installing to a wall or a pillar**

- (1) Fix the remote controller holder with the screws.
- (2) Slide the remote controller into the remote controller holder from the top.



- **How to insert the batteries**

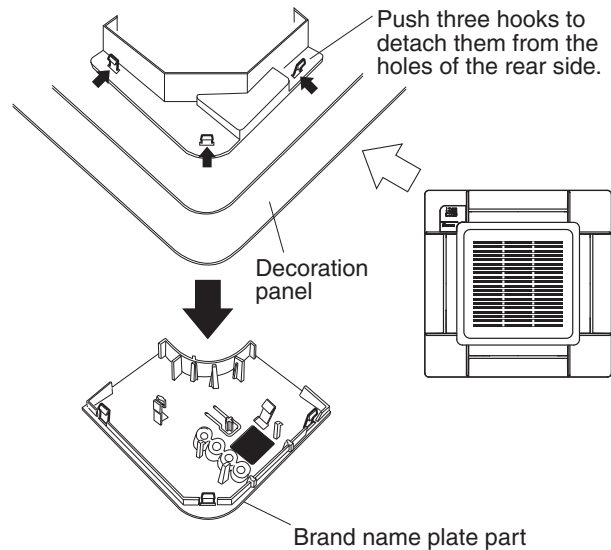
1. Open the back cover of the remote controller by sliding it in the direction of the arrow.
2. Insert the attached dry cell batteries. Properly insert, set the batteries by matching the (+) and (-) polarity marks as indicated. Then close the cover as before.



#### 4. RECEIVER INSTALLATION

##### (1) Preparations before installation

1. Detach the brand name plate part of the decoration corner panel piece, before attaching the decoration panel. This part is not needed hereafter.
2. Next, remove the suction grille and the air filter according to the instructions in the installation manual attached to the decoration panel.
3. Remove the control box cover according to the instructions in the installation manual attached to the indoor unit.  
(Be sure to turn off power, before removing the control box cover.)



##### (2) Determination of address and MAIN/SUB remote controller.

If setting multiple wireless remote controllers to operate in one room, perform address setting for the receiver and the wireless remote controller.  
If setting multiple wired remote controllers in one room, change the MAIN/SUB switch of the receiver.

**SETTING PROCEDURE**

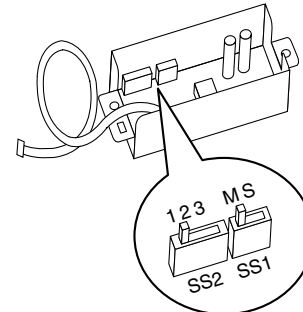
**1. Setting the receiver**

Set the wireless address switch (SS2) on the transmitter board according to the table below.

Unit No.	No. 1	No. 2	No. 3
Wireless address switch (SS2)			

When using both a wired and a wireless remote controller for 1 indoor unit, the wired controller should be set to MAIN. Therefore, set the MAIN/SUB switch (SS1) of the transmitter board to SUB.

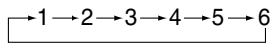
	MAIN	SUB
MAIN/SUB switch (SS1)		



**2. Setting the address of wireless remote controller (It is factory set to "1")**

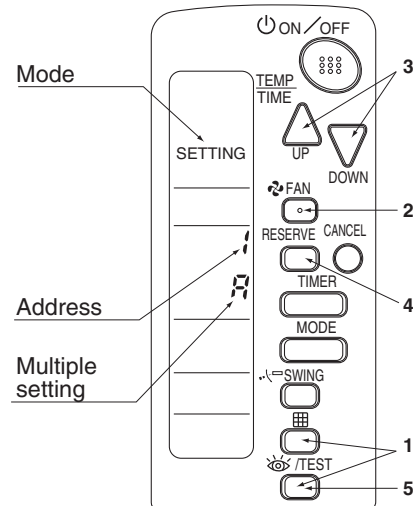
<Setting from the remote controller>

1. Hold down the button and the button for at least 4 seconds to get the Field Set mode. (Indicated in the display area in the figure at right.)
2. Press the button and select a multiple setting (A/b). Each time the button is pressed the display switches between "A" and "b".
3. Press the button and button to set the address.



Address can be set from 1 to 6, but set it to 1 – 3 and to same address as the receiver. (The receiver does not work with address 4 – 6.)

4. Press the button to enter the setting.
5. Hold down the button for at least 1 second to quit the Field Set mode and return to the normal display.



— **Multiple settings A/b** —

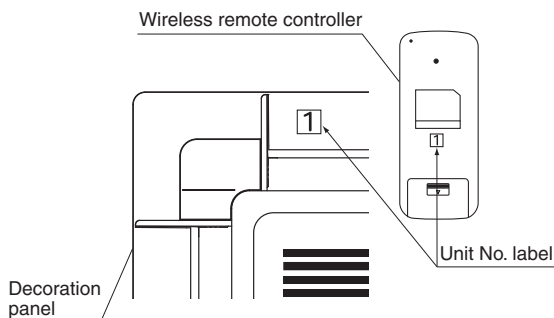
When the indoor unit is operated by outside control (central remote controller, etc.), it sometimes does not respond to ON/OFF and temperature setting commands from this remote controller. Check what setting the customer wants and make the multiple setting as shown below.

Remote controller		Movement when the operation is controlled by the other air conditioners and equipment
Multiple setting	Remote controller display	
A: Standard	All items displayed.	When operation changeover, temperature setting or the like is carried out from the remote controller, the indoor unit rejects the instruction. (Signal receiving sound “peeh” or “pick-pick-pick”) As a result, a discrepancy between the operation state of the indoor unit and the indication of the remote controller display occurs.
b: Multi System	Operations remain displayed shortly after execution.	Since the indication of the remote controller is turned off, no discrepancy such as mentioned above occurs.

**3. Stick the Unit No. label on the air outlet of the decoration panel and the back of the wireless remote controller.**

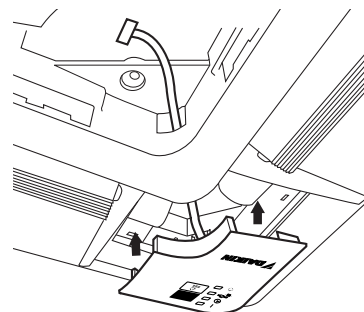
**[PRECAUTIONS]**

Set the Unit No. of the receiver and the wireless remote controller to be equal. If the settings differ, the signal from the remote controller cannot be transmitted.

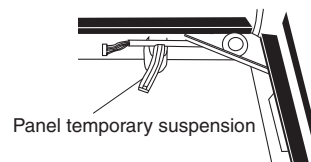


**(3) Receiver installation**

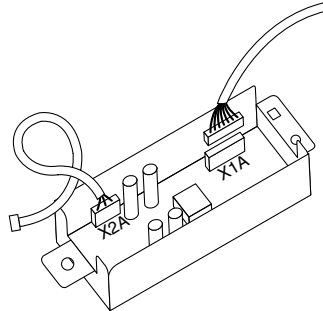
1. As shown at right, pass the harness from the receiver through the wiring hole of the decoration panel. Then, attach the receiver to the decoration panel.



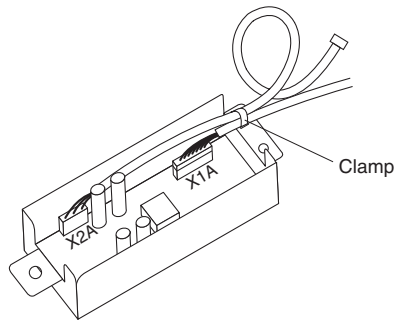
2. Hook the harness from the receiver on the upper part of the panel temporary suspension of the decoration panel. Be sure to push the harness to the groove.



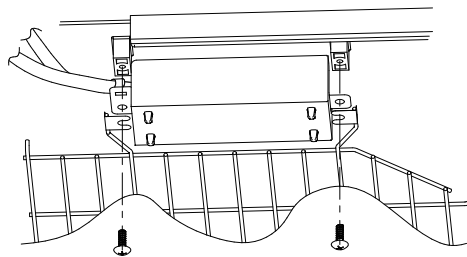
3. Attach the decoration panel to the indoor unit.  
(Refer to the installation manual attached to the decoration panel.)
4. Connect the harness from the receiver to the connector X1A on the transmitter board.



After connecting, use the attached clamp to fix the two harnesses to the transmitter board box.

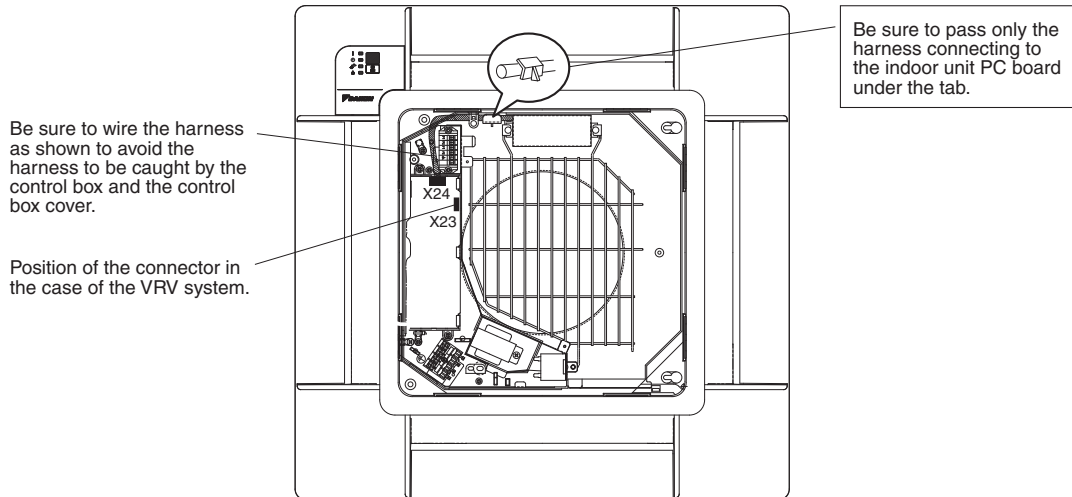


5. Use two tapping screws to attach the transmitter board to the indoor unit, as shown in the figure.





- Connect the harness from the transmitter board to the connector X23 or X24 on the indoor unit PC board.

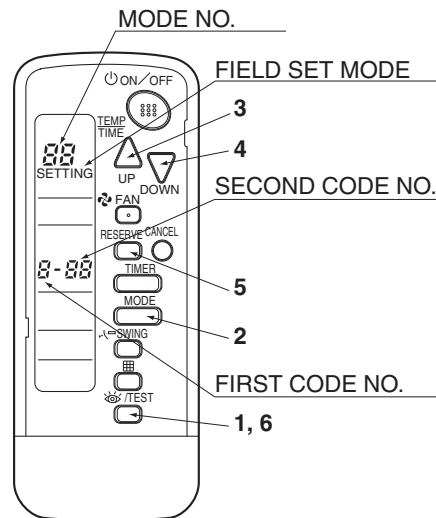


### 5. FIELD SETTING

If optional accessories are mounted on the indoor unit, the indoor unit setting may have to be changed. Refer to the installation manual for each optional accessory.

#### Procedure

- When in the normal mode, press the button for a minimum of four seconds, and the FIELD SET MODE is entered.
- Select the desired MODE NO. with the button.
- Push the “” button and select the FIRST CODE NO.
- Push the “” button and select the SECOND CODE NO.
- Push the button and the present settings are SET.
- Push the button to return to the normal mode.



(Example)

If the time to clean air filter is set to "Filter Contamination-Heavy", set Mode No. to "10", FIRST CODE NO. to "0", and SECOND CODE NO. to "02".

MODE NO.	FIRST CODE NO.	DESCRIPTION OF SETTING		SECOND CODE NO. NOTE)				
				01	02	03		
10	0	Filter Contamination-Heavy/Light (Setting for spacing time of display time to clean air filter) (Setting for when filter contamination is heavy, and spacing time of display time to clean air filter is to be halved)	Long-life type	light	approx. 2,500 hours	heavy	approx. 1,250 hours	-
	3	Spacing time of display time to clean air filter count (Setting for when the filter sign is not to be displayed)		Display		Do not display		-
12 (VRV system)	1	ON/OFF input from outside (Set to enable starting/stopping from remote.)		Forced OFF input		ON/OFF		-
	2	Thermostat differential changeover (Set when using remote controller thermostat sensor.)		1°F		0.5°F		-
13	1	Selection of Air Flow Direction (Setting for when a sealing member of air discharge outlet kit has been installed)		F		T		W
	4	Air Flow Direction Range Setting		Upper		Normal		Lower

**NOTE** 

- The SECOND CODE NO. is factory set to "01". However, for the following cases it is set to "02".
  - Air Flow Direction Range Setting

Do not use any settings not listed in the table.

For group control with a wireless remote controller, initial settings for all the indoor units of the group are equal. (For group control, refer to the installation manual attached to the indoor unit for group control.)

## 6. TEST RUN

- Perform test run according to the instructions in the installation manual attached to the indoor unit.
- After refrigerant piping, drain piping, and electric wiring, operate according to the table to protect the unit.

### [PRECAUTIONS]

1. Refer to malfunction code of installation manual attached to the indoor unit, if it does not operate.
2. Refer to the installation manual attached to the outdoor unit for individual operation system types.

Order	Operation
(1)	Open gas side stop valve.
(2)	Open liquid side stop valve.
(3)	Electrify for 6 hours.
(4)	Set to cooling with the remote controller and push <input type="button" value="ON/OFF"/> button to start operation.
(5)	Push <input type="button" value="TEST"/> button twice and operate in TEST RUN mode for 3 minutes.
(6)	Push <input type="button" value="SWING"/> button and confirm its operation.
(7)	Push <input type="button" value="TEST"/> button and operate normally.
(8)	Confirm its function according to the operation manual.





### 3. Outdoor Unit

#### 3.1 Safety Considerations

Read these ***SAFETY CONSIDERATIONS for Operations*** carefully before operating an air conditioner or heat pump. Make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit.

Inform customers that they should store this Operation Manual with the Installation Manual for future reference.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:




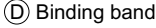
-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.

- Do not install the unit in an area where flammable materials are present due to risk of explosion or it will result in serious injury or death.
- Any abnormalities in the operation of the air conditioner or heat pump, such as smoke or fire, will result in severe injury or death. Turn off the power and contact your dealer immediately.
- Refrigerant gas may produce toxic gas if it comes into contact with fire, such as from a fan, heater, stove, or cooking device. Exposure to this gas will result in severe injury or death.
- For refrigerant leakage, consult your dealer. Refrigerant gas is heavier than air and replaces oxygen. A massive leak will result in oxygen depletion, especially in basements, and an asphyxiation hazard will result, leading to serious injury or death.
- If equipment utilizing a burner is used in the same room as the air conditioner or heat pump, there is the danger of oxygen deficiency which will result in an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.
- Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, will result in stabs or other injuries.
- Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags will result in death by suffocation.
- Contact your dealer for repair and maintenance. Improper repair and maintenance could result in water leakage, electric shock, and fire. Only use accessories made by Daikin that are specifically designed for use with the equipment and have them installed by a professional.
- Contact your dealer to move and reinstall the air conditioner or heat pump. Incomplete installation could result in water leakage, electric shock, and fire.
- Never let the indoor unit or the remote controller get wet. Water could result in an electric shock or a fire.
- Never use flammable spray such as hair spray, lacquer, or paint near the unit. Flammable spray could result in a fire.
- When a fuse blows out, never replace it with one of incorrect ampere ratings or different wires. Always replace any blown fuse with a fuse of the same specification.
- Never remove the fan guard of the unit. A fan rotating at high speed without the fan guard is very dangerous and could result in injury.
- Never inspect or service the unit by yourself. Contact a qualified service person to perform this work.
- Turn off all electrical power before doing any maintenance to avoid the risk of serious electric shock; never sprinkle or spill water or liquids on the unit.
- Do not touch the switch with wet fingers. Touching a switch with wet fingers could result in electric shock.
- Do not allow children to play on or around the unit to prevent injury.
- The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins while working around them.
- Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and could result in injury.
- Check the unit foundation for damage on a continuous basis, especially if it has been in use for a long time. If left in a damaged condition the unit may fall and could result in injury.

- Placing a flower vase or other containers with water or other liquids on the unit could result in a shock or fire if a spill occurs.
- Do not touch the air outlet or horizontal blades while the swing flap is in operation could result in fingers getting caught and injured.
- Never touch the internal parts of the controller. Do not remove the front panel because some parts inside are dangerous to touch. To check and adjust internal parts, contact your dealer.
- Do not use the air conditioner or heat pump for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- Do not place items under the indoor unit as it could result in damage by condensates that may form if the humidity is above 80% or if the drain outlet gets blocked.
- Before cleaning, stop the operation of the unit by turning the power off or by pulling the supply cord out from its receptacle. Otherwise, an electric shock and injury could result.
- Do not wash the air conditioner or heat pump with excessive water. An electric shock or fire could result.
- Avoid placing the controller in a spot splashed with water. Water entering the controller could result in an electric shock or damage the internal electronic parts.
- Do not operate the air conditioner or heat pump when using a room-fumigation type of insecticide. Failure to observe this could result in the chemicals to be deposited in the unit and can endanger the health of those who are hypersensitive to chemicals.
- Do not turn off the power immediately after stopping operation. Always wait for at least five minutes before turning off the power. Otherwise, water leakage could result.
- The appliance is not intended for use by young children or infirm persons without supervision.
- The remote controller should be kept away from children so they cannot play with it.
- Consult with the installation contractor for cleaning.
- Incorrect cleaning of the inside of the air conditioner or heat pump could result in the plastics parts breaking, resulting in water leakage or electric shock.
- Do not touch the air inlet or aluminum fin of the air conditioner or heat pump as they can cut and could result in injury.
- Do not place objects in direct proximity of the outside unit. Do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, animals can result in the unit malfunctioning, and could result in smoke or fire when they make contact with electrical parts.
- Never press the button of the remote controller with a hard, pointed object. The remote controller may result in damage.
- Never pull or twist the electric wire of the remote controller. It may result in the unit malfunctioning.
- Do not place appliances that produce open flames in places that are exposed to the air flow of the unit or under the indoor unit. It may result in incomplete combustion or deformation of the unit due to the heat.
- Do not expose the controller to direct sunlight. The LCD display can become discolored and may result in fail to display the data.
- Do not wipe the controller operation panel with benzene, thinner, chemical dust cloth, etc. The result may be that the panel becomes discolored or the coating can peel off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it with another dry cloth.
- Dismantling of the unit, disposal of the refrigerant, oil, and additional parts, should be done in accordance with the relevant local, state, and national regulations.
- Operate the air conditioner or heat pump in a sufficiently ventilated area and not surrounded by obstacles. Do not use the air conditioner or heat pump in the following places.
  - a. Places with a mist of mineral oil, such as cutting oil.
  - b. Locations such as coastal areas where there is a lot of salt in the air.
  - c. Locations such as hot springs where there is a lot of sulfur in the air.
  - d. Locations such as factories where the power voltage varies a lot.
  - e. In cars, boats, and other vehicles.
  - f. Locations such as kitchens where oil may splatter or where there is steam in the air.
  - g. Locations where equipment produces electromagnetic waves.
  - h. Places with an acid or alkaline mist.
  - i. Places where fallen leaves can accumulate or where weeds can grow.
- Take snow protection measures. Contact your dealer for the details of snow protection measures, such as the use of a snow protection hood.

- Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with your dealer for electrical work and grounding work.
- Pay Attention to Operating Sound. Be sure to use the following places:
  - a. Places that can sufficiently withstand the weight of the air conditioner or heat pump yet can suppress the operating sound and vibration.
  - b. Places where warm air from the air outlet of the outside unit or the operating sound of the outside unit does not annoy neighbors.
- Make sure that there are no obstacles close to the outside unit. Obstacles close to the outside unit may drop the performance of the outside unit or increase the operating sound of the outside unit.
- Consult your dealer if the air conditioner or heat pump in operation generates unusual noise.
- Make sure that the drainpipe is installed properly to drain water. If no water is discharged from the drainpipe while the air conditioner or heat pump is in the cooling mode, the result may be that the drainpipe becomes clogged with dust or dirt and water leakage from the indoor unit may occur. Stop operating the air conditioner or heat pump and contact your dealer.

3.2 2MXS18GVJU

Accessories					
Accessories supplied with the outdoor unit:					
(A) Installation Manual 	1	(B) Drain plug  There is on the bottom packing case.	1	(C) Tube 	1
				(D) Binding band 	2

## Precautions for Selecting the Location

**OUTDOOR UNIT**

- 1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation sound will not be amplified.
- 2) Choose a location where the hot air discharged from the unit or the operation sound will not cause a nuisance to the neighbors of the user.
- 3) Avoid places near a bedroom and the like, so that the operation sound will cause no trouble.
- 4) There must be sufficient spaces for carrying the unit into and out of the site.
- 5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
- 6) The site must be free from the possibility of flammable gas leakage in a nearby place.
- 7) Install units, power cords and inter-unit cables at least 9.5 feet away from television and radio sets. This is to prevent interference to images and sounds. (Noises may be heard even if they are more than 9.5 feet away depending on radio wave conditions.)
- 8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
- 9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.


**NOTE**

Cannot be installed hanging from ceiling or stacked.

**CAUTION**

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

- 1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
- 2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
- 3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
- 4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.



- Construct a large canopy.
- Construct a pedestal.

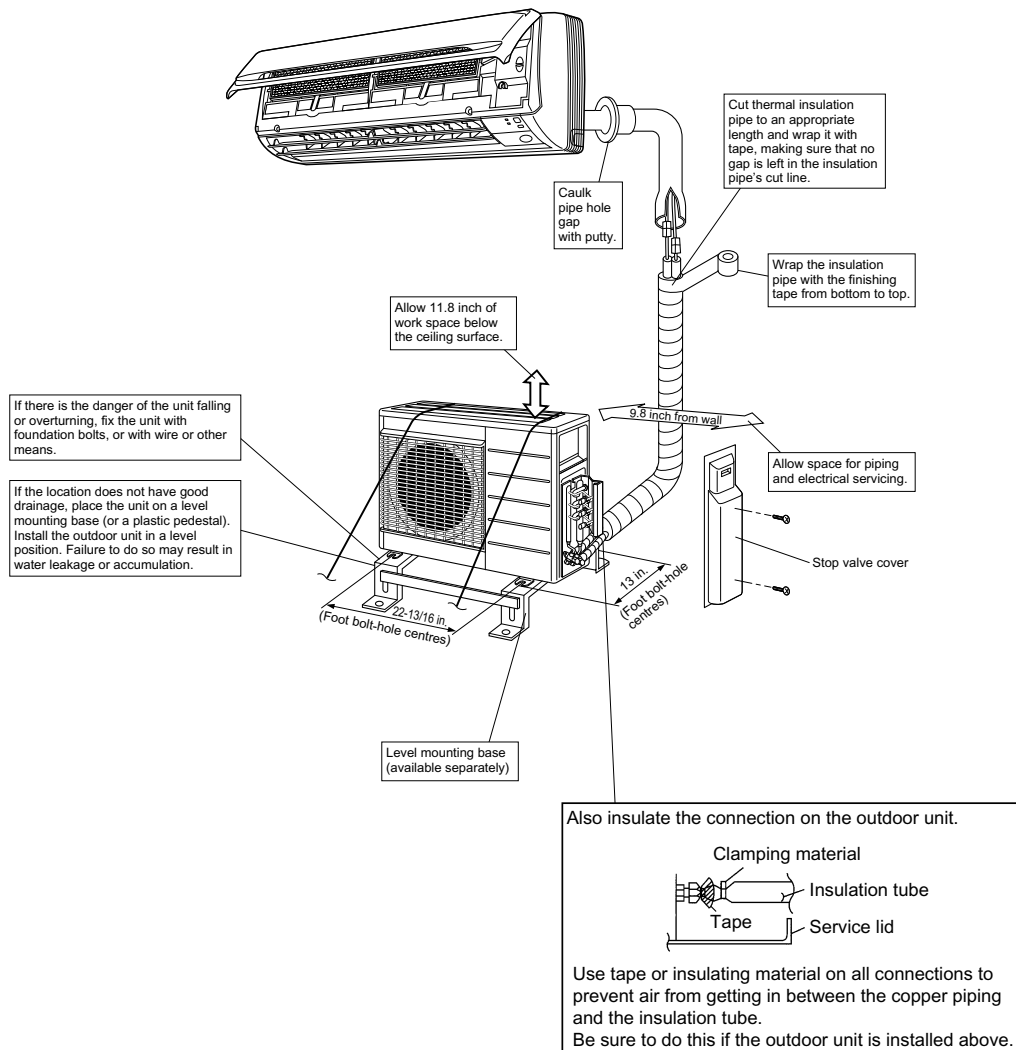
Install the unit high enough off the ground to prevent burying in snow.

## Indoor/Outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.  
(The diagram shows a wall-mounted indoor unit.)

**CAUTION**

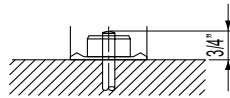
- Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.  
Make sure no dirt or moisture gets into either side of the embedded branch piping.  
See "6 Refrigerant Piping Work" in "Outdoor Unit" for details.
- It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms.**





### Precautions on Installation

- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installed.
- In accordance with the foundation drawing in fix the unit securely by means of the foundation bolts. (Prepare four sets of M3/8" or M7/16" foundation bolts, nuts and washers each which are available on the market.)
- It is best to screw in the foundation bolts until their length are 3/4" from the foundation surface.



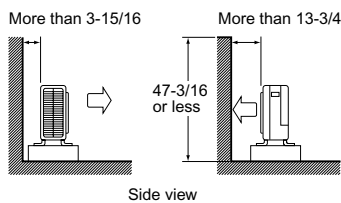
### Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid place if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber (field supply).

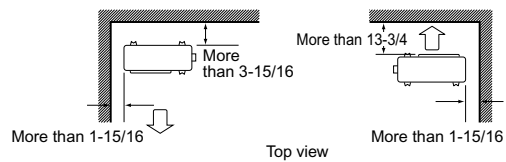
### Outdoor Unit Installation Guidelines

- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 4 ft or less.

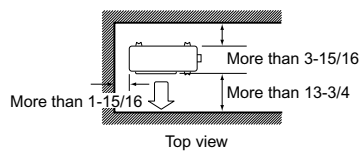
Wall facing one side



Walls facing two sides



Walls facing three sides

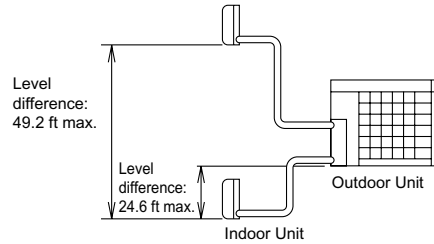
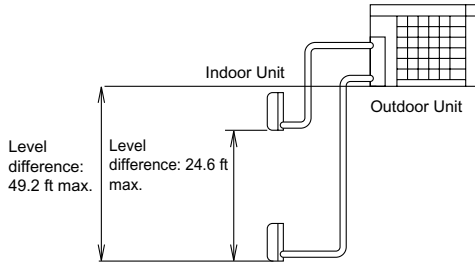


Unit: in.

## Selecting a Location for Installation of the Indoor Units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 9.8 ft.**)

Outdoor unit capacity class	2MXS18
Piping to each indoor unit	82 ft max.
Total length of piping between all units	164 ft max.



If the outdoor unit is positioned higher than the indoor units.

If the one indoor unit is positioned higher than the outdoor unit, and other indoor unit is positioned lower than it.

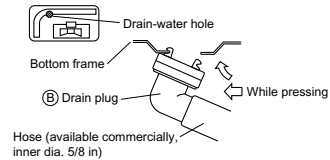
## Outdoor Unit

### 1. Installing Outdoor Unit

- When installing the outdoor unit, refer to "Precautions for Selecting the Location" and the "Indoor/Outdoor Unit Installation Drawings".
- If drain work is necessary, follow the procedures below.

### 2. Drain Work

- Use **Ⓑ** drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 1-3/16 inch in height under the outdoor unit's feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)

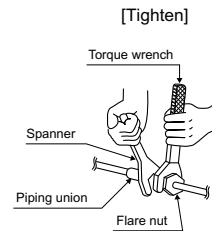
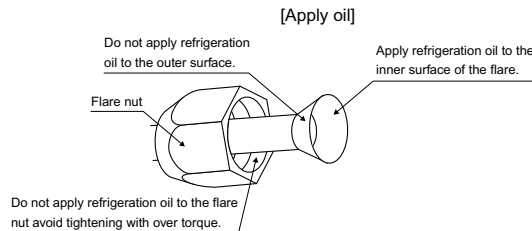


### 3. Refrigerant Piping

#### ⚠ CAUTION

- Use the flare nut fixed to the main unit. (To prevent cracking of the flare nut by aged deterioration.)
- To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque	
Flare nut for $\phi 1/4$	10.5~12.7 ft-lbf
Flare nut for $\phi 3/8$	24.1~29.4 ft-lbf
Flare nut for $\phi 1/2$	36.5~44.5 ft-lbf
Flare nut for $\phi 5/8$	45.6~55.6 ft-lbf

Valve cap tightening torque	
Liquid pipe	19.5~23.8 ft-lbf
Gas pipe	35.5~44.0 ft-lbf

Service port cap tightening torque	
7.9~10.8 ft-lbf	

## Outdoor Unit

### 4. Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage. Refer to "Purging Air and Checking Gas Leakage".

### 5. Charging with Refrigerant

- If the total length of piping for all rooms exceeds the figure listed below, additionally charge with **0.22 oz/ft** of refrigerant (R410A) for each additional feet of piping.

Outdoor unit capacity class	2MXS18
Total length of piping for all rooms	98.4 ft

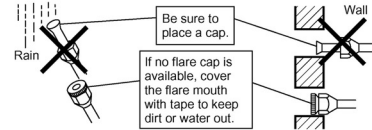
#### **CAUTION**

Even though the stop valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

### 6. Refrigerant Piping Work

#### 6-1 Cautions on pipe handling

- Protect the open end of the pipe against dust and moisture.
- All pipe bends should be as gentle as possible. Use a pipe bender for bending.



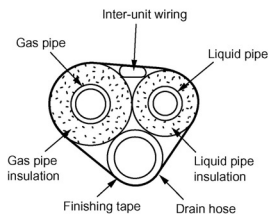
#### 6-2 Selection of copper and heat insulation materials

When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030 Btu/ft<sup>2</sup>°F)  
Be sure to use insulation that is designed for use with HVAC Systems.

- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

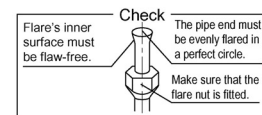
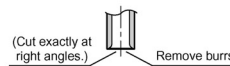
Gas pipe	O.D.: 3/8", 1/2" / Thickness:0.031" (C1220T-O) O.D.: 5/8" / Thickness:0.039" (C1220T-O)
Liquid pipe	O.D.: 1/4" / Thickness:0.031" (C1220T-O)
Gas pipe insulation	I.D.: 0.472~0.590" / Thickness:0.511" min. I.D.: 0.630~0.787" / Thickness:0.511" min.
Liquid pipe insulation	I.D.: 0.315~0.393" / Thickness:0.393" min.
Minimum bend radius	O.D.: 3/8", 1/4" / 1-3/16" or more O.D.: 1/2" / 1-9/16" or more O.D.: 5/8" / 1-15/16" or more



- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

### 7. Flaring the Pipe End

- Cut the pipe end with a pipe cutter.
- Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- Put the flare nut on the pipe.
- Flare the pipe.
- Check that the flaring is properly made.



Flaring

Set exactly at the position shown below.

Die	Flare tool for R410A		Conventional flare tool	
	Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)	
A	0~0.020"	0.039~0.059"	0.059~0.079"	

#### **WARNING**

- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the unit life.
- Never use piping which has been used for previous installations. Only use parts which are provided with the unit.
- Do never install a refrigerant drier to this unit.
- The drying material may dissolve and damage the system.
- Incomplete or improper flaring may cause refrigerant gas leakage.

## Purging Air and Checking Gas Leakage

- When the piping work is completed, it is necessary to purge the air and check for gas leakage.

### WARNING

- Do not place any substance other than the specified refrigerant (R410A) into the refrigeration cycle.
  - When a refrigerant gas leak occurs, ventilate the room as soon and as much as possible.
  - R410A, as well as other refrigerants, should always be recovered and never be released directly into the environment.
  - Use a vacuum pump for R410A exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.
- 
- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
  - Use a hexagonal wrench (3/16") to operate the stop valve rod.
  - All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

1) Connect projection side of charging hose (which comes from gauge manifold) to gas stop valve's service port.



2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)



3) Apply vacuum pumping. Check that the compound pressure gauge reads -29.9 in Hg. Evacuation for **at least 1 hour** is recommended.



4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump.  
(Leave as is for 4~5 minutes and make sure the coupling meter needle does not go back.  
If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2~4.)



5) Remove covers from liquid stop valve and gas stop valve.



6) Turn the liquid stop valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve. Close it after 5 seconds, and check for gas leakage. Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods. After the check is complete, wipe all soapy water off.



7) Disconnect charging hose from gas stop valve's service port, then fully open liquid and gas stop valves. (Do not attempt to turn valve rod beyond its stop.)

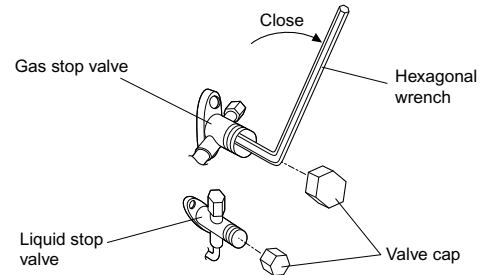


8) Tighten valve caps and service port caps for the liquid and gas stop valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Outdoor Unit" for details.

## Pump Down Operation

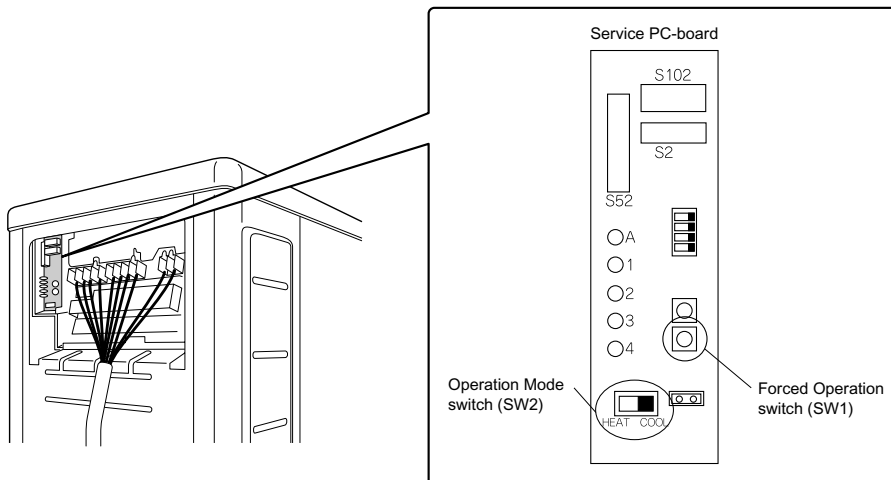
In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

- 1) Remove the valve cap from liquid stop valve and gas stop valve.
- 2) Carry out forced cooling operation.
- 3) After five to ten minutes, close the liquid stop valve with a hexagonal wrench.
- 4) After two to three minutes, close the gas stop valve and stop forced cooling operation.



## Forced Operation

- 1) Turn the Operation Mode switch (SW2) to "COOL".
- 2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.



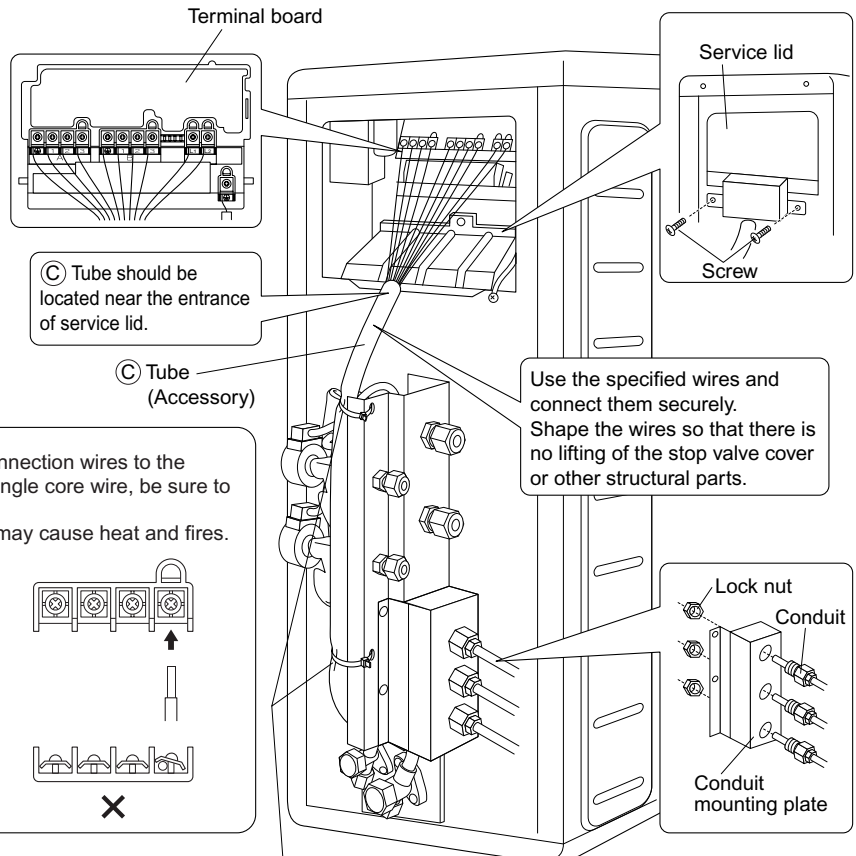
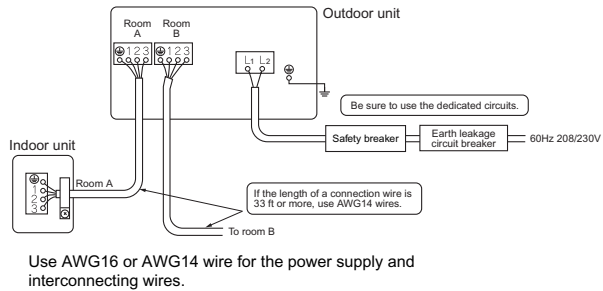
# Wiring

**⚠ WARNING**

- 1) Do not use spliced wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire. Follow all Local, and State electrical codes.
- 2) Do not use locally purchased electrical parts inside the product. (Do not overload the circuit by adding drain pump or other electrical equipment to unit terminals.) Doing so may cause electric shock or fire.
- 3) Be sure to install an earth leak detector. (One that can handle higher harmonics.)  
(This unit uses an inverter, which means that it must be used an earth leak detector capable handling harmonics in order to prevent malfunctioning of the earth leak detector itself.)
- 4) When carrying out wiring connection, take care not to pull at the conduit.
- 5) Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

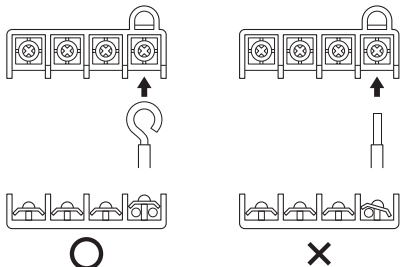
- Do not turn ON the safety breaker until all work is completed.

- 1) Strip the insulation from the wire (3/4").
- 2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match**. Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.



**⚠ CAUTION**

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling. Problems with the work may cause heat and fires.



- 3) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with a wire stop.

Fix the © tube with © binding band.

# Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting. Setting it in the guest and living rooms is convenient.

## About the Priority Room Setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.

### 1) Operation mode priority

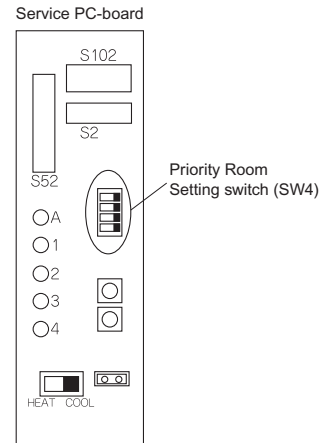
The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

### 2) Priority during powerful operation

If the indoor unit which is set for Priority Room Setting is operating at powerful, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

### 3) Quiet operation priority

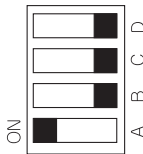
Setting the indoor unit to quiet operation will make the outdoor unit run quietly.



## Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set. (In the figure below, it is room A.) Once the settings are complete, reset the power.

**Be sure to only set one room**



## Night Quiet Mode Setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.  
Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

### About Night Quiet Mode

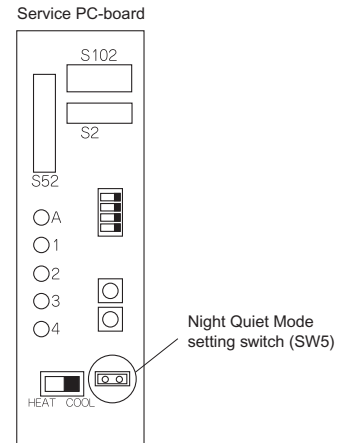
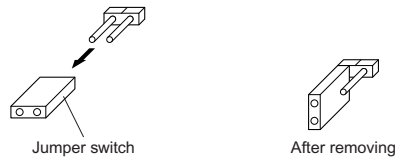
The Night Quiet Mode function reduces operating sound of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating sound on the neighbors. However, if Night Quiet Mode is running, cooling capacity will be saved.

### Setting procedure

Remove the SW5 jumper switch.  
Once the settings are complete, reset the power.

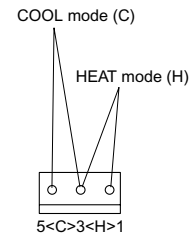
#### NOTE

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.



## COOL/HEAT Mode Lock <S15>

- Use the S15 connector to set the unit to only cool or heat.  
Setting to only heat (H): short-circuit pins 1 and 3 of the connector <S15>  
Setting to only cool (C): short-circuit pins 3 and 5 of the connector <S15>  
The following specifications apply to the connector housing and pins.  
JST products Housing: VHR-5N  
Pin: SVH-21T-1,1  
Note that forced operation is also possible in COOL/HEAT mode.





## Test Run and Final Check

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas stop valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

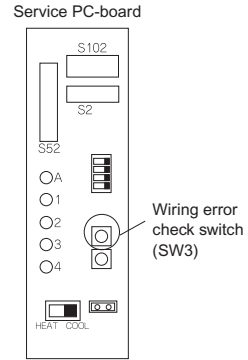
### Wiring error check

- This product is capable of automatic correction of wiring error.

Press the "wiring error check switch" on the outdoor unit service monitor print board. However, the wiring error check switch will not function for one minute after the safety breaker is turned on, or depending on the outside air conditions (See NOTE 2.). Approximately 10~15 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

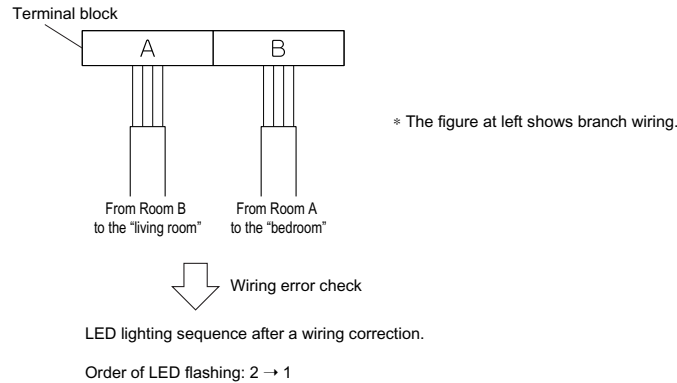
The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service guide.

If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.



LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing One after another		OFF [NOTE.1]		Automatic correction completed
	☀ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [NOTE. 4]

### Wiring correct example



### NOTE

- (1) LED 3 and 4 are not displayed.
- (2) If the outside air temperature is **41°F or less**, the wiring error check function will not operate.
- (3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
- (4) Follow the product diagnosis procedures. (Check the nameplate on the stop valve cover.)

## Test Run and Final Check

- To test cooling, set for the lowest temperature. To test heating, set for the highest temperature. (Depending on the room temperature, only heating or cooling (but not both) may be possible.)
- After the unit is stopped, it will not start again (heating or cooling) for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.  
Check both heating and cooling operation.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 14°F	Approx. 36°F

(When running in one room)

- During cooling operation, frost may form on the gas stop valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

### Items to check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling, no heating	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the stop valves open?	No cooling, no heating	
Do the marks match (room A, room B) on the wiring and piping for each indoor unit?	No cooling, no heating	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

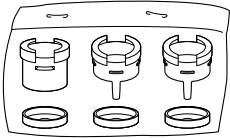
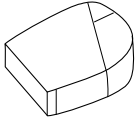
### ATTENTION

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the stop valve cover.

### 3.3 3MXS24JVJU, 4MXS32GVJU

## Accessories

Accessories supplied with the outdoor unit:

(A) Installation manual	1	(B) Drain socket assy 	1	(C) Reducer assy 	1
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## Precautions for Selecting the Location

### OUTDOOR UNIT

- 1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation sound will not be amplified.
- 2) Choose a location where the hot air discharged from the unit or the operation sound will not cause a nuisance to the neighbors of the user.
- 3) Avoid installing near bedrooms where operation sound might be a nuisance.
- 4) There must be sufficient spaces for carrying the unit into and out of the site.
- 5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
- 6) The site must be free from the possibility of flammable gas leakage in a nearby place.
- 7) Install units, power cords, and inter-unit cables at least 9.8 feet from television and radios to prevent interference. Noises may be heard even if more than 9.8 feet away, depending on radio wave conditions.
- 8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
- 9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

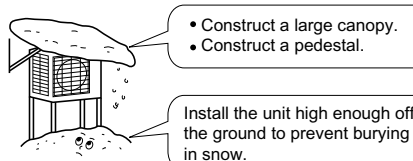
### NOTE

Cannot be installed hanging from ceiling or stacked.

### CAUTION

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

- 1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
- 2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
- 3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
- 4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.

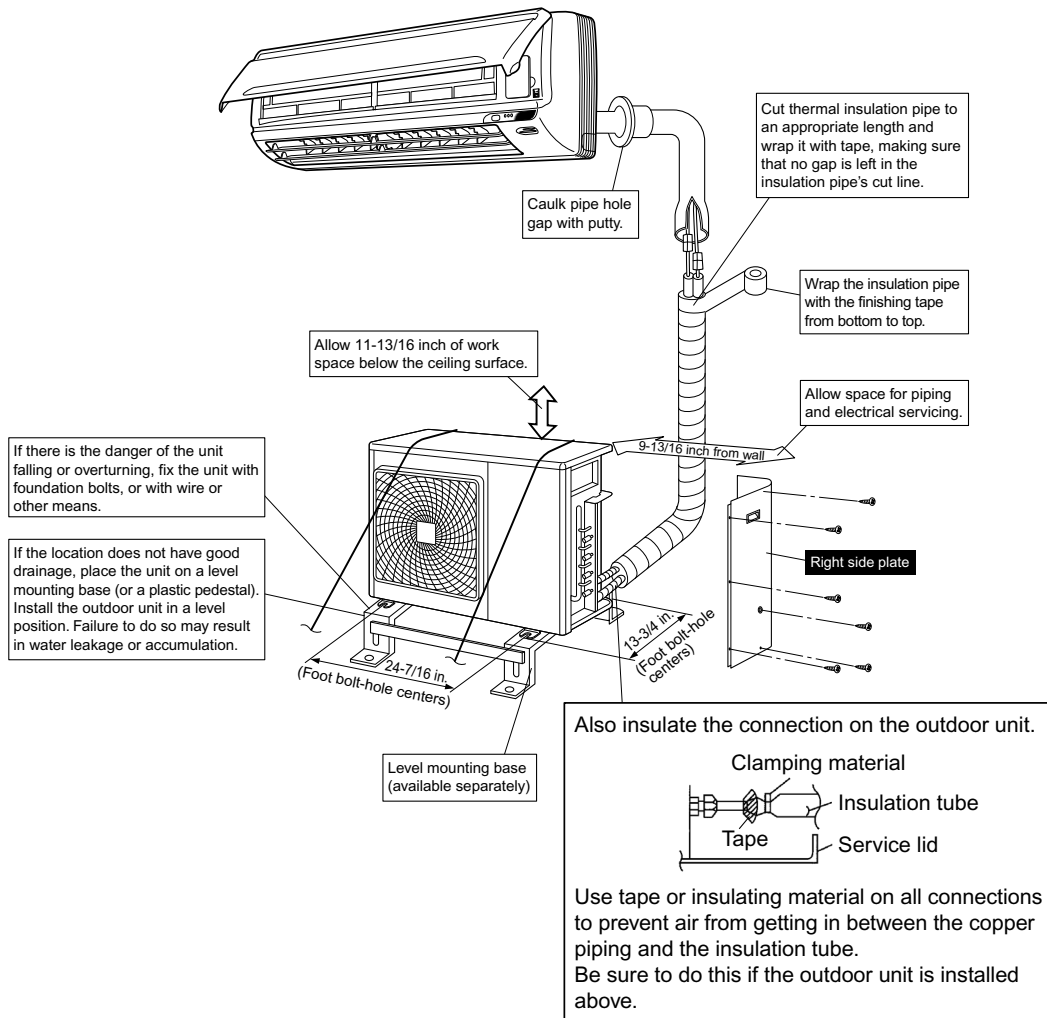


# Indoor/Outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.  
(The diagram shows a wall-mounted indoor unit.)

### CAUTION

- 1) Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.  
Make sure no dirt or moisture gets into either side of the embedded branch piping.  
See "7 Refrigerant Piping Work" in "Refrigerant Piping Work (3)" for details.
- 2) It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms.**



## Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid surface if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber isolator (field supply).

## Connections (connection port)

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.

The total indoor unit class that can be connected to this unit:

3MXS24\* – Up to 39000 Btu

4MXS32\* – Up to 45000 Btu

The line set piping size is determined by the size of the indoor unit fittings.

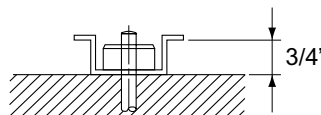
Reducers are used at the outdoor unit to accommodate the correct gas line pipe size.

Port	3MXS24*	4MXS32*	Reducer numbers
A	07, 09, 12	07, 09, 12	—
B	⓪7, ⓪9, ⓪12, 15, 18	⓪7, ⓪9, ⓪12, 15, 18	⓪ 07, 09 & 12 Use No. 2 & 4 reducers
C	⓪7, ⓪9, ⓪12, ⓪15, ⓪18	⓪7, ⓪9, ⓪12, ⓪15, ⓪18	⓪ 07, 09 & 12 Use No. 5 & 6 reducers 15 & 18 Use No. 1 & 3 reducers
D	—	⓪7, ⓪9, ⓪12, ⓪15, ⓪18	⓪ 07, 09 & 12 Use No. 5 & 6 reducers 15 & 18 Use No. 1 & 3 reducers

Refer to "How to Use Reducers" for information on reducer numbers and their shapes.

## Precautions on Installation

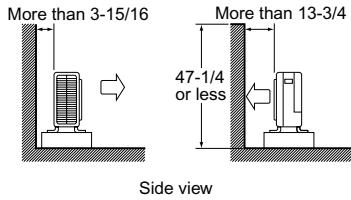
- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installation.
- In accordance with the foundation drawing fix the unit securely by means of the foundation bolts. (Prepare four sets of M12 foundation bolts, nuts and washers each which are available as field supply.)
- It is best to screw in the foundation bolts until their length is 3/4" from the foundation surface.



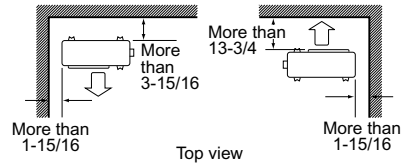
## Outdoor Unit Installation Guidelines

- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 4ft or less.

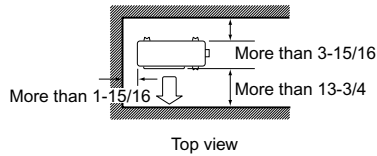
Wall facing one side



Walls facing two sides



Walls facing three sides

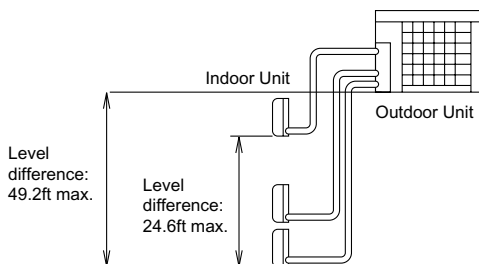


Unit: in.

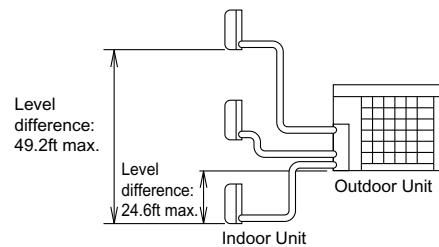
## Selecting a Location for Installation of the Indoor Units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 9.8ft.**)

Outdoor unit capacity class	3MXS24*, 4MXS32*
Piping to each indoor unit	82ft max.
Total length of piping between all units	230ft max.



If the outdoor unit is positioned higher than the indoor units.



If the outdoor unit is positioned lower than one or more of the indoor units.

## Refrigerant Piping Work (1)

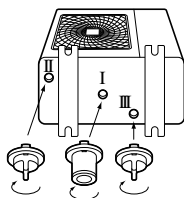
### 1 Installing Outdoor Unit

- When installing the outdoor unit, refer to "Precautions for Selecting the Location" and the "Indoor/Outdoor Unit Installation Drawings".
- If drain work is necessary, follow the procedures below.

### 2 Drain Work

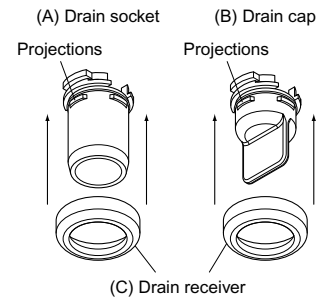
- Use drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 3-15/16in in height under the outdoor unit's feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)

1. Insert drain receiver (C) onto drain socket (A) and drain cap (B) beyond 4 projections around drain socket and drain cap.
2. Insert drain socket and drain caps into their matching drain hole ; Drain socket (A) into drain hole I and drain caps (B) into drain hole II and III. After insertion, turn them about 40° clockwise.



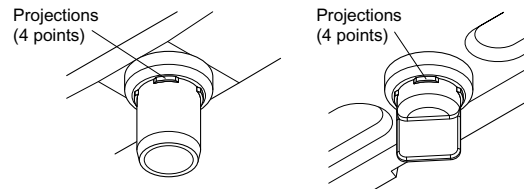
Be sure to insert sockets and caps into their proper drain holes to prevent water leakage.

(View from bottom)



#### NOTE

Check that the drain receiver (C) is correctly engaged with the projections of the drain socket (A) and drain cap (B). Otherwise, water leakage may result.



3. Connect vinyl hose on the market (internal diameter of 1 inch) to drain socket (A).  
(If the house is too long and hangs down, fix it carefully to prevent the kinks.)
4. Make sure that there is no water leakage from portion I, II, or III.

#### NOTE

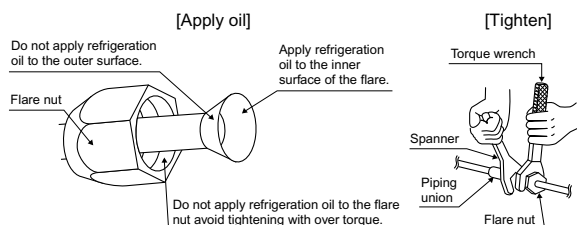
If the drain holes of the outdoor unit are covered with the mounting bracket or the floor, raise the unit to provide the space of more than 3-15/16 inch under the leg of the outdoor unit.

### 3 Refrigerant Piping

#### ⚠ CAUTION

- 1) Use the flare nut fixed to the main unit to prevent cracking and age deterioration.
- 2) To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- 3) Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque		Valve cap tightening torque	
Flare nut for $\phi 1/4$	10.5-12.7 ft-lbf	Liquid pipe	19.5-23.8 ft-lbf
Flare nut for $\phi 3/8$	24.1-29.4 ft-lbf		
Flare nut for $\phi 1/2$	36.5-44.5 ft-lbf	Gas pipe	35.5-44.0 ft-lbf
Flare nut for $\phi 5/8$	45.6-55.6 ft-lbf		
Service port cap tightening torque		7.9-10.8 ft-lbf	

## Refrigerant Piping Work (2)

### 4 Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage.

**⚠ WARNING**

- 1) Do not mix any substance other than the specified refrigerant (R410A) into the refrigeration cycle.
- 2) When refrigerant gas leaks occur, ventilate the room as soon and as much as possible.
- 3) R410A, as well as other refrigerants, should always be recovered and never be released directly into the environment.
- 4) Use a vacuum pump for R410A exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench (3/16") to operate the stop valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

- 1) Connect projection side of charging hose (which comes from gauge manifold) to gas stop valve's service port.
- ⇩
- 2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)
- ⇩
- 3) Apply vacuum pumping. Check that the compound pressure gauge reads -29.9in Hg. Evacuation for **at least 1 hour** is recommended.
- ⇩
- 4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump. (Leave as is for 4-5 minutes and make sure the coupling meter needle does not go back. If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2-4.)
- ⇩
- 5) Remove covers from liquid stop valve and gas stop valve.
- ⇩
- 6) Turn the liquid stop valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve. Close it after 5 seconds, and check for gas leakage. Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods. After the check is complete, wipe all soapy water off.
- ⇩
- 7) Disconnect charging hose from gas stop valve's service port, then fully open liquid and gas stop valves. (Do not attempt to turn valve rod beyond its stop.)
- ⇩
- 8) Tighten valve caps and service port caps for the liquid and gas stop valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Refrigerant Piping Work (1)" for details.

### 5 Refilling The Refrigerant

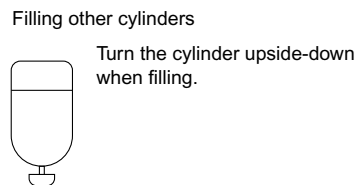
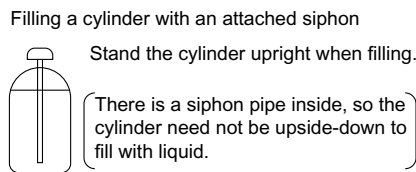
Check the type of refrigerant to be used on the machine nameplate.

**Precautions when adding R410A**

**Fill from the liquid pipe in liquid form.**

It is a mixed refrigerant, so adding it in gas form may cause the refrigerant composition to change, preventing normal operation.

- 1) Before filling, check whether the cylinder has a siphon attached or not. (It should have something like "liquid filling siphon attached" displayed on it.)



- 2) Be sure to use the R410A tools to ensure pressure and to prevent foreign objects entering.



## Refrigerant Piping Work (3)

### 6 Charging with Refrigerant

- If the total length of piping for all rooms exceeds the figure listed below, additionally charge with **0.22oz** of refrigerant (R410A) for each additional feet of piping.

Outdoor unit capacity class	3MXS24*, 4MXS32*
Total length of piping for all rooms	131.2ft

**CAUTION**

Even though the stop valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

### 7 Refrigerant Piping Work

#### Cautions on Pipe Handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.



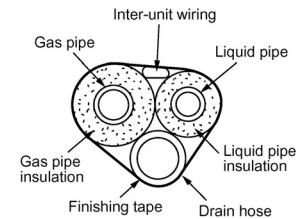
#### Selection of copper and heat insulation materials

When using commercial copper pipes and fittings, observe the following:

- 1) Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030 Btu/ft<sup>h</sup>°F)  
Be sure to use insulation that is designed for use with HVAC Systems.

- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas pipe	O.D.: 3/8", 1/2" / Thickness:0.031" (C1220T-O) O.D.: 5/8" / Thickness:0.039" (C1220T-O)
Liquid pipe	O.D.: 1/4" / Thickness:0.031" (C1220T-O)
Gas pipe insulation	I.D.: 0.472-0.590" / Thickness:0.511" min. I.D.: 0.630-0.787" / Thickness:0.511" min.
Liquid pipe insulation	I.D.: 0.315-0.393" / Thickness:0.393" min.
Minimum bend radius	O.D.: 3/8", 1/4" / 1-3/16" or more O.D.: 1/2" / 1-9/16" or more O.D.: 5/8" / 1-15/16" or more



- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

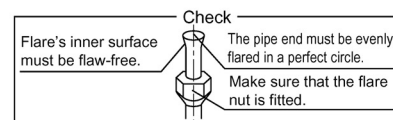
### 8 Flaring the Pipe End

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.

Flaring

Set exactly at the position shown below.

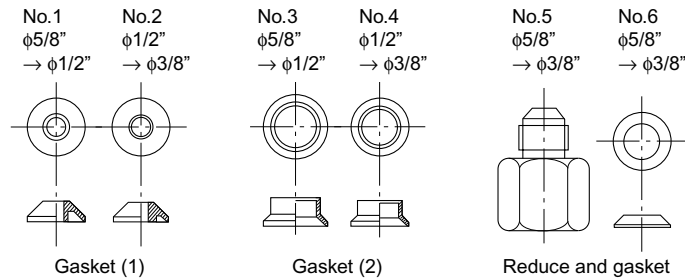
Flare tool for R410A	Conventional flare tool		
	Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)
A	0-0.020"	0.039-0.059"	0.059-0.079"



**WARNING**

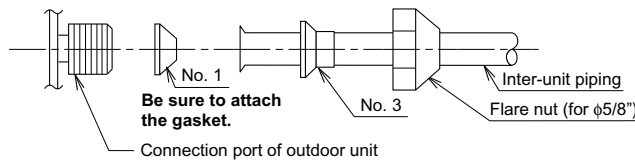
- 1) Do not use mineral oil on flared part.
- 2) Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- 3) Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- 4) Never install a drier to this R410A unit in order to guarantee its lifetime.
- 5) The drying material may dissolve and damage the system.
- 6) Incomplete flaring may cause refrigerant gas leakage.

## How to Use Reducers

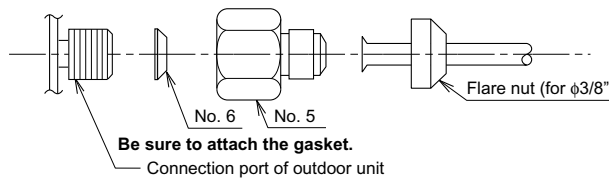


Use the reducers supplied with the unit as described below.

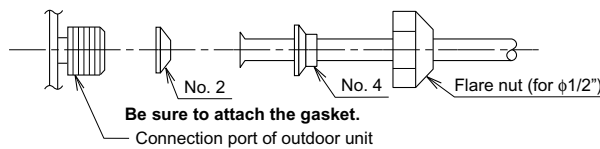
(1) Connecting a pipe of  $\phi 1/2''$  to a gas pipe connection port for  $\phi 5/8''$ :



(2) Connecting a pipe of  $\phi 3/8''$  to a gas pipe connection port for  $\phi 5/8''$ :



(3) Connecting a pipe of  $\phi 3/8''$  to a gas pipe connection port for  $\phi 1/2''$ :



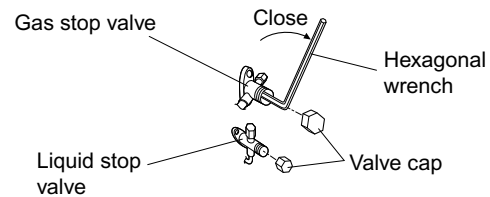
- When using the reducer packing shown above, be careful not to overtighten the nut, or the smaller pipe may be damaged. (about 2/3-1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench to avoid damaging the connection thread by overtightening the flare nut.

Flare nut tightening torque	
Flare nut for $\phi 3/8''$	24.1-29.4 ft-lbf
Flare nut for $\phi 1/2''$	36.5-44.5 ft-lbf
Flare nut for $\phi 5/8''$	45.6-55.6 ft-lbf

## Pump Down Operation

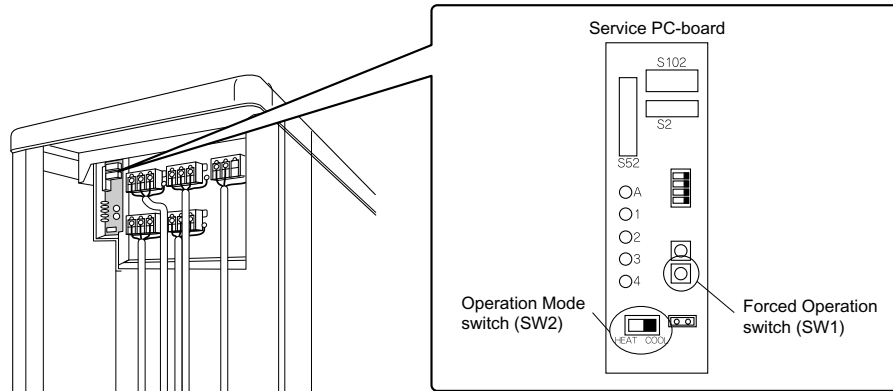
In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

- 1) Remove the valve cap from liquid stop valve and gas stop valve.
- 2) Carry out forced cooling operation. See "Forced Operation".
- 3) After five to ten minutes, close the liquid stop valve with a hexagonal wrench.
- 4) After two to three minutes, close the gas stop valve and stop forced cooling operation.



## Forced Operation

- 1) Turn the Operation Mode switch (SW2) to "COOL."
- 2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.
  - Forced operation also stops automatically after 15 minutes from when operation starts.



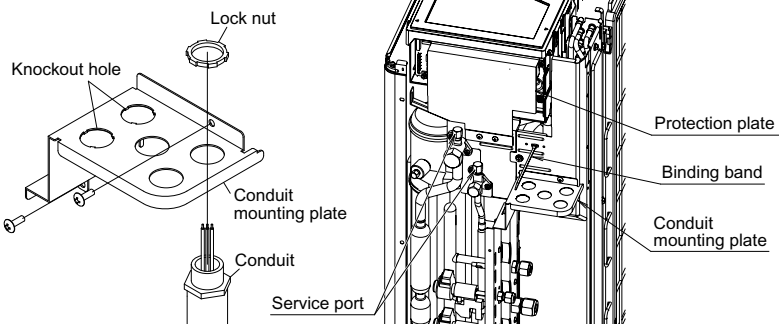
## Wiring (1)

### ⚠ WARNING

- 1) Do not use spliced wires, stranded wires (**CAUTION (1)**), extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire. Follow all local, and state electrical codes.
- 2) Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.
- 3) Be sure to install a ground leak detector. (One that can handle higher harmonics.)  
(This unit uses an inverter, which means that it must be used a ground leak detector capable handling harmonics in order to prevent malfunctioning of the ground leak detector itself.)
- 4) Use an all-pole disconnection type breaker with at least 1/8" between the contact point gaps.
- 5) When carrying out wiring connection, take care not to pull at the conduit.
- 6) Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

#### <Method of Mounting Conduit>

- 1) Pass wires through the conduit and secure them with a lock nut.
- 2) When connecting indoor units for three rooms or more, open knockout holes without deforming the conduit mounting plate.  
By removing the two screws to remove the conduit mounting plate, you can work without the plate.  
After completing the work, reattach the conduit mounting plate to its original position.

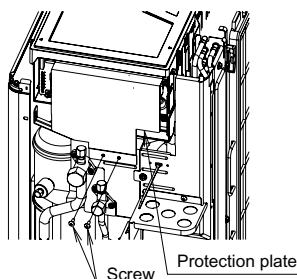


#### <Work before wiring>

A protection plate is fixed for protection from the high-voltage section.

Before starting wiring work, remove the two screws and the protection plate.

After completing wiring, fix the protection plate to its original position.



### ⚠ WARNING

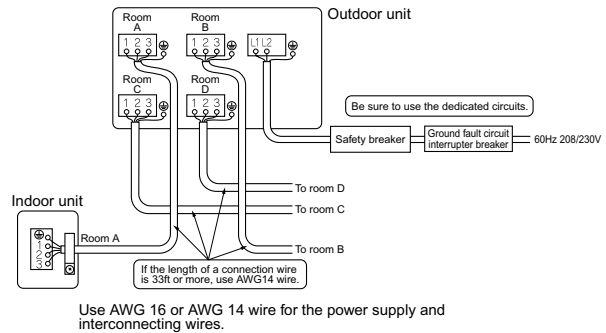
- 1) When the protection plate is removed, do not turn ON the safety breaker.
- 2) When the service port is operated, the protection plate must be fixed.

## Wiring (2)

- Do not turn ON the safety breaker until all work is completed.

<Wiring procedure>

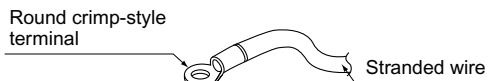
- 1) Strip the insulation from the wire (3/4").
- 2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match**. Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.
- 3) **Be sure to match the symbols for wiring and piping.**
- 4) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with the binding band.



### ⚠ CAUTION (1)

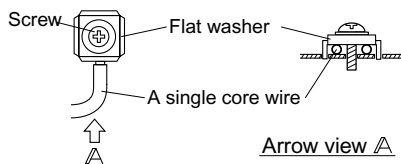
In case using stranded wires is unavoidable, make sure to install the round crimp-style terminals on the tip.

Place the round crimp-style terminals on the wires up to the covered part and secure in place.

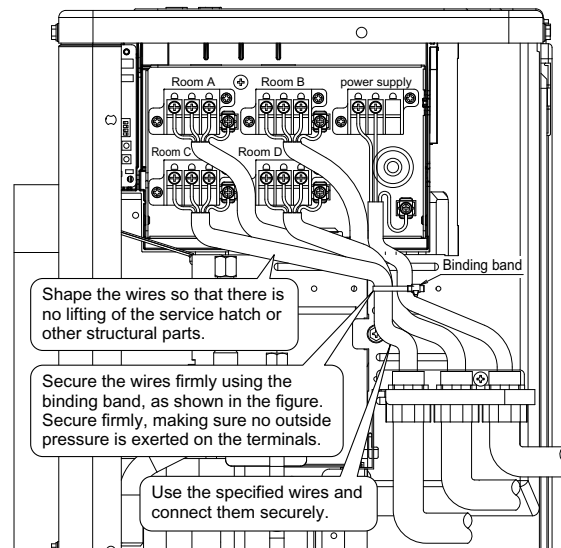
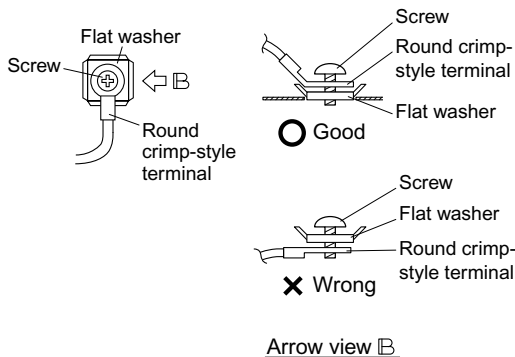


<Ground terminal installation>

- 1) Use the following method when installing a single core wire.



- 2) Use the following method when installing the round crimp-style terminal.



### ⚠ CAUTION (2)

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling. Problems with the work may cause heat and fires.



### Ground

This air conditioner must be grounded. For grounding, follow all local, and state electrical codes.

## Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting. Setting it in the guest and living rooms is convenient.

### About the Priority Room Setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.

#### 1) Operation mode priority

The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

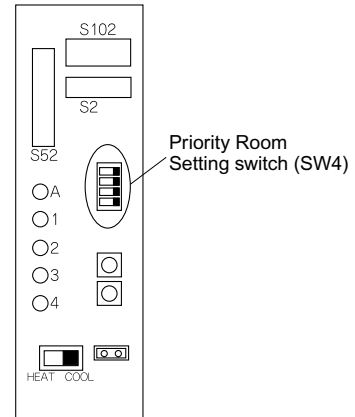
#### 2) Priority during powerful operation

If the indoor unit which is set for Priority Room Setting is operating at powerful, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

#### 3) Quiet operation priority

Setting the indoor unit to quiet operation will make the outdoor unit run quietly.

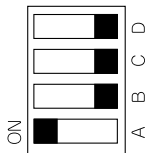
Service PC-board



### Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set. (In the figure below, it is room A.) Once the settings are complete, reset the power.

**Be sure to only set one room**



## Night Quiet Mode setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.  
Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

### About Night Quiet Mode

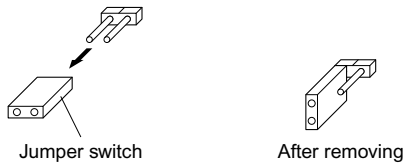
The Night Quiet Mode function reduces operating sound of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating sound on the neighbors. However, if Night Quiet Mode is running, cooling capacity will be saved.

### Setting procedure

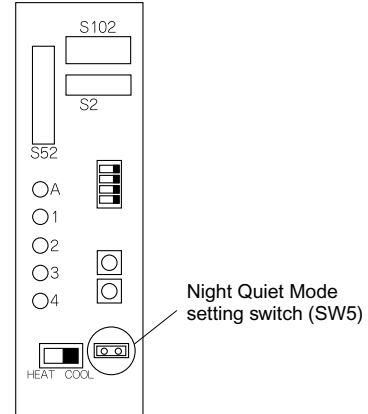
Remove the SW5 jumper switch.  
Once the settings are complete, reset the power.

#### NOTE

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.

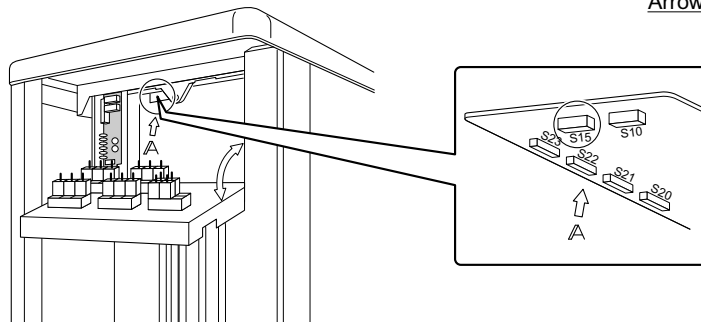
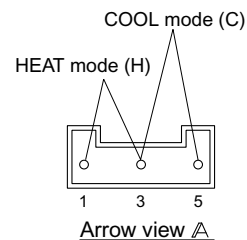


Service PC-board



## COOL/ HEAT mode lock <S15>

- Use the S15 connector to set the unit to only cool or heat.  
Setting to only heat (H): short-circuit pins 1 and 3 of the connector <S15>  
Setting to only cool (C): short-circuit pins 3 and 5 of the connector <S15>  
The following specifications apply to the connector housing and pins.  
JST products Housing: VHR-5N Pin: SVH-21T-1,1  
Note that forced operation is also possible in COOL/HEAT mode.



## Test Run and Final Check (1)

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas stop valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

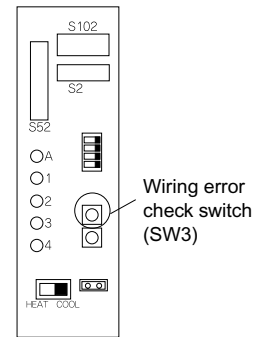
### Wiring Error Check

- This product is capable of automatic correction of wiring error.

Press the “wiring error check switch” on the outdoor unit service PC-board. However, the wiring error check switch will not function for 3 minutes after the safety breaker is turned on, or depending on the outside air conditions (See Note 2.). Approximately 15-20 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service manual.

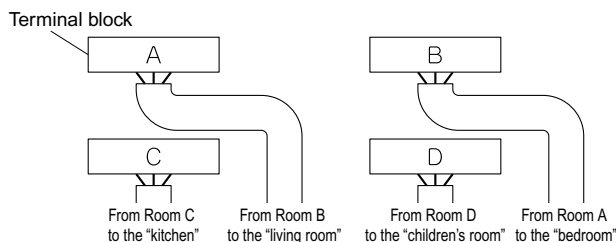
Service PC-board



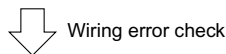
If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.

LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing		One after another		Automatic correction completed
	☀ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [Note. 4]

### Wiring correct example



\* The figure at left shows branch wiring.



LED lighting sequence after a wiring correction.

Order of LED flashing: 2 → 1 → 3 → 4

### NOTE

- 1) For two rooms, LED 3 and 4 are not displayed, and for three rooms, LED 4 is not displayed.
- 2) If the outside air temperature is **41°F or less**, the wiring error check function will not operate.
- 3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
- 4) Follow the product diagnosis procedures. (Details of product error diagnosis are listed on the back of the **right side plate**.)

## Test Run and Final Check (2)

### Test Run and Final Check

- To test cooling, set for the lowest temperature. To test heating, set for the highest temperature. (Depending on the room temperature, only heating or cooling (but not both) may be possible.)
- After the unit is stopped, it will not start again (heating or cooling) for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.  
Check both heating and cooling operation.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 14°F	Approx. 36°F

(When running in one room)

- During cooling operation, frost may form on the gas stop valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

### Items to Check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling, no heating	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the stop valves open?	No cooling, no heating	
Do the marks match (room A, room B, room C, room D) on the wiring and piping for each indoor unit?	No cooling, no heating	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

#### ATTENTION

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the stop valve cover.

C: 3P207257-3D





# Part 3

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# 1. CTXS, FTXS, CDXS, FDXS Series

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<b>Care</b>			
Care and Cleaning	399	403	408
<b>Troubleshooting</b>			
Troubleshooting ★	410	410	410
Quick Reference ★	415	415	415
Drawing No.	3P232717-3D	C: 3P297290-1 C: 3P297290-2	C: 3P297290-3B





★: Illustrations are for CTXS07LVJU as representative.

## 1.2 Safety Considerations

Read these **SAFETY CONSIDERATIONS for Operations** carefully before operating an air conditioner or heat pump. Make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit.

Inform customers that they should store this Operation Manual with the Installation Manual for future reference.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.

- Do not install the unit in an area where flammable materials are present due to risk of explosion or it will result in serious injury or death.
- Any abnormalities in the operation of the air conditioner or heat pump, such as smoke or fire, will result in severe injury or death. Turn off the power and contact your dealer immediately.
- Refrigerant gas may produce toxic gas if it comes into contact with fire, such as from a fan, heater, stove, or cooking device. Exposure to this gas will result in severe injury or death.
- For refrigerant leakage, consult your dealer. Refrigerant gas is heavier than air and replaces oxygen. A massive leak will result in oxygen depletion, especially in basements, and an asphyxiation hazard will result, leading to serious injury or death.
- If equipment utilizing a burner is used in the same room as the air conditioner or heat pump, there is the danger of oxygen deficiency which will result in an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.
- Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, will result in stabs or other injuries.
- Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags will result in death by suffocation.
- Contact your dealer for repair and maintenance. Improper repair and maintenance could result in water leakage, electric shock, and fire. Only use accessories made by Daikin that are specifically designed for use with the equipment and have them installed by a professional.
- Contact your dealer to move and reinstall the air conditioner or heat pump. Incomplete installation could result in water leakage, electric shock, and fire.
- Never let the indoor unit or the remote controller get wet. Water could result in an electric shock or a fire.
- Never use flammable spray such as hair spray, lacquer, or paint near the unit. Flammable spray could result in a fire.
- When a fuse blows out, never replace it with one of incorrect ampere ratings or different wires. Always replace any blown fuse with a fuse of the same specification.
- Never remove the fan guard of the unit. A fan rotating at high speed without the fan guard is very dangerous and could result in injury.
- Never inspect or service the unit by yourself. Contact a qualified service person to perform this work.
- Turn off all electrical power before doing any maintenance to avoid the risk of serious electric shock; never sprinkle or spill water or liquids on the unit.
- Do not touch the switch with wet fingers. Touching a switch with wet fingers could result in electric shock.
- Do not allow children to play on or around the unit to prevent injury.
- The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins while working around them.
- Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and could result in injury.
- Check the unit foundation for damage on a continuous basis, especially if it has been in use for a long time. If left in a damaged condition the unit may fall and could result in injury.

- Placing a flower vase or other containers with water or other liquids on the unit could result in a shock or fire if a spill occurs.
- Do not touch the air outlet or horizontal blades while the swing flap is in operation could result in fingers getting caught and injured.
- Never touch the internal parts of the controller. Do not remove the front panel because some parts inside are dangerous to touch. To check and adjust internal parts, contact your dealer.
- Do not use the air conditioner or heat pump for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- Do not place items under the indoor unit as it could result in damage by condensates that may form if the humidity is above 80% or if the drain outlet gets blocked.
- Before cleaning, stop the operation of the unit by turning the power off or by pulling the supply cord out from its receptacle. Otherwise, an electric shock and injury could result.
- Do not wash the air conditioner or heat pump with excessive water. An electric shock or fire could result.
- Avoid placing the controller in a spot splashed with water. Water entering the controller could result in an electric shock or damage the internal electronic parts.
- Do not operate the air conditioner or heat pump when using a room-fumigation type of insecticide. Failure to observe this could result in the chemicals to be deposited in the unit and can endanger the health of those who are hypersensitive to chemicals.
- Do not turn off the power immediately after stopping operation. Always wait for at least five minutes before turning off the power. Otherwise, water leakage could result.
- The appliance is not intended for use by young children or infirm persons without supervision.
- The remote controller should be kept away from children so they cannot play with it.
- Consult with the installation contractor for cleaning.
- Incorrect cleaning of the inside of the air conditioner or heat pump could result in the plastics parts breaking, resulting in water leakage or electric shock.
- Do not touch the air inlet or aluminum fin of the air conditioner or heat pump as they can cut and could result in injury.
- Do not place objects in direct proximity of the outside unit. Do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, animals can result in the unit malfunctioning, and could result in smoke or fire when they make contact with electrical parts.
- Never press the button of the remote controller with a hard, pointed object. The remote controller may result in damage.
- Never pull or twist the electric wire of the remote controller. It may result in the unit malfunctioning.
- Do not place appliances that produce open flames in places that are exposed to the air flow of the unit or under the indoor unit. It may result in incomplete combustion or deformation of the unit due to the heat.
- Do not expose the controller to direct sunlight. The LCD display can become discolored and may result in fail to display the data.
- Do not wipe the controller operation panel with benzene, thinner, chemical dust cloth, etc. The result may be that the panel becomes discolored or the coating can peel off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it with another dry cloth.
- Dismantling of the unit, disposal of the refrigerant, oil, and additional parts, should be done in accordance with the relevant local, state, and national regulations.
- Operate the air conditioner or heat pump in a sufficiently ventilated area and not surrounded by obstacles. Do not use the air conditioner or heat pump in the following places.
  - a. Places with a mist of mineral oil, such as cutting oil.
  - b. Locations such as coastal areas where there is a lot of salt in the air.
  - c. Locations such as hot springs where there is a lot of sulfur in the air.
  - d. Locations such as factories where the power voltage varies a lot.
  - e. In cars, boats, and other vehicles.
  - f. Locations such as kitchens where oil may splatter or where there is steam in the air.
  - g. Locations where equipment produces electromagnetic waves.
  - h. Places with an acid or alkaline mist.
  - i. Places where fallen leaves can accumulate or where weeds can grow.
- Take snow protection measures. Contact your dealer for the details of snow protection measures, such as the use of a snow protection hood.

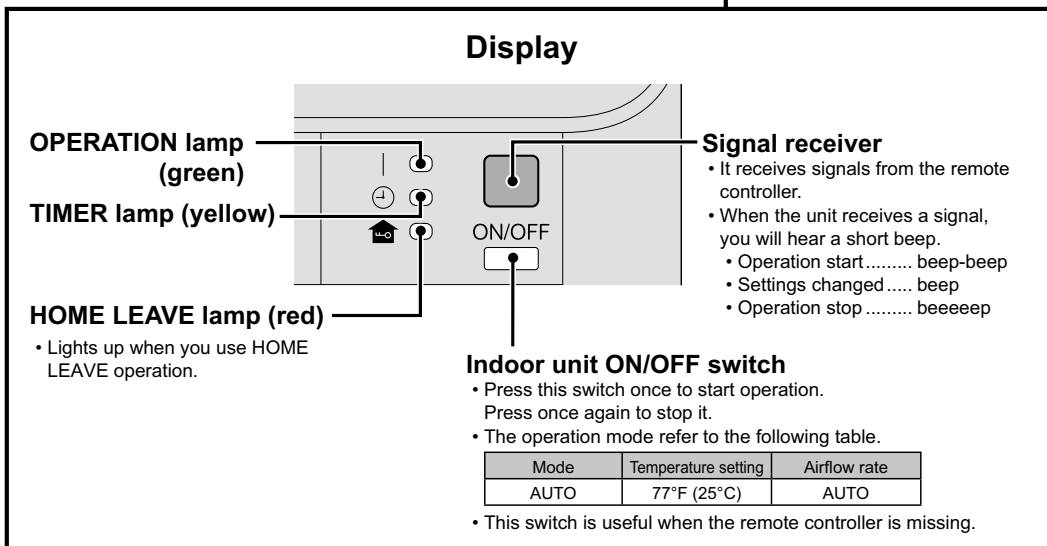
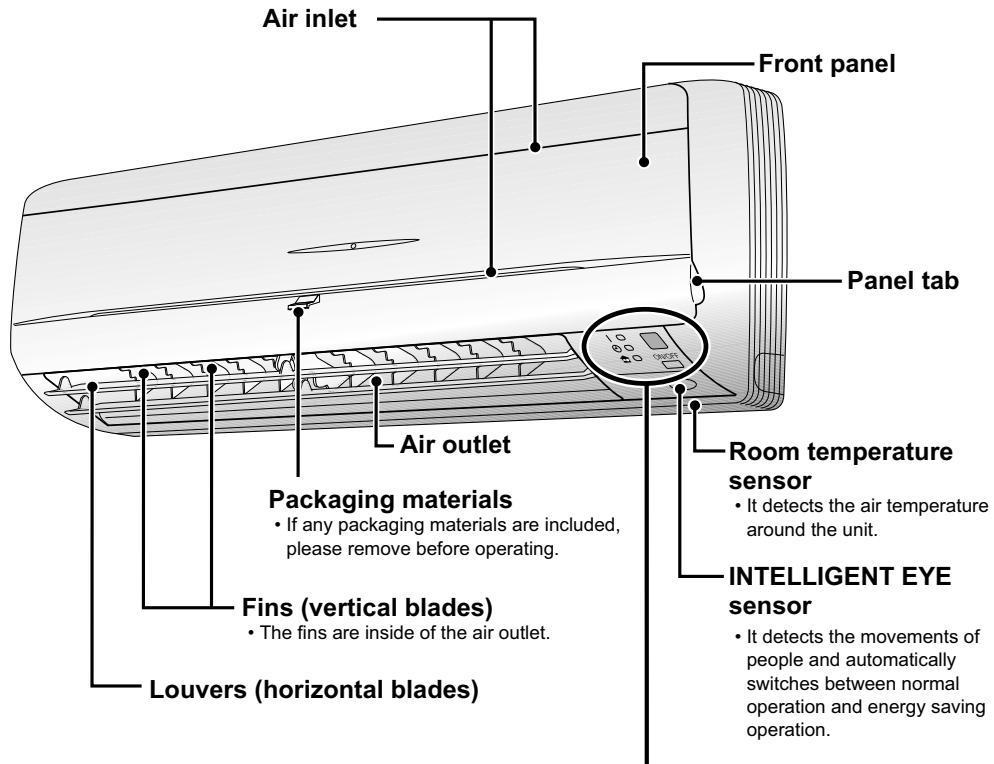
- **Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with your dealer for electrical work and grounding work.**
- **Pay Attention to Operating Sound. Be sure to use the following places:**
  - a. **Places that can sufficiently withstand the weight of the air conditioner or heat pump yet can suppress the operating sound and vibration.**
  - b. **Places where warm air from the air outlet of the outside unit or the operating sound of the outside unit does not annoy neighbors.**
- **Make sure that there are no obstacles close to the outside unit. Obstacles close to the outside unit may drop the performance of the outside unit or increase the operating sound of the outside unit.**
- **Consult your dealer if the air conditioner or heat pump in operation generates unusual noise.**
- **Make sure that the drainpipe is installed properly to drain water. If no water is discharged from the drainpipe while the air conditioner or heat pump is in the cooling mode, the result may be that the drainpipe becomes clogged with dust or dirt and water leakage from the indoor unit may occur. Stop operating the air conditioner or heat pump and contact your dealer.**

### 1.3 Names of Parts

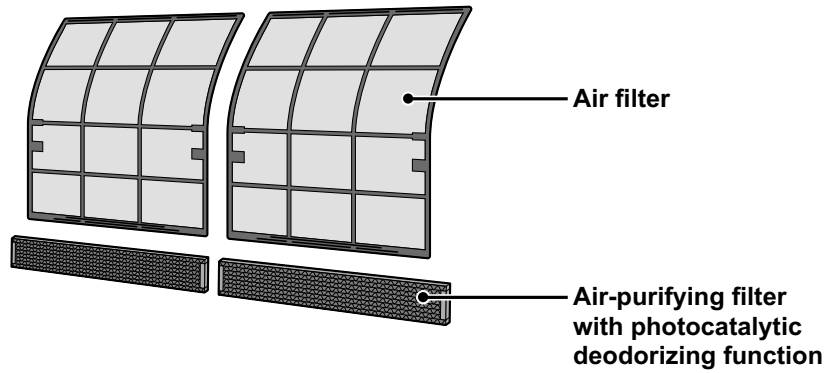
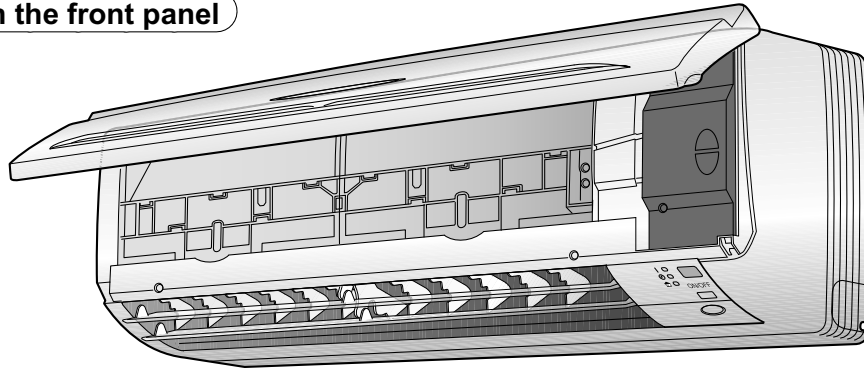
CTXS09/12HVJU

## Name of Parts

### Indoor Unit

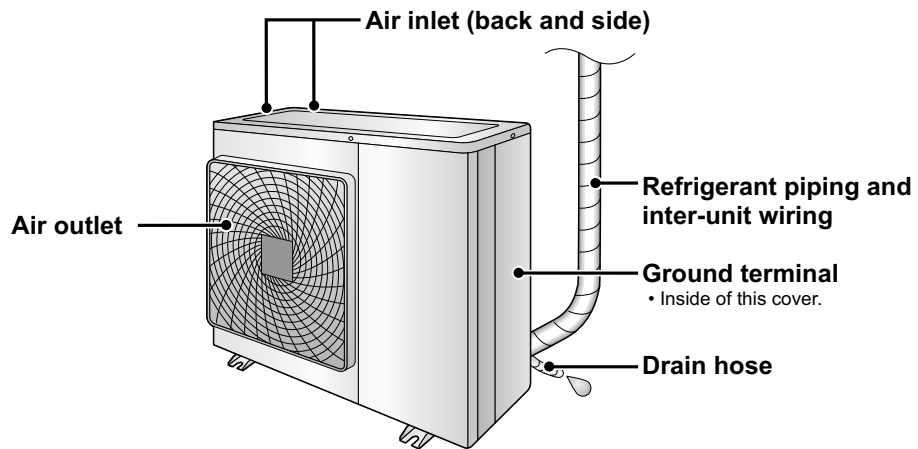


**Open the front panel**



**Outdoor Unit**

• Appearance of the outdoor unit may differ from some models.

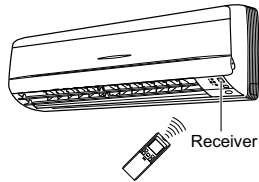




# Name of Parts

## Remote Controller: ARC452A9

### Signal transmitter



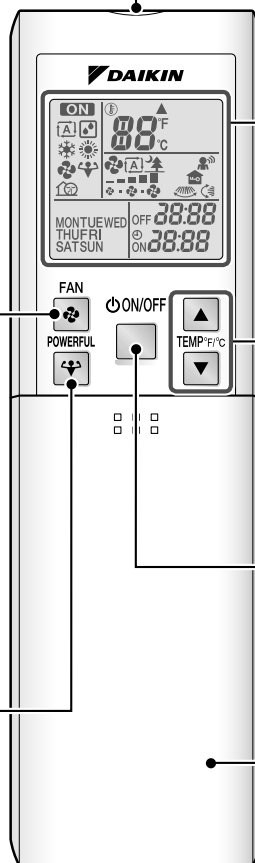
- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is approximately 23ft. (7m).

### FAN setting button

- Selects the airflow rate setting.

### POWERFUL button

- POWERFUL operation.



### Display (LCD)

- Displays the current settings. (In this illustration, each section is shown with its displays on for the purpose of explanation.)

### TEMPERATURE adjustment buttons

- Changes the temperature setting.

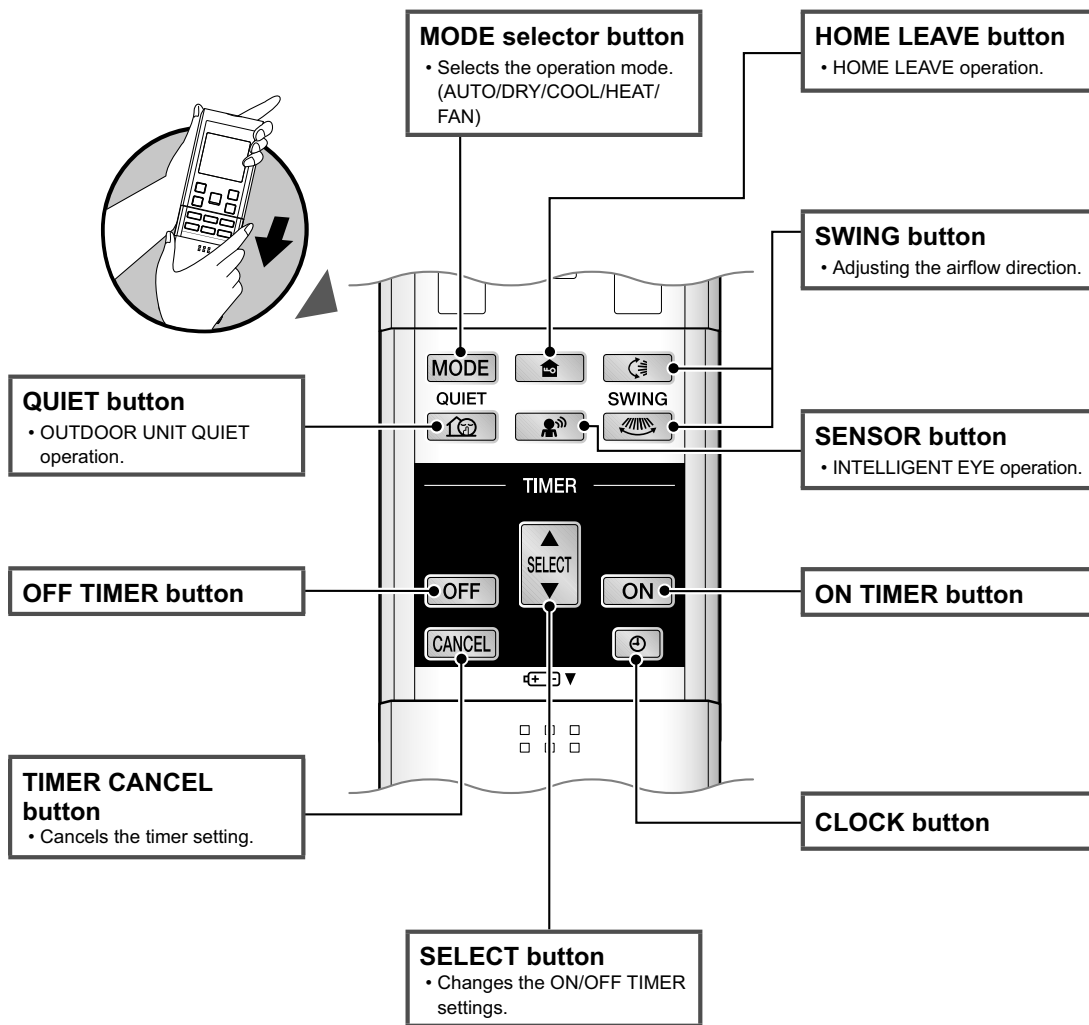
### ON/OFF button

- Press this button once to start operation. Press once again to stop it.

### Front cover

- Open the front cover.

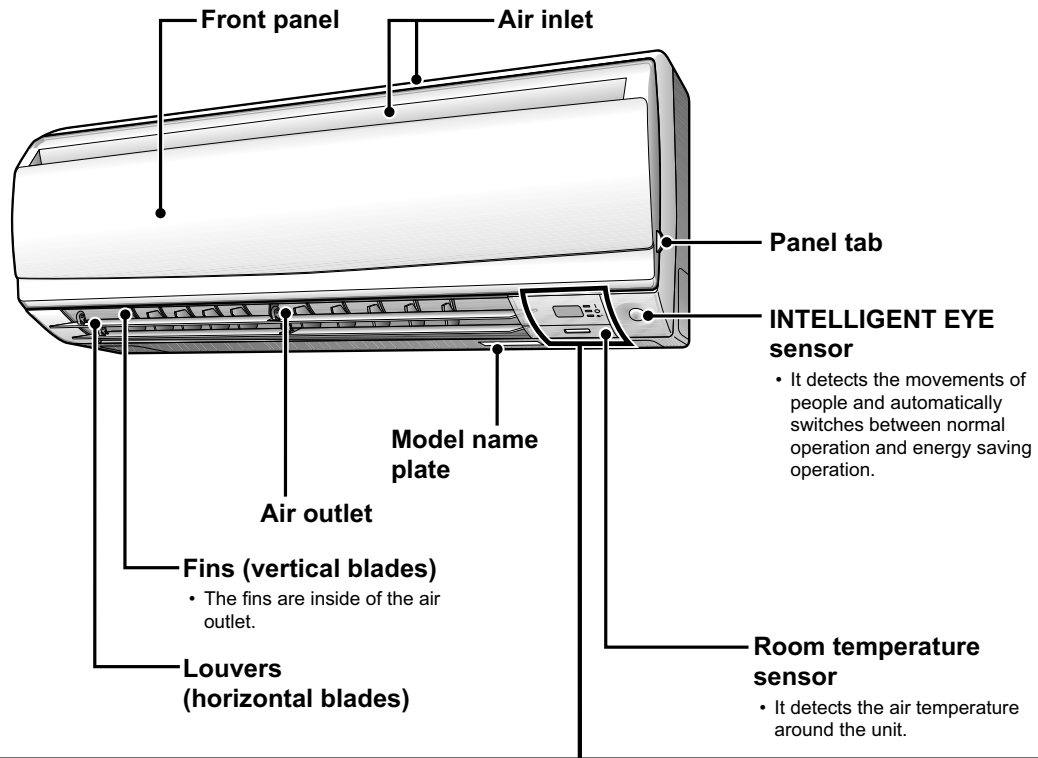
Open the front cover



CTXS07LVJU, FTXS15/18LVJU

# Names of Parts

## Indoor Unit

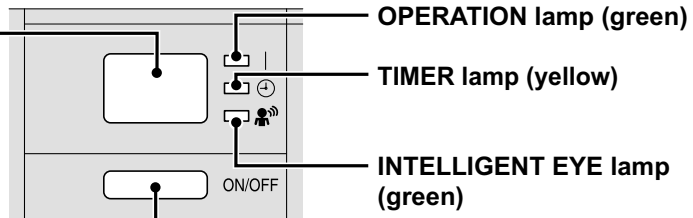


## Display

### Signal receiver

- It receives signals from the remote controller.
- When the unit receives a signal, you will hear a beep sound.

Case	Sound type
Operation start	beep-beep
Setting changed	beep
Operation stop	long beep



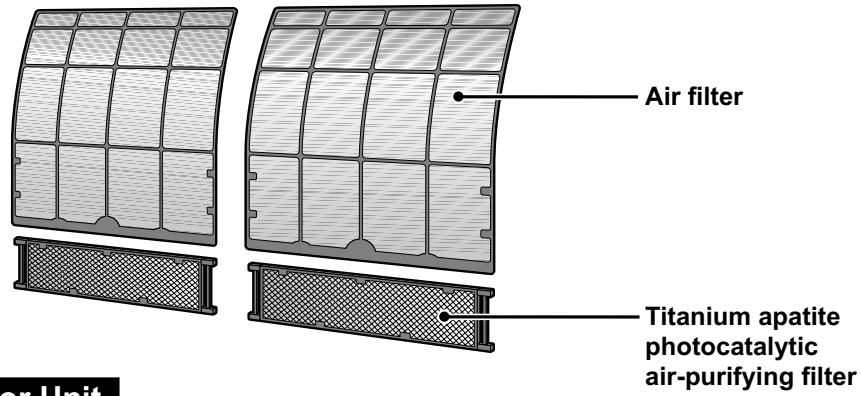
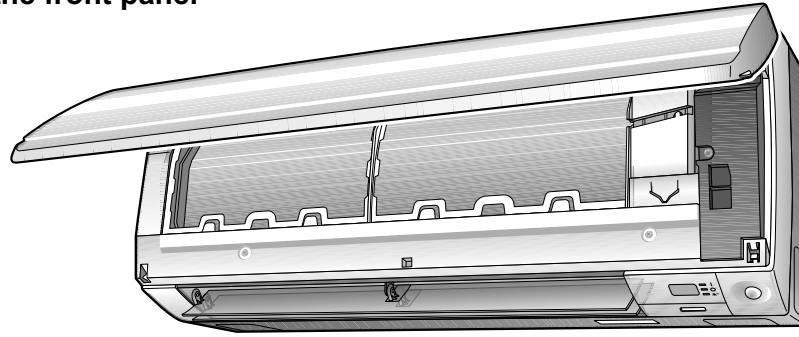
### Indoor unit ON/OFF switch

- Press this switch once to start operation. Press once again to stop it.
- The operation mode refer to the following table.

Mode	Temperature setting	Airflow rate
AUTO	77°F (25°C)	AUTO

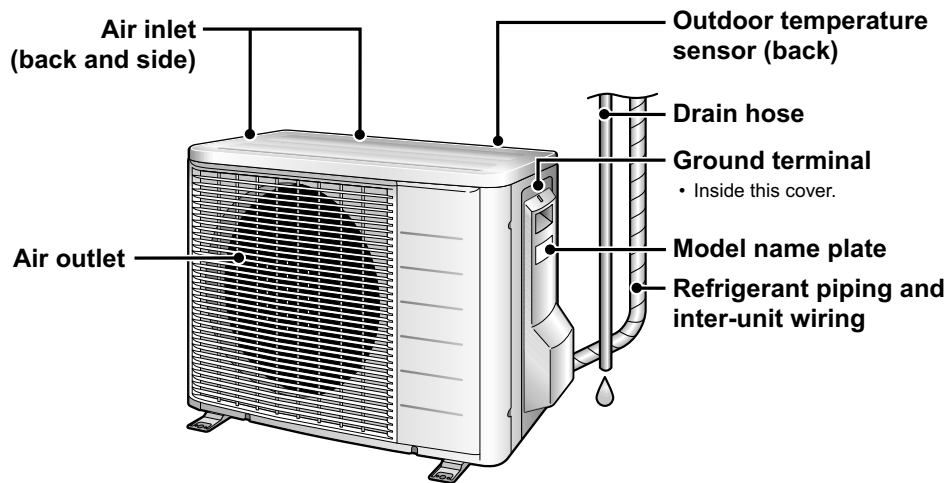
- This switch is useful when the remote controller is missing.

■ Open the front panel



**Outdoor Unit**

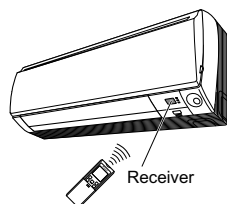
• Appearance of the outdoor unit may differ from some models.



# Names of Parts

## Remote Controller

### Signal transmitter



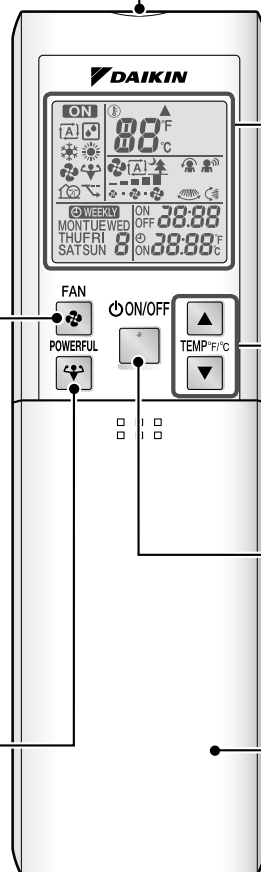
- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is approximately 23ft (7m).

### FAN setting button

- Selects the airflow rate setting.

### POWERFUL button

- POWERFUL operation.



### Display (LCD)

- Displays the current settings. (In this illustration, each section is shown with all its displays on for the purpose of explanation.)

### TEMPERATURE adjustment buttons

- Changes the temperature setting.

### ON/OFF button

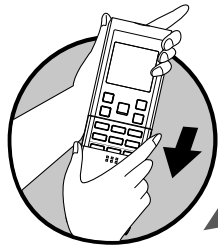
- Press this button once to start operation. Press once again to stop it.

### Front cover

- Open the front cover.

<ARC452A21>

■ Open the front cover



**MODE selector button**  
• Selects the operation mode.  
(AUTO/DRY/COOL/HEAT/  
FAN)

**ECONO button**  
• ECONO operation.

**SWING button**  
• Adjusting the airflow direction.

**QUIET button**  
• OUTDOOR UNIT QUIET  
operation.

**COMFORT/SENSOR  
button**  
• COMFORT AIRFLOW and  
INTELLIGENT EYE operation.

**OFF TIMER button**

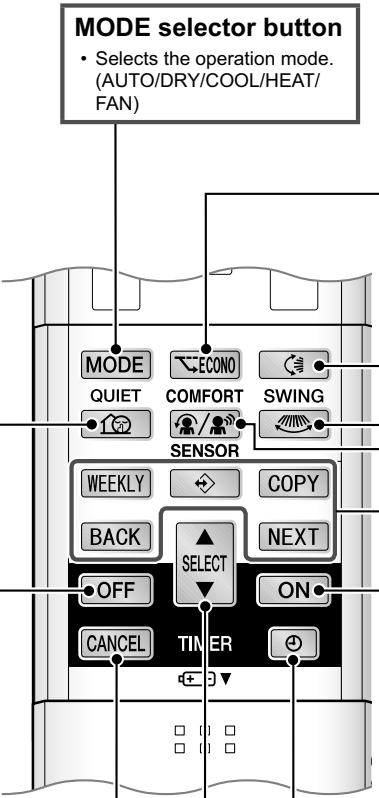
**TIMER CANCEL  
button**  
• Cancels the timer setting.  
• It cannot be used for the  
WEEKLY TIMER operation.

**WEEKLY** : WEEKLY button  
**PROGRAM** : PROGRAM button  
**COPY** : COPY button  
**BACK** : BACK button  
**NEXT** : NEXT button  
• WEEKLY TIMER operation.

**SELECT button**  
• Changes the ON/OFF TIMER  
and WEEKLY TIMER settings.

**ON TIMER button**

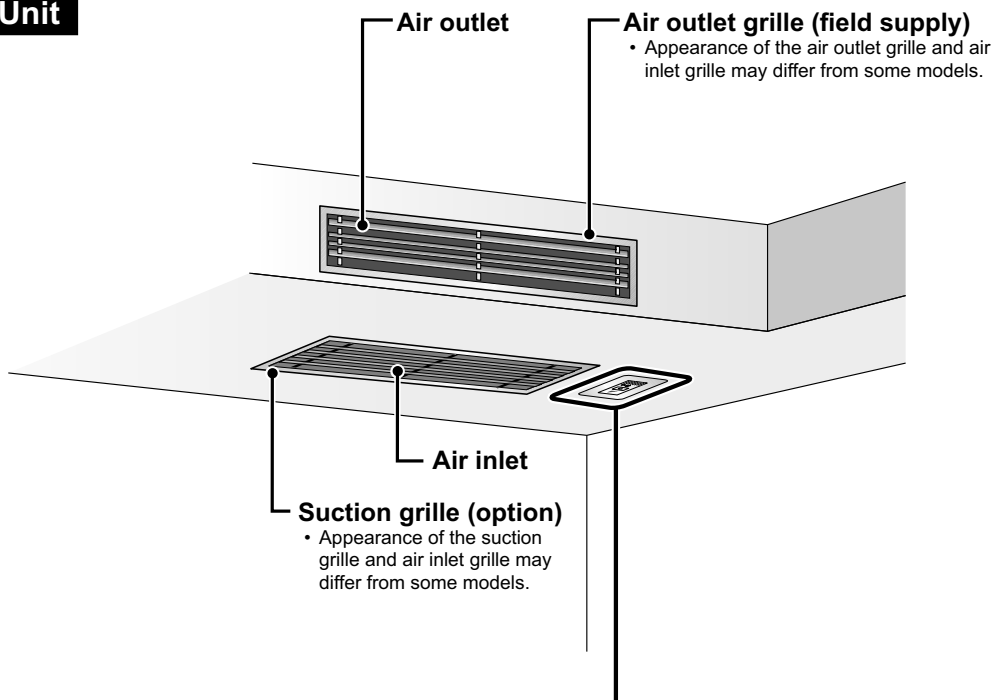
**CLOCK button**



CDXS, FDXS Series

# Names of Parts

## Indoor Unit



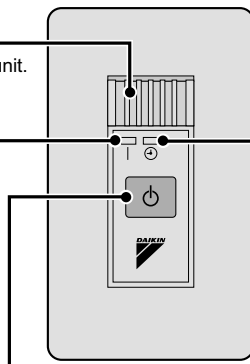
## Receiver

**Room temperature sensor**

• It senses the air temperature around the unit.

**OPERATION lamp (green)**

**TIMER lamp (yellow)**



**Indoor unit ON/OFF switch**

• Press this switch once to start operation.  
 Press once again to stop it.

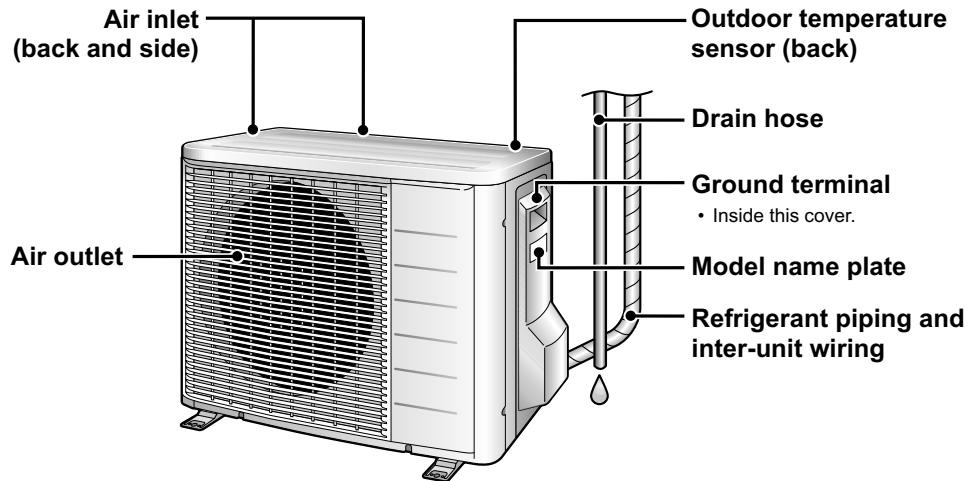
• The operation mode refers to the following table.

Mode	Temperature setting	Airflow rate
AUTO	77°F (25°C)	AUTO

• This switch is useful when the remote controller is missing.

## Outdoor Unit

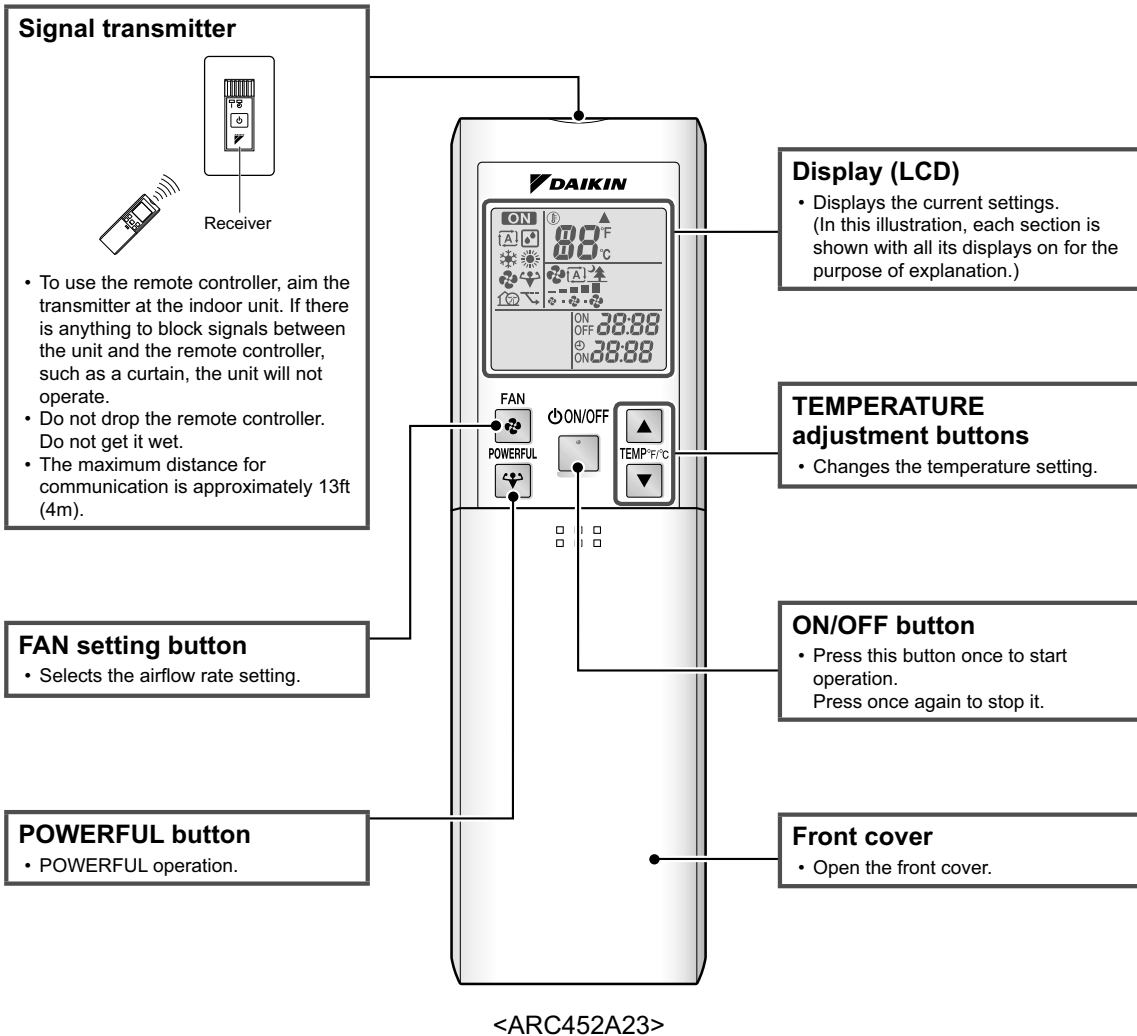
- Appearance of the outdoor unit may differ from some models.



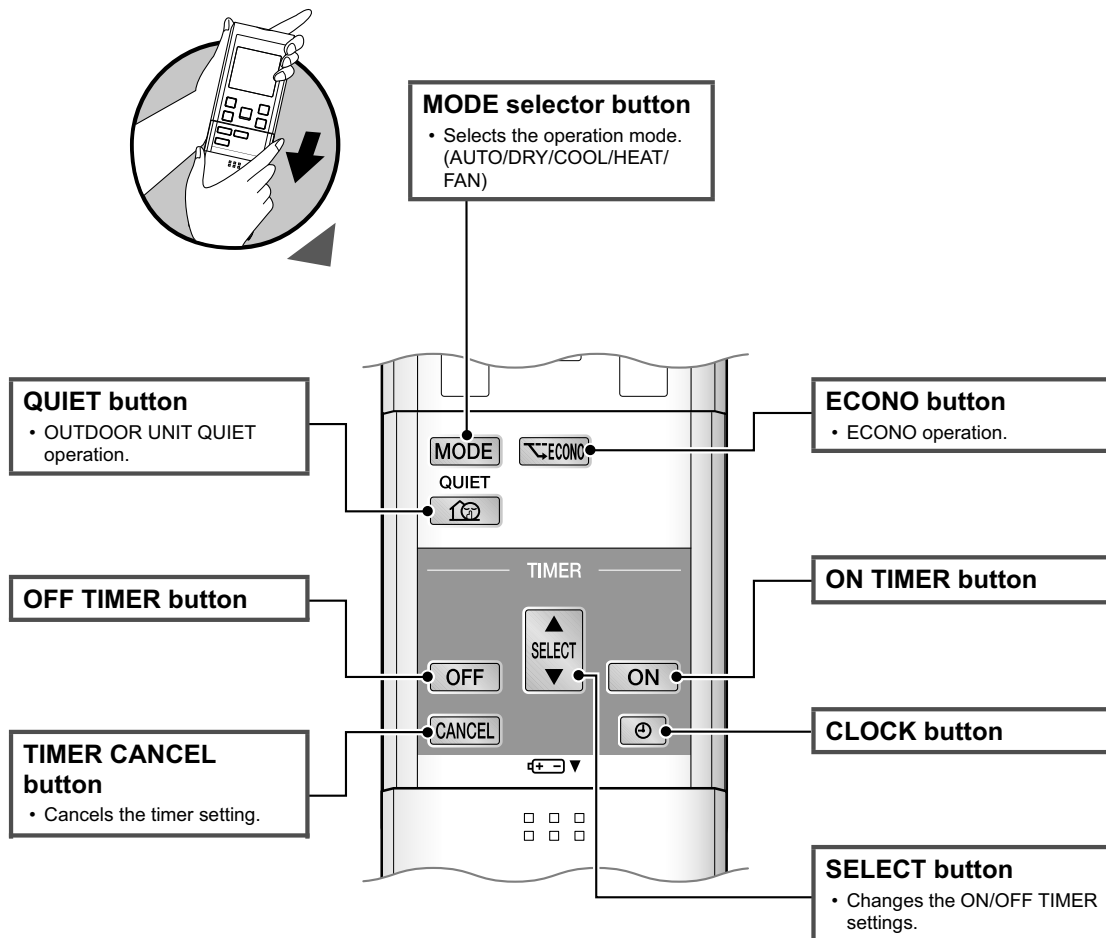


# Names of Parts

## Remote Controller

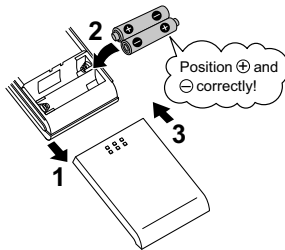


### ■ Open the front cover



## 1.4 Preparation before Operation

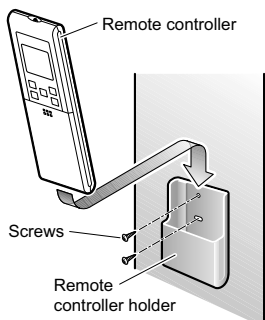
# Preparation before Operation



### ■ To set the batteries

1. Slide the front cover to take it off.
2. Set two dry batteries AAA.LR03 (alkaline).
3. Set the front cover as before.

### ■ To fix the remote controller holder on the wall



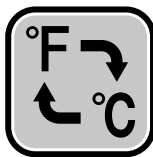
1. Choose a place from where the signals reach the unit.
2. Fix the holder to a wall, a pillar, etc. with the screws supplied with the holder.
3. Place the remote controller in the remote controller holder.

### ■ Celsius/Fahrenheit display switch

- The Celsius or Fahrenheit display is selectable with the following buttons.

Press  and  simultaneously for 5 seconds.

- The temperature will be displayed in Fahrenheit if it is presently displayed in Celsius, and vice versa.



## NOTE

### ■ Notes on batteries

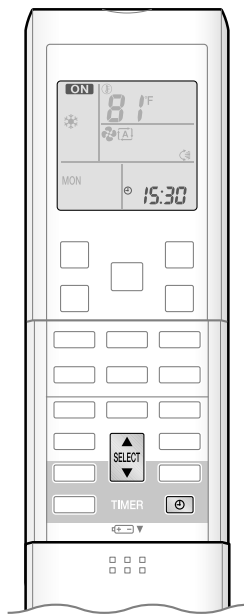
- When replacing the batteries, use batteries of the same type, and replace both batteries at the same time.
- When the system is not used for a long time, take the batteries out.
- The batteries will last for approximately 1 year. If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, size AAA.LR03 (alkaline).
- The attached batteries are provided for the initial use of the system.  
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

### ■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with a soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance somewhere else, or consult the service shop.

### ■ Celsius/Fahrenheit display change function of remote controller

- The set temperature may increase when the display is changed to Celsius from Fahrenheit, because a fraction of 0.5°C is rounded up.
- Example: A set temperature of 65°F (equivalent to 18.5°C) will be converted into 19°C.  
When the display is changed to Fahrenheit again, the set temperature will be converted into 66°F (equivalent to 19°C) instead of the original set temperature (65°F) but a set temperature of 66°F (equivalent to 19°C) will be converted into 19°C with no temperature change.
- A reception sound will go off for the transmission of set temperature to the indoor unit at the time of setting the Celsius/Fahrenheit display change function.

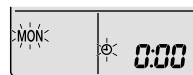


### ■ Turn the breaker on

- After the power is turned on, the louvers of the indoor unit open and close once to set the reference position.

### ■ To set the clock

#### 1. Press .



- "0:00" is displayed.
- "MON" and "⏻" blink.

#### 2. Press to set the current day of the week.

#### 3. Press .



- "⏻" blinks.

#### 4. Press to set the clock to the present time.

- Holding down ▲ or ▼ rapidly increases or decreases the time display.

#### 5. Press .

- Point the remote controller at the indoor unit when pressing the buttons.

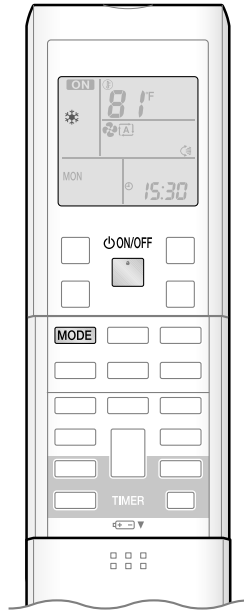


- "⏻" blinks.

## 1.5 AUTO · DRY · COOL · HEAT · FAN Operation



# AUTO · DRY · COOL · HEAT · FAN Operation

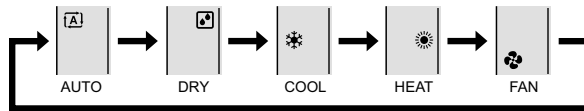


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

### To start operation

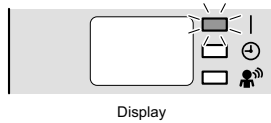
#### 1. Press **MODE** and select an operation mode.

- Each pressing of the button advances the mode setting in sequence.



#### 2. Press **ON/OFF**.

- "ON" is displayed on the LCD.
- The OPERATION lamp lights green.



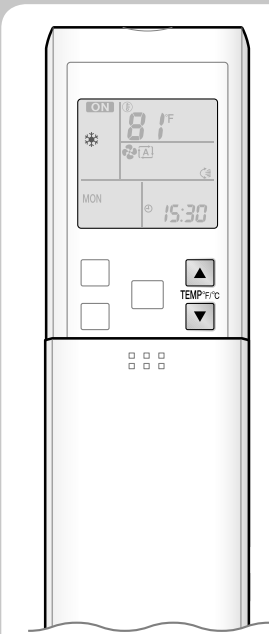
### To stop operation

#### Press **ON/OFF** again.



- "ON" is no longer displayed on the LCD.
- The OPERATION lamp goes off.

### NOTE

MODE	Notes on each operation mode
HEAT	<ul style="list-style-type: none"> <li>• Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.</li> <li>• The heat pump system heats the room by circulating hot air around all parts of the room. After the start of HEAT operation, it takes some time before the room gets warmer.</li> <li>• In HEAT operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.</li> <li>• During defrosting operation, hot air does not flow out of indoor unit.</li> </ul>
COOL	<ul style="list-style-type: none"> <li>• This air conditioner cools the room by releasing the heat in the room outside. Therefore, the cooling performance of the air conditioner may be degraded if the outdoor temperature is high.</li> </ul>
DRY	<ul style="list-style-type: none"> <li>• The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.</li> </ul>
AUTO	<ul style="list-style-type: none"> <li>• In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room and outside temperatures and starts the operation.</li> <li>• The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.</li> </ul>
FAN	<ul style="list-style-type: none"> <li>• This mode is valid for fan only.</li> </ul>



**■ To change the temperature setting**

Press  or  .

- The displayed items on the LCD will change whenever either one of the buttons is pressed.

COOL operation	HEAT operation	AUTO operation	DRY or FAN operation
64-90°F (18-32°C)	50-86°F (10-30°C)	64-86°F (18-30°C)	The temperature setting is not variable.
Press ▲ to raise the temperature and press ▼ to lower the temperature.			

**■ Operating conditions**

**■ Recommended temperature setting**

- For cooling: 78-82°F (26-28°C)
- For heating: 68-75°F (20-24°C)

**■ Tips for saving energy**

- Be careful not to cool (heat) the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.

**■ Notes on the operating conditions**

- The air conditioner always consumes a small amount of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker off.
- Use the air conditioner in the following conditions.

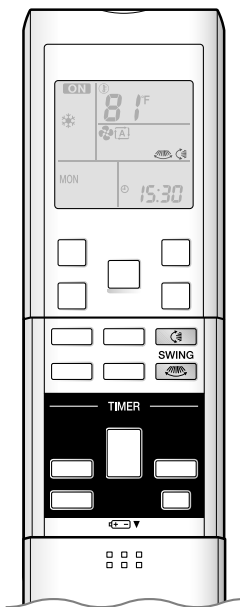
MODE	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature : 50-115°F (10-46°C) Indoor temperature : 64-90°F (18-32°C) Indoor humidity : 80% max.	• A safety device may work to stop the operation. (In multi system, it may work to stop the operation of the outdoor unit only.) • Condensation may occur on the indoor unit and drip.
HEAT	Outdoor temperature : 5-75°F (-15-24°C) Indoor temperature : 50-86°F (10-30°C)	• A safety device may work to stop the operation.
DRY	Outdoor temperature : 50-115°F (10-46°C) Indoor temperature : 64-90°F (18-32°C) Indoor humidity : 80% max.	• A safety device may work to stop the operation. • Condensation may occur on the indoor unit and drip.

- Operation outside this humidity or temperature range may cause a safety device to disable the system.

## 1.6 Adjusting the Airflow Direction and Rate

CTXS09/12HVJU

# Adjusting the Airflow Direction




You can adjust the airflow direction to increase your comfort.


### Adjusting the upper and lower airflow direction

#### ■ To adjust the louvers (horizontal blades)

#### 1. Press .

- “” is displayed on the LCD and the louvers will begin to swing.

#### 2. When the louvers have reached the desired position, press once more.

- The louvers will stop moving.
- “” is no longer displayed on the LCD.


### Adjusting the right and left airflow direction

#### ■ To adjust the fins (vertical blades)


#### 3. Press .

- “” is displayed on the LCD.

#### 4. When the fins have reached the desired position, press once more.

- The fins will stop moving.
- “” is no longer displayed on the LCD.

### ■ To start 3-D airflow


1. 3. Press the  and the  :  
the “” and “” display will light up and the louvers and fins will move in turn.

### ■ To cancel 3-D airflow

2. 4. Press either the  or the .

## NOTE

### ■ Note on the angles of the louvers

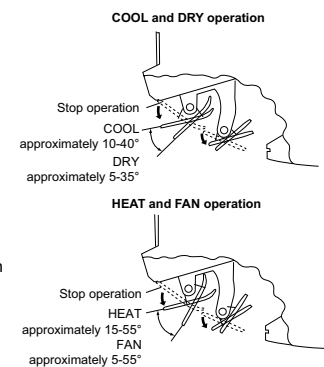
- When  is selected, the louvers swinging range depends on the operation. (See the figure.)

### ■ Note on 3-D airflow

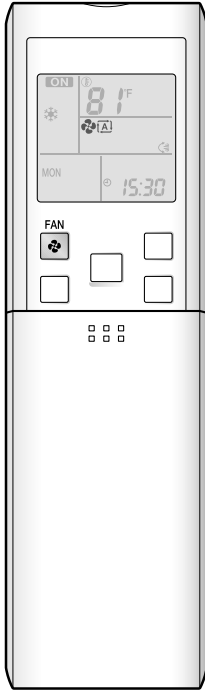
- Using 3-D airflow circulates cold air, which tends to be collected at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

### ■ ATTENTION

- Always use a remote controller to adjust the angles of the louvers and fins. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Always use a remote controller to adjust the fins angles. Inside the air outlet, a fan is rotating at a high speed.








■ To change the airflow rate setting

Press .

DRY operation	AUTO or COOL or HEAT or FAN operation
The airflow rate setting is not variable.	5 levels of airflow rate setting from "🌀" to "🌀🌀🌀" plus "[A]" and "🌳" are available. 

- Indoor unit quiet operation  
When the airflow is set to "🌳", the noise from the indoor unit will become quieter. Use this when making the noise quieter.  
The unit might lose capacity when the airflow rate is set to a weak level.
- Each pressing of the button advances the airflow rate setting in sequence.



**NOTE**

■ Notes on HEAT operation

- Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.
- The heat pump system heats the room by circulating hot air around all parts of the room. After the start of HEAT operation, it takes some time before the room gets warmer.
- In HEAT operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.
- During defrosting operation, hot air does not flow out of indoor unit.

■ Note on COOL operation

- This air conditioner cools the room by blowing the hot air in the room outside, so if the outside temperature is high, the performance of the air conditioner drops.

■ Note on DRY operation

- The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.

■ Notes on AUTO operation

- In AUTO operation, the system selects a temperature setting and an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.
- The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.

■ Note on FAN operation

- This is valid for fan only.

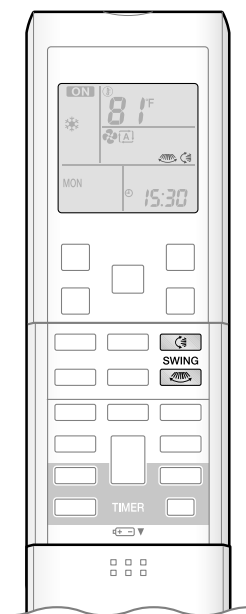
■ Note on airflow rate setting

- At smaller airflow rates, the cooling (heating) effect is also smaller.

CTXS07LVJU



# Adjusting the Airflow Direction and Rate



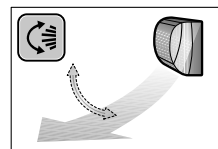
You can adjust the airflow direction to increase your comfort.

## ■ To start auto swing

### Upper and lower airflow direction

Press .

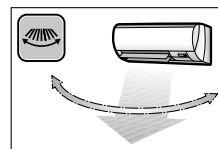
- “” is displayed on the LCD.
- The louvers (horizontal blades) will begin to swing.



### Right and left airflow direction

Press .

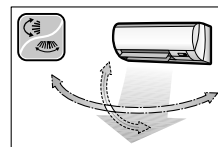
- “” is displayed on the LCD.
- The fins (vertical blades) will begin to swing.



### The 3-D airflow direction

Press and .

- “” and “” are displayed on the LCD.
- The louvers and fins move in turn.
- To cancel 3-D airflow, press either or again. The louvers or fins will stop moving.

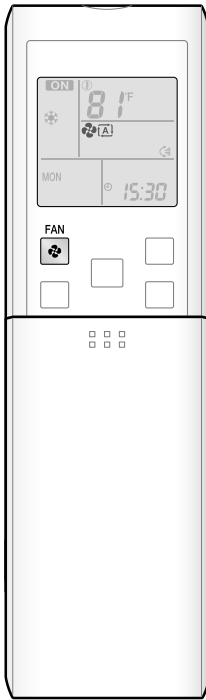


## ■ To set the louvers or fins at desired position

- This function is effective while louvers or fins are in auto swing mode.


Press and when the louvers or fins have reached the desired position.

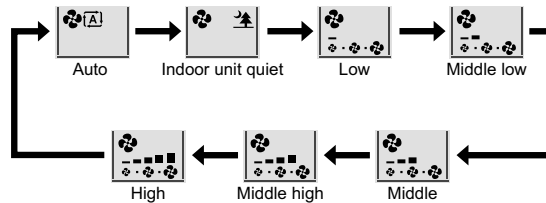
- In the 3-D airflow, the louvers and fins move in turn.
- “” or “” is no longer displayed on the LCD.




**■ To adjust the airflow rate setting**

Press .

- Each pressing of  advances the airflow rate setting in sequence.

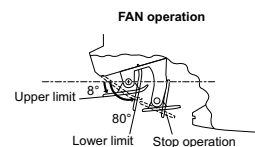
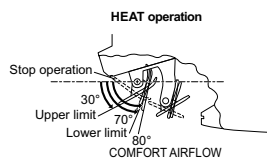
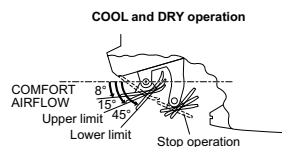


- When the airflow is set to "  ", indoor unit quiet operation will start and the sound from the unit will become quieter.
- In indoor unit quiet operation, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting is not variable.

**NOTE**

**■ Notes on the angles of the louvers**

- The louvers swinging range depends on the operation. (See the figure.)



**■ Note on 3-D airflow**

- Using 3-D airflow circulates cold air, which tends to be collected at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

**■ Note on airflow rate setting**

- At smaller airflow rates, the cooling (heating) effect is also smaller.

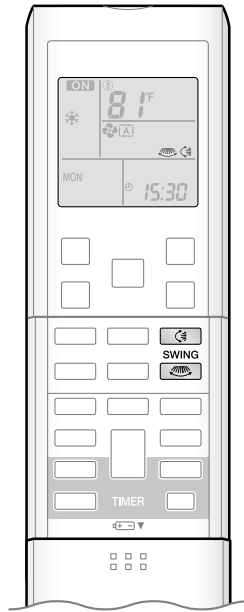
**⚠ CAUTION**

- Always use a remote controller to adjust the angles of the louvers and fins. If you attempt to move the louvers and fins forcibly with hand when they are swinging, the mechanism may be broken.
- Always use a remote controller to adjust the fins angles. Inside the air outlet, a fan is rotating at a high speed.

FTXS15/18LVJU



# Adjusting the Airflow Direction and Rate



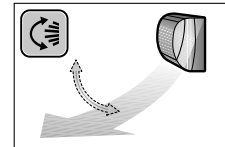
You can adjust the airflow direction to increase your comfort.

## ■ To start auto swing

### Upper and lower airflow direction

Press .

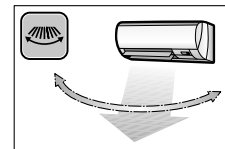
- “” is displayed on the LCD.
- The louvers (horizontal blades) will begin to swing.



### Right and left airflow direction

Press .

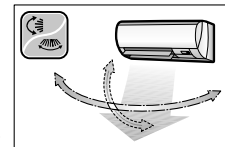
- “” is displayed on the LCD.
- The fins (vertical blades) will begin to swing.



### The 3-D airflow direction

Press and .

- “” and “” are displayed on the LCD.
- The louvers and fins move in turn.
- To cancel 3-D airflow, press either or again. The louvers or fins will stop moving.

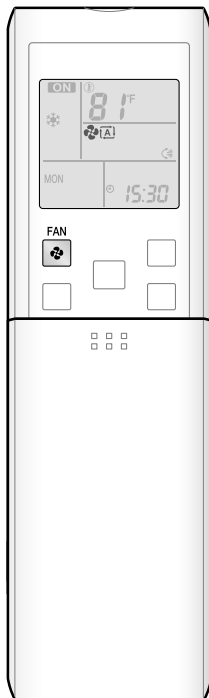


## ■ To set the louvers or fins at desired position

- This function is effective while louvers or fins are in auto swing mode.


Press and when the louvers or fins have reached the desired position.

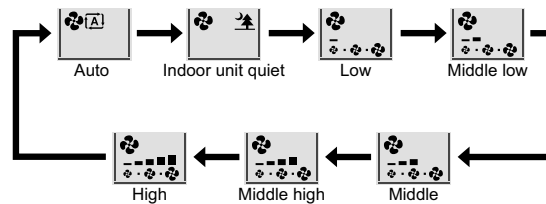
- In the 3-D airflow, the louvers and fins move in turn.
- “” or “” is no longer displayed on the LCD.




**To adjust the airflow rate setting**

Press .

- Each pressing of  advances the airflow rate setting in sequence.

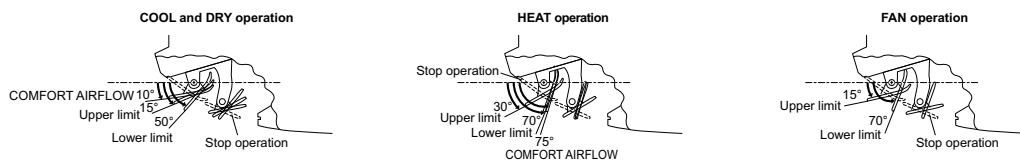


- When the airflow is set to “”, indoor unit quiet operation will start and the sound from the unit will become quieter.
- In indoor unit quiet operation, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting is not variable.

**NOTE**

**Notes on the angles of the louvers**

- The louvers swinging range depends on the operation. (See the figure.)



**Note on 3-D airflow**

- Using 3-D airflow circulates cold air, which tends to be collected at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

**Note on airflow rate setting**

- At smaller airflow rates, the cooling (heating) effect is also smaller.

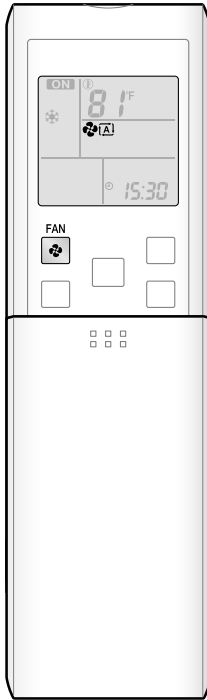
**CAUTION**

- Always use a remote controller to adjust the angles of the louvers and fins. If you attempt to move the louvers and fins forcibly with hand when they are swinging, the mechanism may be broken.
- Always use a remote controller to adjust the fins angles. Inside the air outlet, a fan is rotating at a high speed.

## CDXS, FDXS Series




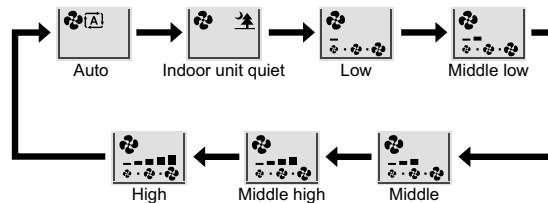
# Adjusting the Airflow Rate




## ■ To adjust the airflow rate setting

Press .

- Each pressing of  advances the airflow rate setting in sequence.



- When the airflow is set to “”, indoor unit quiet operation will start and the noise from the unit will become quieter.
- In indoor unit quiet operation, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting is not variable.

## NOTE

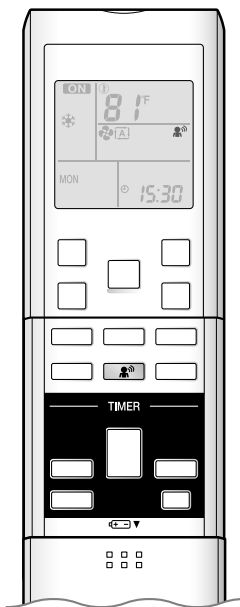
### ■ Note on airflow rate setting

- At smaller airflow rates, the cooling (heating) effect is also smaller.

## 1.7 COMFORT AIRFLOW / INTELLIGENT EYE Operation

CTXS09/12HVJU

# INTELLIGENT EYE Operation



“INTELLIGENT EYE” is the infrared sensor which detects the human movement.


### ■ To start INTELLIGENT EYE operation

**1. Press**  .

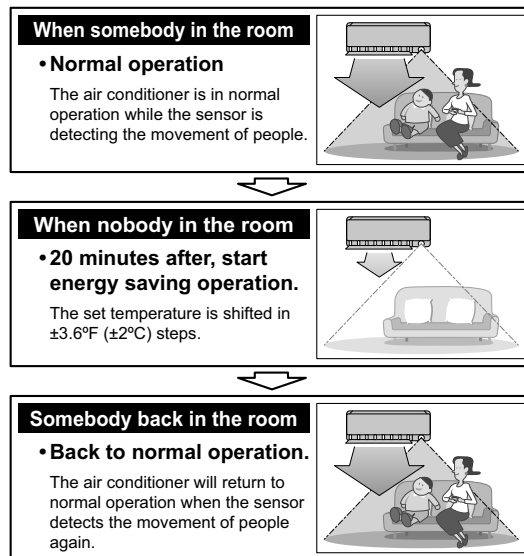
- “” is displayed on the LCD.

### ■ To cancel INTELLIGENT EYE operation

**2. Press**  again.

- “” is no longer displayed on the LCD.

### [Example]



## “INTELLIGENT EYE” is useful for energy saving

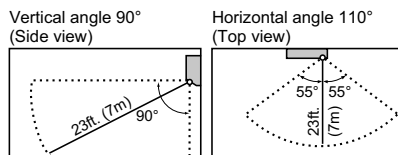
### ■ Energy saving operation

- Change the temperature  $-3.6^{\circ}\text{F}$  ( $-2^{\circ}\text{C}$ ) in HEAT /  $+3.6^{\circ}\text{F}$  ( $+2^{\circ}\text{C}$ ) in COOL /  $+1.8^{\circ}\text{F}$  ( $+1^{\circ}\text{C}$ ) in DRY operation from set temperature.
- Decrease the airflow rate slightly in FAN operation only.
- If no presence detected in the room for 20 minutes.

## NOTE

### ■ Notes on INTELLIGENT EYE operation

- Application range is as follows.



- Sensor may not detect moving objects further than 23ft. (7m) away. (Check the application range.)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during POWERFUL operation.
- NIGHT SET mode will not go on during use of INTELLIGENT EYE operation.

## ⚠ CAUTION

- Do not place large objects near the sensor.  
Also keep heating units or humidifiers outside the sensor's detection area. This sensor can detect undesirable objects.
- Do not hit or forcefully push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.



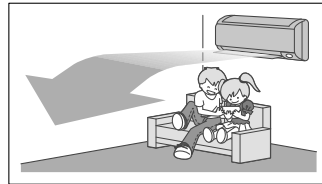
CTXS07LVJU, FTXS15/18LVJU



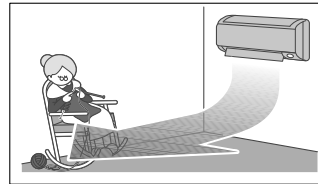
# COMFORT AIRFLOW / INTELLIGENT EYE Operation

## COMFORT AIRFLOW operation

The flow of air will be in the upward direction while in COOL operation and in the downward direction while in HEAT operation, providing comfortable cool or warm air that does not come in direct contact with people.



COOL operation



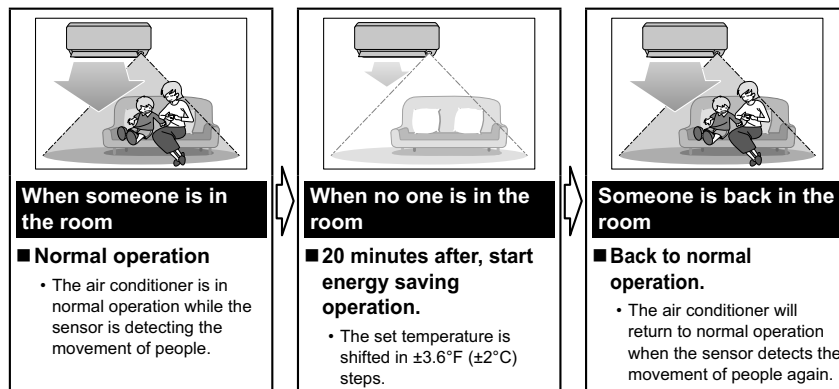
HEAT operation

## INTELLIGENT EYE operation

“INTELLIGENT EYE” is the infrared sensor which detects the human movement.

If no one is in the room for more than 20 minutes, the operation automatically changes to energy saving operation.

### [Example]



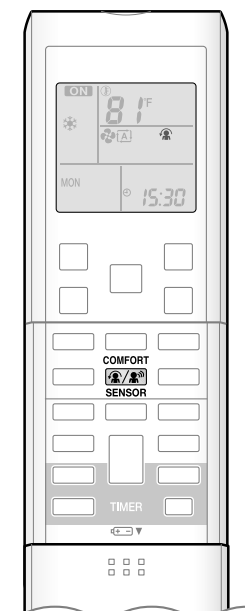
## INTELLIGENT EYE operation is useful for energy saving

### Energy saving operation

- If no presence detected in the room for 20 minutes, the energy saving operation will start.
- This operation changes the temperature  $-3.6^{\circ}\text{F}$  ( $-2^{\circ}\text{C}$ ) in HEAT /  $+3.6^{\circ}\text{F}$  ( $+2^{\circ}\text{C}$ ) in COOL /  $+3.6^{\circ}\text{F}$  ( $+2^{\circ}\text{C}$ ) in DRY operation from set temperature. When the room temperature exceeds  $86^{\circ}\text{F}$  ( $30^{\circ}\text{C}$ ), the operation changes the temperature  $+1.8^{\circ}\text{F}$  ( $+1^{\circ}\text{C}$ ) in COOL /  $+1.8^{\circ}\text{F}$  ( $+1^{\circ}\text{C}$ ) in DRY operation from set temperature.
- This operation decreases the airflow rate slightly in FAN mode only.


## Combination COMFORT AIRFLOW and INTELLIGENT EYE operation

The air conditioner can go into operation with the COMFORT AIRFLOW and INTELLIGENT EYE functions combined.



### ■ To start operation

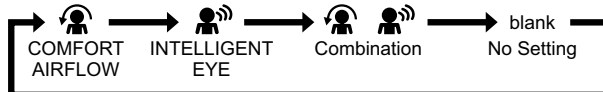
Press  and select the desired mode.

- Each time the  is pressed a different setting option is displayed on the LCD.
- The INTELLIGENT EYE lamp lights green.



Display

- By selecting " 



- When the louvers (horizontal blades) are swinging, the operating as above will stop movement of them.
- The lamp will be lit while human movements are detected.

### ■ To cancel operation

Press  and select "blank" on the LCD.

- The INTELLIGENT EYE lamp goes off.

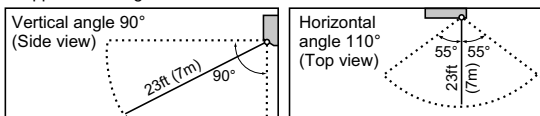
## NOTE

### ■ Notes on COMFORT AIRFLOW operation

- The louver position will change, preventing air from blowing directly on the occupants of the room.
- POWERFUL operation and COMFORT AIRFLOW operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- The airflow rate will be set to AUTO. If the upper and lower airflow direction is selected, the COMFORT AIRFLOW function will be canceled.

### ■ Notes on INTELLIGENT EYE operation

- Application range is as follows.



- Sensor may not detect moving objects further than 23ft (7m) away. (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during POWERFUL operation.
- NIGHT SET mode will not go on during use of INTELLIGENT EYE operation.

### ■ Notes on combination of COMFORT AIRFLOW operation and INTELLIGENT EYE operation

- The airflow rate will be set to AUTO. If the upper and lower airflow direction is selected, the COMFORT AIRFLOW operation will be canceled. Priority is given to the function of whichever button is pressed last.

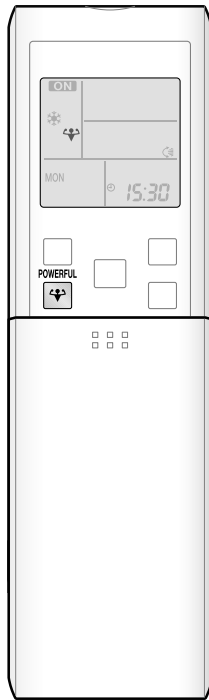
## ⚠ CAUTION

- Do not place large objects near the sensor. Keep heating units or humidifiers outside the sensor's detection area. This sensor can detect undesirable objects.
- Do not hit or forcefully push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.

## 1.8 POWERFUL Operation




# POWERFUL Operation



POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.


### ■ To start POWERFUL operation

Press  during operation.

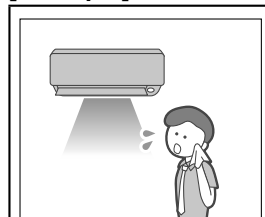
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.
- “” is displayed on the LCD.

### ■ To cancel POWERFUL operation

Press  again.

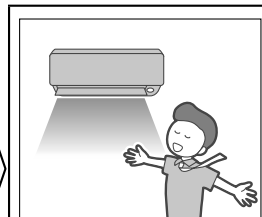
- “” is no longer displayed on the LCD.

### [Example]



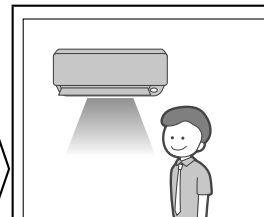
#### ■ Normal operation

- When you want to get the cooling effect quickly, start the POWERFUL operation.



#### ■ POWERFUL operation



- POWERFUL operation will work for 20 minutes.



#### ■ Back to normal operation

## NOTE

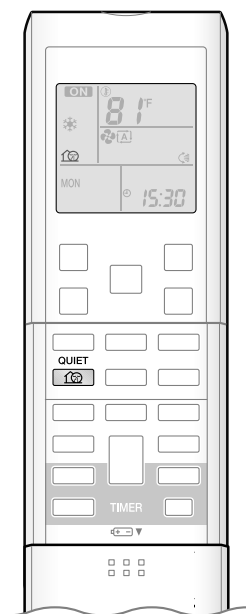
### ■ Notes on POWERFUL operation

- When using POWERFUL operation, there are some functions which are not available.
- POWERFUL operation cannot be used together with ECONO, COMFORT AIRFLOW or OUTDOOR UNIT QUIET operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL operation can only be set when the unit is running. Pressing  causes the settings to be canceled, and “” is no longer displayed on the LCD.
- POWERFUL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
- **In COOL, HEAT and AUTO operation**  
To maximize the cooling (heating) effect, the capacity of outdoor unit is increased and the airflow rate is fixed to the maximum setting. The temperature and airflow settings are not variable.
- **In DRY operation**  
The temperature setting is lowered by 4.5°F (2.5°C) and the airflow rate is slightly increased.
- **In FAN operation**  
The airflow rate is fixed to the maximum setting.

## 1.9 OUTDOOR UNIT QUIET Operation



# OUTDOOR UNIT QUIET Operation



OUTDOOR UNIT QUIET operation lowers the sound level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during the night.


### ■ To start OUTDOOR UNIT QUIET operation

Press .

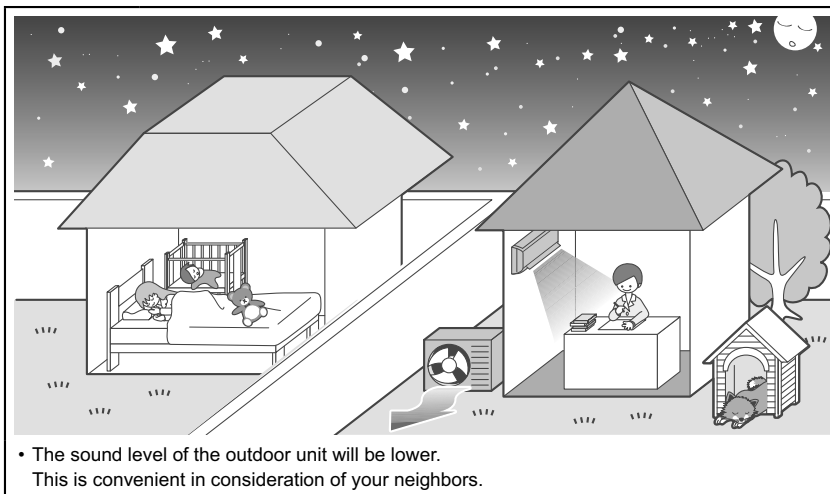
- “” is displayed on the LCD.

### ■ To cancel OUTDOOR UNIT QUIET operation

Press  again.

- “” is no longer displayed on the LCD.


**[Example]** Using the OUTDOOR UNIT QUIET operation during the night.



- The sound level of the outdoor unit will be lower.  
This is convenient in consideration of your neighbors.

## NOTE

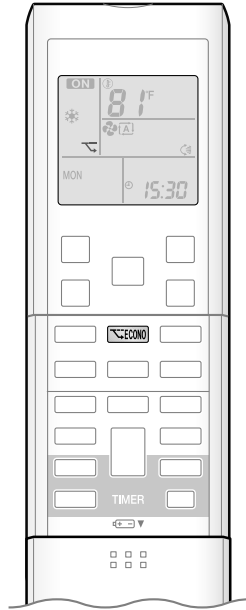
### ■ Notes on OUTDOOR UNIT QUIET operation

- If using a multi system, the OUTDOOR UNIT QUIET operation will work only when this function is set on all operated indoor units. However, if using priority room setting, refer to “Note for multi system”.
- This function is available in COOL, HEAT, and AUTO operation.  
This is not available in FAN and DRY operation.
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time.  
Priority is given to the function of whichever button is pressed last.
- Even the operation is stopped using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.

## 1.10 ECONO Operation



# ECONO Operation



ECONO operation is a function which enables efficient operation by limiting the maximum power consumption value. This function is useful for cases in which attention should be paid to ensure a circuit breaker will not trip when the product runs alongside other appliances.

### ■ To start ECONO operation

Press during operation.

- "ECONO" is displayed on the LCD.

### ■ To cancel ECONO operation

Press again.

- "ECONO" is no longer displayed on the LCD.

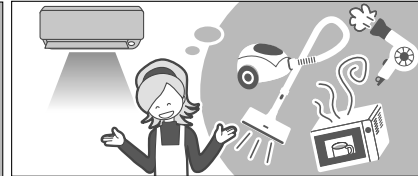
### [Example]

#### Normal operation

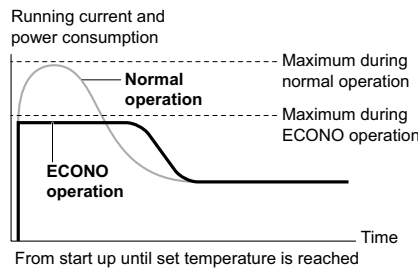


- In case the air conditioner and other appliances which require high power consumption are used at same time, a circuit breaker may trip if the air conditioner operate with its maximum capacity.

#### ECONO operation



- The maximum power consumption of the air conditioner is limited by using ECONO operation. The circuit breaker is unlikely to trip even if the air conditioner and other appliances are used at same time.



- This diagram is a representation for illustrative purposes only. The maximum running current and power consumption of the air conditioner in ECONO operation vary with the connecting outdoor unit.

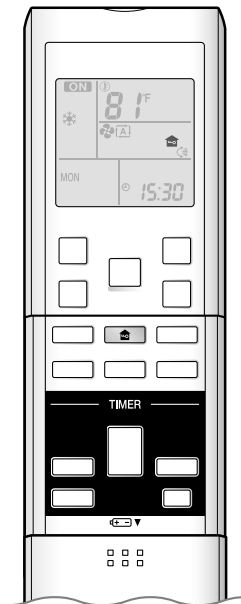
## NOTE

### ■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing causes the settings to be canceled, and "ECONO" is no longer displayed on the LCD.
- ECONO operation functions in AUTO, COOL, DRY, and HEAT operation.
- POWERFUL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If the level of power consumption is already low, ECONO operation will not drop the power consumption.

## 1.11 HOME LEAVE Operation


# HOME LEAVE Operation

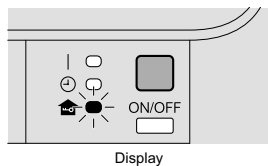


HOME LEAVE operation is a function which allows you to record your preferred temperature and airflow rate settings.

### ■ To start HOME LEAVE operation


#### 1. Press .

- “” is displayed on the LCD.
- The HOME LEAVE lamp lights up.



### ■ To cancel HOME LEAVE operation





#### 2. Press again.





- “” is no longer displayed on the LCD.
- The HOME LEAVE lamp goes off.

### Before using HOME LEAVE operation.

#### ■ To set the temperature and airflow rate for HOME LEAVE operation


When using HOME LEAVE operation for the first time, please set the temperature and airflow rate for HOME LEAVE operation. Record your preferred temperature and airflow rate.

	Initial setting		Selectable range	
	Temperature	Airflow rate	Temperature	Airflow rate
Cooling	77°F (25°C)	AUTO	64-90°F (18-32°C)	5 step, “  ” and “  ”
Heating	77°F (25°C)	AUTO	50-86°F (10-30°C)	5 step, “  ” and “  ”

1. Press . Make sure “” is displayed in the remote controller display.
2. Adjust the set temperature with  or  as you like.
3. Adjust the airflow rate with FAN setting button as you like.

HOME LEAVE operation will run with these settings the next time you use the unit. To change the recorded information, repeat steps 1 – 3.

## ■ What's the HOME LEAVE operation?

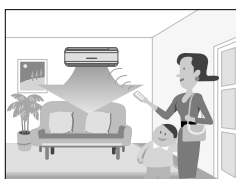
Is there a set temperature and airflow rate which is most comfortable, a set temperature and airflow rate which you use the most? HOME LEAVE operation is a function that allows you to record your favorite set temperature and airflow rate. You can start your favorite operation mode simply by pressing  on the remote controller. This function is convenient in the following situations.


### ■ Useful in these cases

#### 1. Use as an energy-saving mode.

Set the temperature 3-5°F(2-3°C) higher (COOL) or lower (HEAT) than normal. Setting the fan speed to the lowest setting allows the unit to be used in energy-saving mode. Also convenient for use while you are out or sleeping.

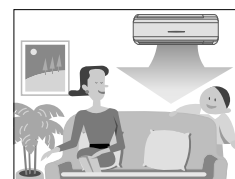
##### • Every day before you leave the house...




When you go out, press  and the air conditioner will adjust capacity to reach the preset temperature for HOME LEAVE operation.



When you return, you will be welcomed by a comfortably air conditioned room.



Press  again, and the air conditioner will adjust capacity to the set temperature for normal operation.

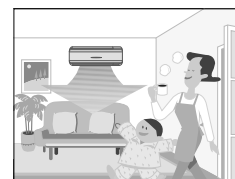
##### • Before bed...



Set the unit to HOME LEAVE operation before leaving the living room when going to bed.




The unit will maintain the temperature in the room at a comfortable level while you sleep.




When you enter the living room in the morning, the temperature will be just right. Disengaging HOME LEAVE operation will return the temperature to that set for normal operation. Even the coldest winters will pose no problem!

#### 2. Use as a favorite mode.

Once you record the temperature and airflow rate settings you most often use, you can retrieve them by pressing . You do not have to make all the selections again.

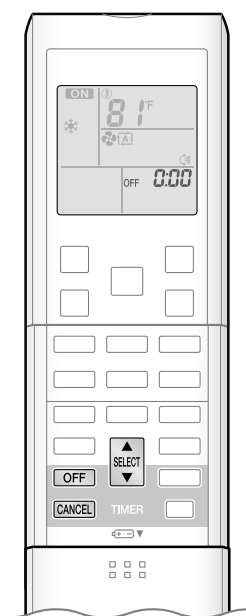
### NOTE

- Once the temperature and airflow rate for HOME LEAVE operation are set, those settings will be used whenever HOME LEAVE operation is used in the future. To change these settings, please refer to the before using HOME LEAVE operation section above.
- HOME LEAVE operation is only available in COOL and HEAT operation. It cannot be used in AUTO, DRY, and FAN operation.
- HOME LEAVE operation runs in accordance with the previous operation mode (COOL or HEAT) before using HOME LEAVE operation.
- HOME LEAVE operation and POWERFUL operation cannot be used at the same time. Last button that was pressed has priority.
- The operation mode cannot be changed while HOME LEAVE operation is being used.
- When operation is shut off during HOME LEAVE operation, using the remote controller or the indoor unit ON/OFF switch, "" will remain on the remote controller display.

## 1.12 OFF TIMER Operation



# OFF TIMER Operation



Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

### ■ To use OFF TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time.

#### 1. Press **OFF**.



"0:00" is displayed on the LCD.  
"OFF" blinks.

- "⊕" is no longer displayed on the LCD.

#### 2. Press **SELECT** until the time setting reaches the point you like.

- Each pressing of either button increases or decreases the time setting by 10 minutes.  
Holding down either button changes the time setting rapidly.

#### 3. Press **OFF** again.

- "OFF" and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

### ■ To cancel OFF TIMER operation

Press **CANCEL**.

- "OFF" and setting time are no longer displayed on the LCD.
- "⊕" and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

### NOTE

#### ■ Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- Once you set ON/OFF TIMER, the time setting is kept in the memory. The memory is canceled when remote controller batteries are replaced.
- When operating the unit via the ON/OFF TIMER, the actual length of operation may vary from the time entered by the user. (Maximum approximately 10 minutes)

#### ■ NIGHT SET mode

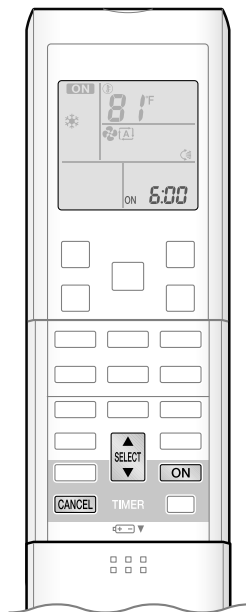
- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.9°F (0.5°C) up in COOL, 3.6°F (2.0°C) down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.



## 1.13 ON TIMER Operation



# ON TIMER Operation



### ■ To use ON TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time.

#### 1. Press **ON**.



- "6:00" is displayed on the LCD.
- "ON" blinks.

- "⊕" and day of the week are no longer displayed on the LCD.

#### 2. Press **SELECT** until the time setting reaches the point you like.

- Each pressing of either button increases or decreases the time setting by 10 minutes.  
Holding down either button changes the setting rapidly.

#### 3. Press **ON** again.

- "ON" and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

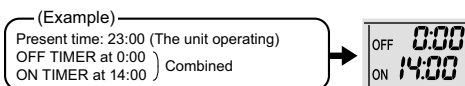
### ■ To cancel ON TIMER operation

#### Press **CANCEL**.

- "ON" and setting time are no longer displayed on the LCD.
- "⊕" and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

### ■ To combine ON TIMER and OFF TIMER

- A sample setting for combining the 2 timers is shown below.



### NOTE

#### ■ In the following cases, set the timer again.

- After a breaker has turned off.
- After a power failure.
- After replacing batteries in the remote controller.

## 1.14 WEEKLY TIMER Operation

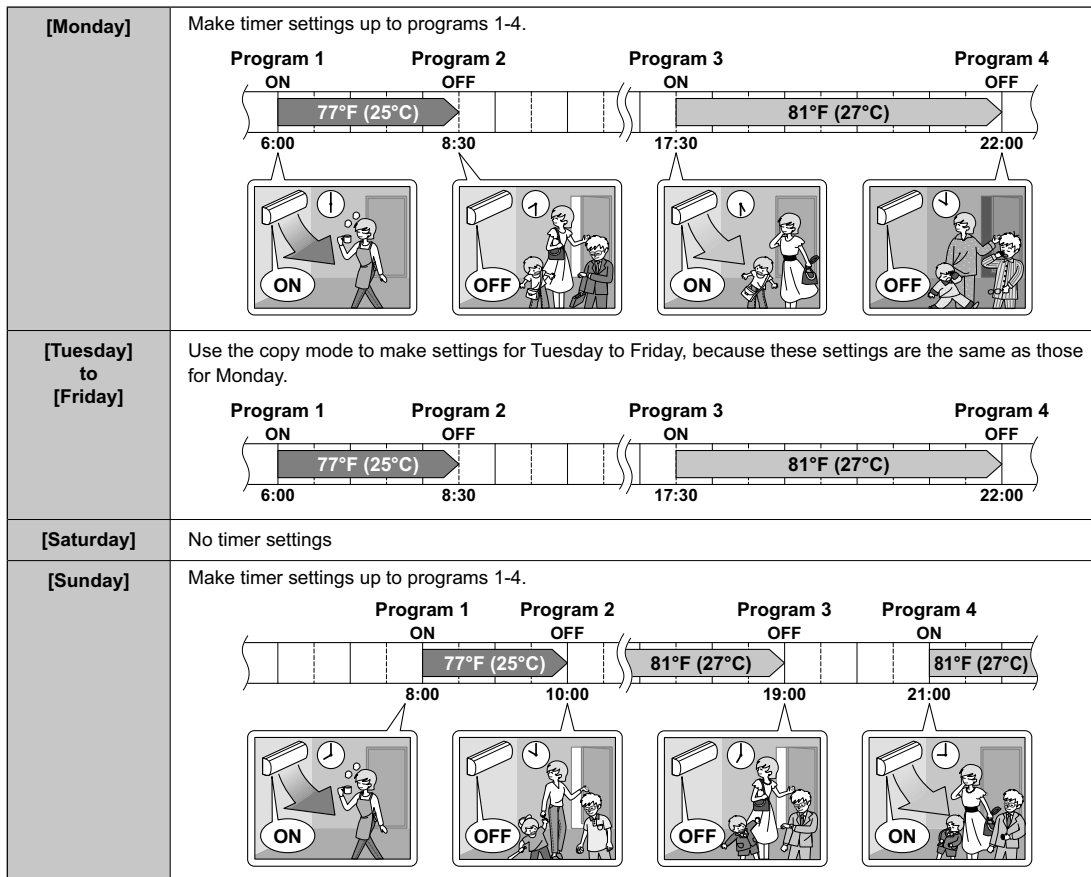


# WEEKLY TIMER Operation

Up to 4 timer settings can be saved for each day of the week. It is convenient if the WEEKLY TIMER is set according to the family's life style.

### ■ Using in these cases of WEEKLY TIMER

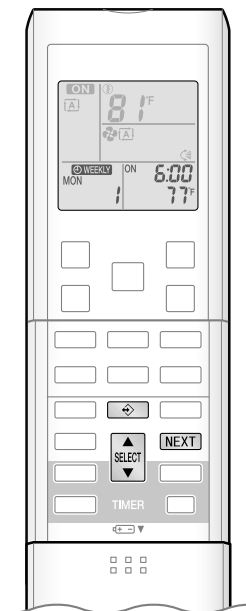
**Example:** The same timer settings are made for the week from Monday through Friday while different timer settings are made for the weekend.



- Up to 4 reservations per day and 28 reservations per week can be set in the WEEKLY TIMER. The effective use of the copy mode ensures ease of making reservations.
- The use of ON-ON-ON-ON settings, for example, makes it possible to schedule operating mode and set temperature changes. Furthermore, by using OFF-OFF-OFF-OFF settings, only the turn off time of each day can be set. This will turn off the air conditioner automatically if the user forgets to turn it off.



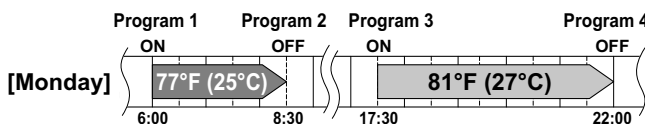
# WEEKLY TIMER Operation



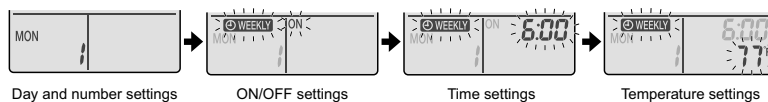
## To use WEEKLY TIMER operation

### Setting mode

- Make sure the day of the week and time are set. If not, set the day of the week and time.



### Setting Displays



### 1. Press

- The day of the week and the reservation number of the current day will be displayed.
- 1 to 4 settings can be made per day.

### 2. Press to select the desired day of the week and reservation number.

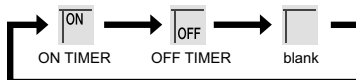
- Pressing changes the reservation number and the day of the week.

### 3. Press .

- The day of the week and reservation number will be set.
- "WEEKLY" and "ON" blink.

### 4. Press to select the desired mode.

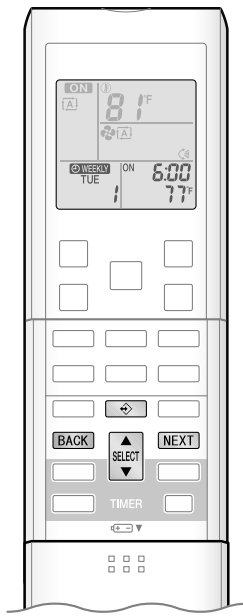
- Pressing changes "ON" or "OFF" setting in sequence.



- In case the reservation has already been set, selecting "blank" deletes the reservation.
- Go to **STEP 9** if "blank" is selected.

### 5. Press .

- The ON/OFF TIMER mode will be set.
- "WEEKLY" and the time blink.



## 6. Press to select the desired time.

- The time can be set between 0:00 and 23:50 in 10 minute intervals.
- To return to the ON/OFF TIMER mode setting, press **BACK**.
- Go to **STEP 9** when setting the OFF TIMER.

## 7. Press .

- The time will be set.
- “**WEEKLY**” and the temperature blink.

## 8. Press to select the desired temperature.

- The temperature can be set between 50°F (10°C) and 90°F (32°C).  
Cooling: The unit operates at 64°F (18°C) even if it is set at 50 (10) to 63°F (17°C).  
Heating: The unit operates at 86°F (30°C) even if it is set at 87 (31) to 90°F (32°C).
- To return to the time setting, press **BACK**.
- The set temperature is only displayed when the mode setting is on.

## 9. Press .

- The temperature will be set and go to the next reservation setting.
- To continue further settings, repeat the procedure from **STEP 4**.

## 10. Press to complete the setting.

- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone and flashing the OPERATION lamp.
- “**WEEKLY**” is displayed on the LCD and WEEKLY TIMER operation is activated.
- The TIMER lamp lights yellow.




Display

- A reservation made once can be easily copied and the same settings used for another day of the week. Refer to **Copy mode**.

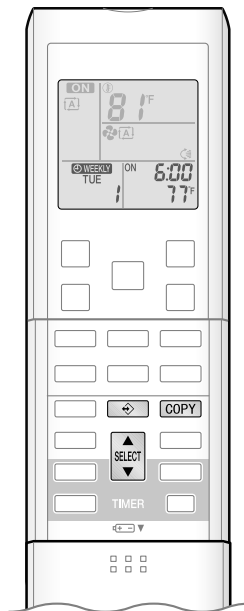
## NOTE

### ■ Notes on WEEKLY TIMER operation

- Do not forget to set the clock on the remote controller first.
- The day of the week, ON/OFF TIMER mode, time and set temperature (only for ON TIMER mode) can be set with WEEKLY TIMER. Other settings for ON TIMER are based on the settings just before the operation.
- Both WEEKLY TIMER and ON/OFF TIMER operation cannot be used at the same time. The ON/OFF TIMER operation has priority if it is set while WEEKLY TIMER is still active. The WEEKLY TIMER will go into standby state, and “**WEEKLY**” will be no longer displayed on the LCD. When ON/OFF TIMER is up, the WEEKLY TIMER will automatically become active.
- Only the time and set temperature with the WEEKLY TIMER are sent with the . Set the WEEKLY TIMER only after setting the operation mode, the airflow rate and the airflow direction ahead of time.
- Shutting the breaker off, power failure, and other similar events will render operation of the indoor unit's internal clock inaccurate. Reset the clock.
- The **BACK** can be used only for the time and temperature settings. It cannot be used to go back to the reservation number.

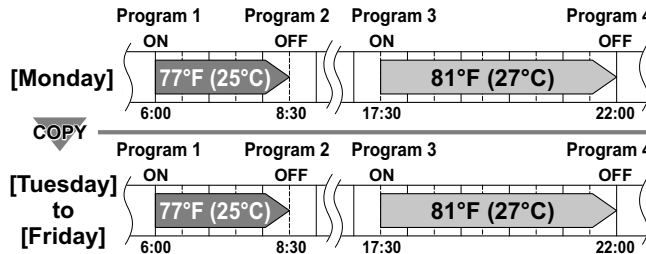


# WEEKLY TIMER Operation

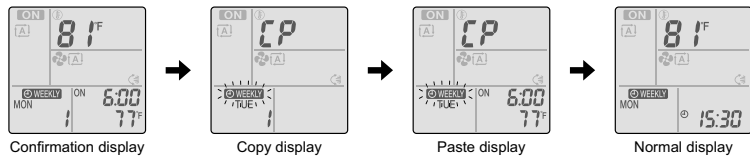


### Copy mode

- A reservation made once can be copied to another day of the week. The whole reservation of the selected day of the week will be copied.



### Setting Displays



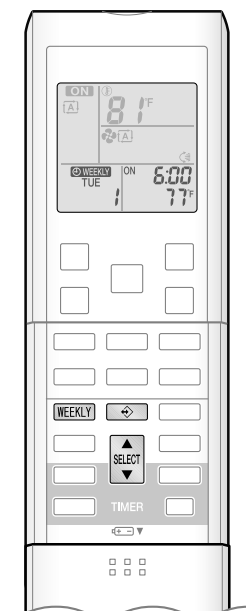
1. Press .
2. Press to confirm the day of the week to be copied.
3. Press .
  - The whole reservation of the selected day of the week will be copied.
4. Press to select the destination day of the week.
5. Press .
  - The reservation will be copied to the selected day of the week. The whole reservation of the selected day of the week will be copied.
  - To continue copying the settings to other days of the week, repeat **STEP 4** and **STEP 5**.
6. Press to complete the setting.
  - "WEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.

### NOTE

#### ■ Note on COPY MODE

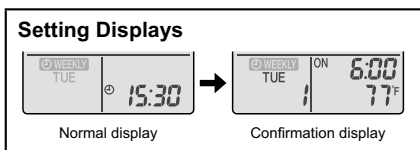
- The entire reservation of the source day of the week is copied in the copy mode.

In the case of making a reservation change for any day of the week individually after copying the content of weekly reservations, press and change the settings in the steps of **Setting mode**.



## ■ Confirming a reservation


- The reservation can be confirmed.




### 1. Press .

- The day of the week and the reservation number of current day will be displayed.

### 2. Press to select the day of the week and the reservation number to be confirmed.

- Pressing  displays the reservation details.
  - To change the confirmed reserved settings, select the reservation number and press **NEXT**.
- The mode is switched to setting mode. Go to **Setting mode STEP 4**.

### 3. Press to exit confirming mode.


- “ WEEKLY” is displayed on the LCD and WEEKLY TIMER operation is activated.
- The TIMER lamp lights yellow.



Display

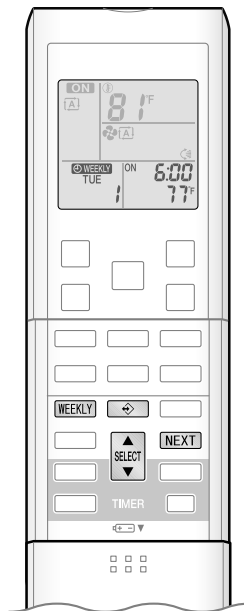
## ■ To deactivate WEEKLY TIMER operation

Press **WEEKLY** while “ WEEKLY” is displayed on the LCD.

- “ WEEKLY” will be no longer displayed on the LCD.
- The TIMER lamp goes off.
- To reactivate the WEEKLY TIMER operation, press **WEEKLY** again.
- If a reservation deactivated with **WEEKLY** is activated once again, the last reservation mode will be used.



# WEEKLY TIMER Operation



## ■ To delete reservations

### The individual reservation

1. Press .
    - The day of the week and the reservation number will be displayed.
  2. Press to select the day of the week and the reservation number to be deleted.
  3. Press .
    - “ WEEKLY” and “ON” or “OFF” blink.
  4. Press and select “blank”.
    - Pressing changes ON/OFF TIMER mode.
    - The reservation has no setting when selecting “blank”.
- ```

graph LR
    A[ON TIMER] --> B[OFF TIMER]
    B --> C[blank]
    
```
5. Press .
    - The selected reservation will be deleted.
  6. Press .
    - If there are still other reservations, WEEKLY TIMER operation will be activated.

### The reservations for each day of the week

- This function can be used for deleting reservations for each day of the week.
  - It can be used while confirming or setting reservations.
1. Press to select the day of the week to be deleted.
  2. Hold for 5 seconds.
    - The reservation of the selected day of the week will be deleted.

### All reservations

- Hold for 5 seconds while normal display.**
- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone.
  - This operation is not effective on the setting display of WEEKLY TIMER.
  - All reservations will be deleted.

## 1.15 Note for Multi System

# Note for Multi System

Multi system has one outdoor unit connected to multiple indoor units.

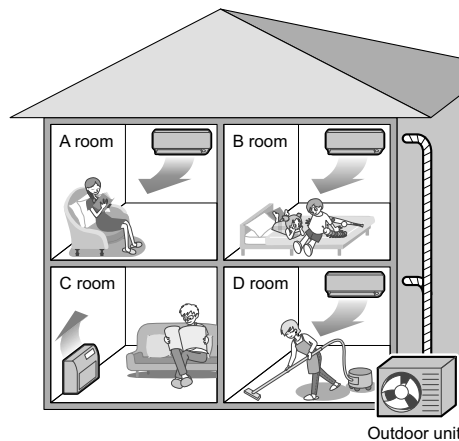
### ■ Selecting the operation mode

#### With the priority room setting present but inactive or not present.

When more than one indoor unit is operating, priority is given to the first unit that was turned on.

In this case, set the units that are turned on later to the same operation mode as the first unit.

Otherwise, they will enter the standby state, and the OPERATION lamp will flash: this does not indicate malfunction.



### NOTE

#### ■ Notes on operation mode for multi system

- COOL, DRY and FAN operation may be used at the same time.
  - AUTO operation automatically selects COOL operation or HEAT operation based on the room temperature.
- Therefore, AUTO operation is available when selecting the same operation mode as that of the room with the first unit to be turned on.

### ⚠ CAUTION

- Normally, the operation mode in the room where the unit is first run is given priority, but the following situations are exceptions, so please keep this in mind.

If the operation mode of the first room is **FAN operation**, then using **HEAT operation** in any room after this will give priority to **HEAT operation**. In this situation, the air conditioner running in FAN operation will go on standby, and the OPERATION lamp will flash.

#### With the priority room setting active.

Refer to "Priority room setting" on the next page.

### ■ NIGHT QUIET mode (Available only for COOL operation)

NIGHT QUIET mode requires initial programming during installation. Please consult your retailer or dealer for assistance. NIGHT QUIET mode reduces the operation sound of the outdoor unit during the nighttime hours to prevent annoyance to neighbors.

- The NIGHT QUIET mode is activated when the temperature drops 10.8°F (6°C) or more below the highest temperature recorded that day.
- Therefore, when the temperature difference is less than 7.2°F (4°C), this function will not be activated.
- NIGHT QUIET mode reduces slightly the cooling efficiency of the unit.

### ■ OUTDOOR UNIT QUIET operation

Refer to "OUTDOOR UNIT QUIET operation".

#### With the priority room setting present but inactive or not present.

When using the OUTDOOR UNIT QUIET operation feature with the Multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.

When clearing OUTDOOR UNIT QUIET operation, clear one of the operating indoor units using their remote controller.

However OUTDOOR UNIT QUIET operation display remains on the remote controller for other rooms.

We recommend you release all rooms using their remote controllers.

#### With the priority room setting active.

Refer to "Priority room setting" on the next page.



# Note for Multi System

## ■ COOL / HEAT mode lock

The COOL / HEAT mode lock requires initial programming during installation. Please consult your authorized dealer for assistance. The COOL / HEAT mode lock sets the unit forcibly to either COOL or HEAT operation. This function is convenient when you wish to set all indoor units connected to the multi system to the same operation mode.

## ■ Priority room setting

The priority room setting requires initial programming during installation. Please consult your authorized dealer for assistance. The room designated as the priority room takes priority in the following situations.

### Operation mode priority

- As the operation mode of the priority room takes precedence, the user can select a different operation mode from other rooms.

**[Example]**

- Room A is the priority room in the examples.

When COOL operation is selected in room A while operating the following modes in room B, C and D :

| Operation mode in room B, C and D | Status of room B, C and D when the unit in room A is in COOL operation                                                                                                    |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COOL or DRY or FAN                | Current operation mode maintained                                                                                                                                         |
| HEAT                              | The unit enters standby mode. Operation resumes when the room A unit stops operating.                                                                                     |
| AUTO                              | If the unit is set to COOL operation, it continues. If the unit is set to HEAT operation, it enters standby mode. Operation resumes when the room A unit stops operating. |

### Priority when POWERFUL operation is used

**[Example]**

- Room A is the priority room in the examples.

The indoor units in rooms A, B, C and D are all operating. If the unit in room A enters POWERFUL operation, operation capacity will be concentrated in room A. In such a case, the cooling (heating) efficiency of the units in room B, C and D may be slightly reduced.

### Priority when using OUTDOOR UNIT QUIET operation

**[Example]**

- Room A is the priority room in the examples.

Just by setting the unit in room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation. You don't have to set all the operated indoor units to QUIET operation.

## 1.16 Care and Cleaning

CTXS09/12HVJU

# Care and Cleaning



### CAUTION

Before cleaning, be sure to stop the operation and turn the breaker off.

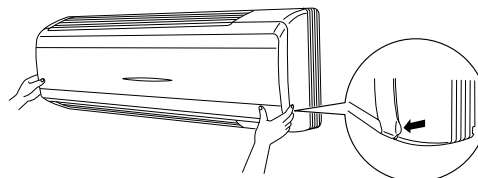
### Units

- Indoor unit, outdoor unit and remote controller  
Wipe them with a soft cloth when dirty.

### Front panel

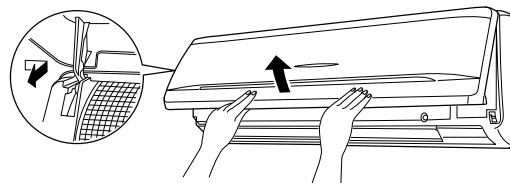
#### 1. Open the front panel.

- Hold the front panel by the panel tabs on the both sides and open it.



#### 2. Remove the front panel.

- Slide the front panel to either the left or right and pulling it toward you.  
This will disconnect the rotation dowel on one side.
- Disconnect the front panel shaft on the other side in the same manner.

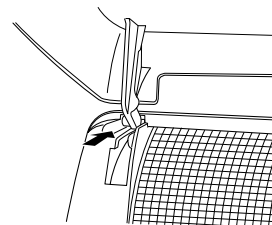


#### 3. Clean the front panel.

- Wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.
- If you wash the panel with water, wipe it with a dry soft cloth, and allow to dry in the shade.

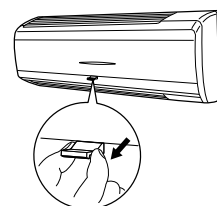
#### 4. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.
- Close the front panel slowly. (Press the panel at both sides and the center.)



### CAUTION

- When the packaging materials are attached to the front panel, please remove them.
- Do not touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 104°F (40°C), benzene, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front panel is securely fixed.

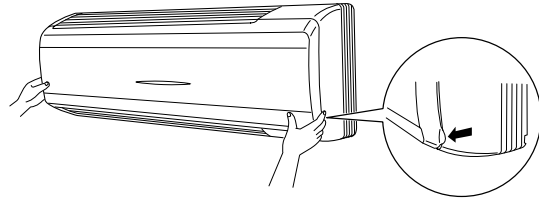


## Filters

### 1. Open the front panel.

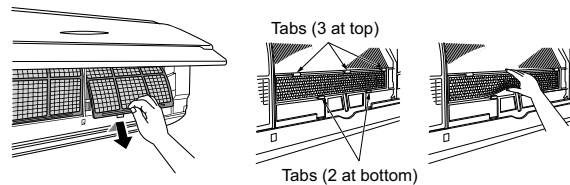
### 2. Pull out the air filters.

- Push a little upwards the tab at the center of each air filter, then pull it down.



### 3. Take off the air-purifying filter with photocatalytic deodorizing function.

- Press the top of the air-cleaning filter onto the tabs (3 at top). Then press the bottom of the filter up slightly, and press it onto the tabs (2 at bottom).

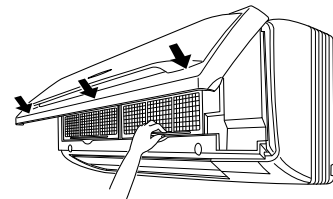


### 4. Clean or replace each filter.

See figure.

### 5. Set the air filter and the air-purifying filter with photocatalytic deodorizing function as they were and close the front panel.

- Press the front panel at both sides and the center.



## CAUTION

- Do not touch the aluminum fins by bare hand at the time of dismantling or mounting the filter.

# Care and Cleaning

## Air filter

**Wash the air filters with water or clean them with vacuum cleaner.**

- If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
- It is recommended to clean the air filters every 2 weeks.



## Air-purifying filter with photocatalytic deodorizing function

The air-purifying filter with photocatalytic deodorizing function can be renewed by washing it with water once every 6 months. We recommend replacing it once every 3 years.

### [Maintenance]

**1. Vacuum dust, and soak in warm water or water for about 10 to 15 minutes if dirt is heavy.**

- Do not remove filter from frame when washing with water.

**2. After washing, shake off remaining water and dry in the shade.**

- Since the material is made out of paper, do not wring out the filter when removing water from it.

### [Replacement]

**1. Remove the tabs on the filter frame and replace with a new filter.**

- Dispose of the old filters as flammable waste.

**NOTE**

- Operation with dirty filters:
  - 1) cannot deodorize the air,
  - 2) cannot clean the air,
  - 3) results in poor heating or cooling,
  - 4) may cause odor.
- To order air-purifying filter with photocatalytic deodorizing function contact to the service shop there you purchased the air conditioner.
- Dispose of the old filters as flammable waste.

| Item                                                                                | Part No.  |
|-------------------------------------------------------------------------------------|-----------|
| Air-purifying filter with photocatalytic deodorizing function (without frame) 1 set | KAF952A42 |



**ATTENTION**

- Do not throw away the filter frame. Reuse the filter frame when replacing the air-purifying filter with photocatalytic deodorizing function.

**CHECK**

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
- Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.
  - If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

**Before a long idle period****1. Operate the FAN only for several hours on a nice day to dry out the inside.**

- Press **MODE** and select “” operation.
- Press  and start operation.

**2. After operation stops, turn off the breaker for the room air conditioner.****3. Clean the air filters and set them again.****4. Take out batteries from the remote controller.**

CTXS07LVJU, FTXS15/18LVJU

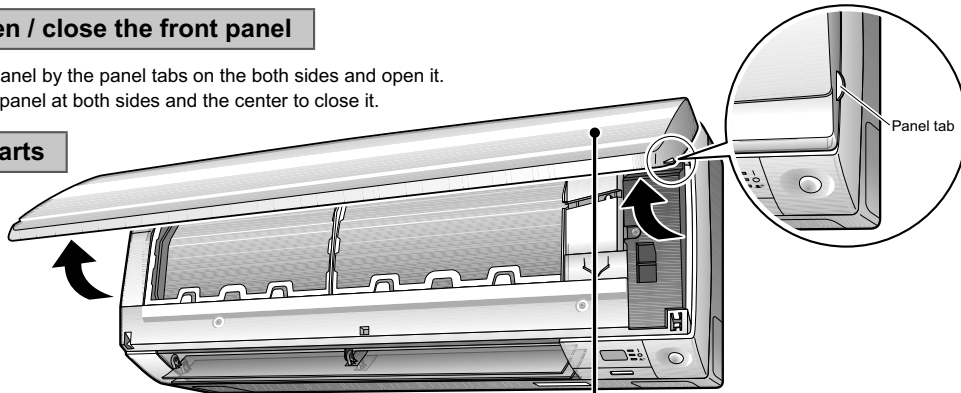
# Care and Cleaning

## ■ Quick reference

### How to open / close the front panel

- Hold the front panel by the panel tabs on the both sides and open it.
- Press the front panel at both sides and the center to close it.

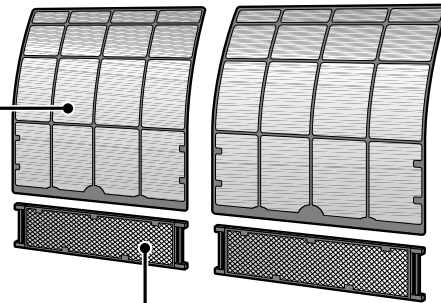
### Cleaning parts



#### Air filter

- Vacuum dust or wash the filter.

**Once every 2 weeks**



#### Front panel

- Wipe it with soft cloth soaked in water.

**If bothered by dirt**

#### Titanium apatite photocatalytic air-purifying filter

- Vacuum dust or replace the filter.

[Cleaning]

**Once every 6 months**

[Replacement]

**Once every 3 years**

#### Indoor unit, Outdoor unit and Remote controller

- Wipe them with soft cloth.

**If bothered by dirt**

### Notes on cleaning

#### ■ For cleaning, do not use the materials as follows.

- Hot water above 104°F (40°C).
- Benzine, gasoline, thinner, other volatile oils.
- Polishing compound.
- Scrubbing brushes, other hard stuff.



### ⚠ CAUTION

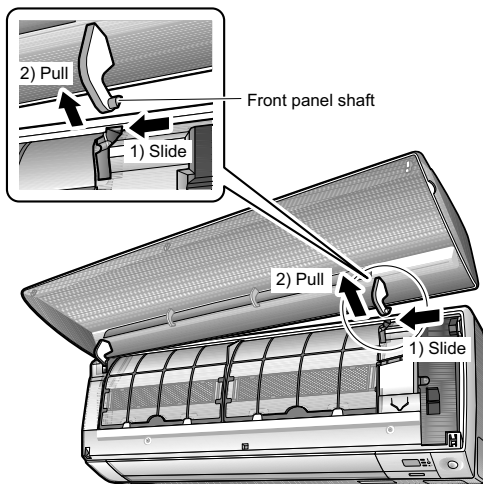
- Before cleaning, be sure to stop the operation and turn the breaker off.
- Do not touch the aluminum fins of the indoor unit. If you touch those parts, this may cause an injury.

# Care and Cleaning

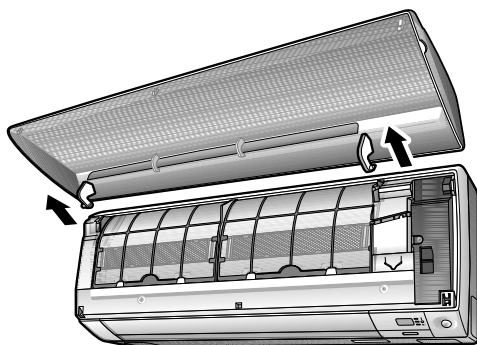
## ■ Front panel

### 1. Remove the front panel.

- Open the front panel.
- Slide the front panel to either the left or right and pulling it toward you. This will disconnect the front panel shaft on one side.



- Disconnect the front panel shaft on the other side in the same manner.

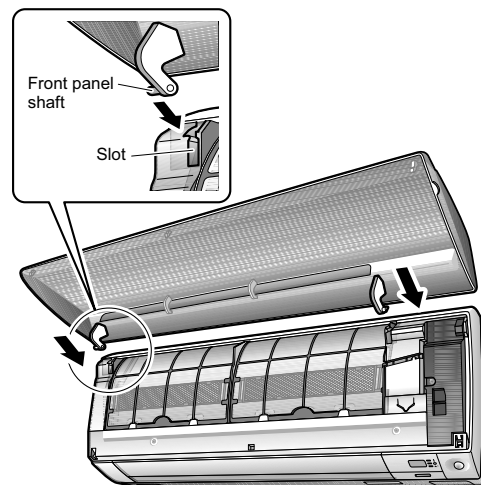


### 2. Clean the front panel.

- Wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.
- If you wash the panel with water, wipe it with a dry soft cloth, and allow to dry in the shade.

### 3. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.



- Close the front panel slowly. (Press the panel at both sides and the central area.)

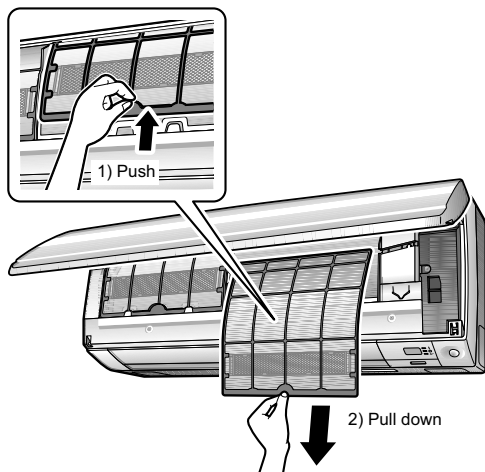
### ⚠ CAUTION

- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- After cleaning, make sure that the front panel is securely fixed.

## ■ Air filter

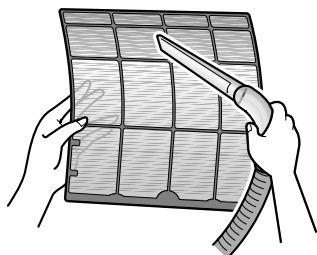
### 1. Pull out the air filters.

- Open the front panel.
- Push the filter tab at the center of each air filter slightly upward, then pull it down.



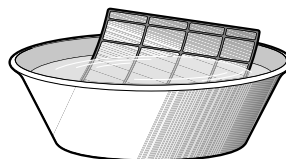
### 2. Wash the air filters with water or clean them with vacuum cleaner.

- It is recommended to clean the air filters every 2 weeks.



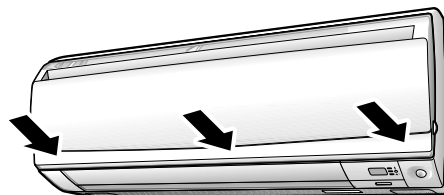
### If the dust does not come off easily

- Wash the air filters with neutral detergent thinned with lukewarm water, then allow to dry in the shade.
- Be sure to remove the titanium apatite photocatalytic air-purifying filter. Refer to "Titanium apatite photocatalytic air-purifying filter" on the next page.



### 3. Set the filters as they were and close the front panel.

- Press the front panel at both sides and the central area.



## ⚠ CAUTION

- Do not touch the aluminum fins by bare hand at the time of dismantling or mounting the filter.

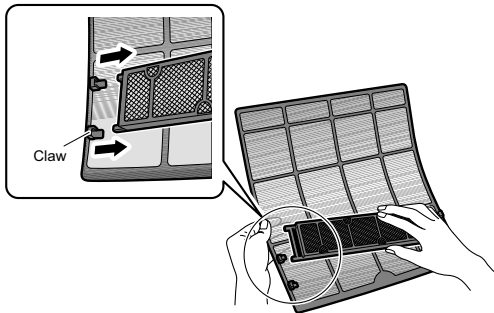


# Care and Cleaning

## ■ Titanium apatite photocatalytic air-purifying filter

### 1. Take off the titanium apatite photocatalytic air-purifying filter.

- Open the front panel and pull out the air filters.
- Hold the recessed parts of the frame and unhook the 4 claws.

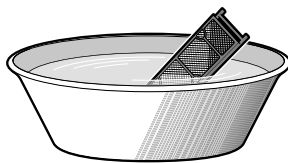


### 2. Clean or replace the titanium apatite photocatalytic air-purifying filter.

#### [Maintenance]

#### 2-1 Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.

- Do not remove the filter from frame when washing with water.

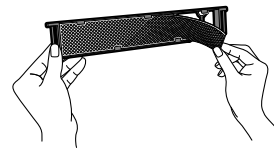


#### 2-2 After washing, shake off remaining water and dry in the shade.

- Since the material is made out of polyester, do not wring out the filter when removing water from it.

#### [Replacement]

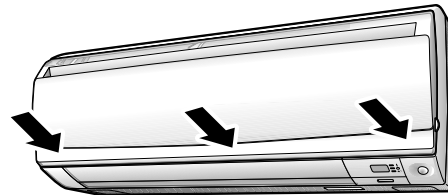
#### Remove the tabs on the filter frame and replace with a new filter.



- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite photocatalytic air-purifying filter.
- Dispose of the old filter as non-flammable waste.

### 3. Set the filters as they were and close the front panel.

- Press the front panel at both sides and the central area.



#### NOTE

- Operation with dirty filters:
  - cannot deodorize the air,
  - cannot clean the air,
  - results in poor heating or cooling,
  - may cause odor.
- Dispose of old filters as non-flammable waste.
- To order titanium apatite photocatalytic air-purifying filter contact to the service shop there you purchased the air conditioner.



|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| Item     | Titanium apatite photocatalytic air-purifying filter (without frame) 1 set |
| Part No. | KAF970A46                                                                  |

### ■ Check the units

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
- Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.
  - If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

### ■ Before a long idle period

#### 1. Operate the FAN only for several hours on a nice day to dry out the inside.

- Press **MODE** and select “” operation.
- Press  and start the operation.

#### 2. After operation stops, turn off the breaker for the room air conditioner.

#### 3. Clean the air filters and set them again.

#### 4. Take out batteries from the remote controller.

- When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation.

### ■ We recommend periodical maintenance

- In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist aside from regular cleaning by the user.
- For specialist maintenance, contact the service shop where you purchased the air conditioner.
- The maintenance cost must be born by the user.

# Care and Cleaning

**⚠ CAUTION**

- Only a qualified service person is allowed to perform maintenance.
- Before cleaning, be sure to stop the operation and turn the breaker off.

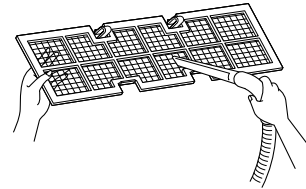
■ Air filter

## 1. Removing the air filter.

- Rear suction  
Pull the bottom side of the air filter backwards, over the bends.
- Bottom suction  
Pull the filter over the bends situated at the backside of the unit.

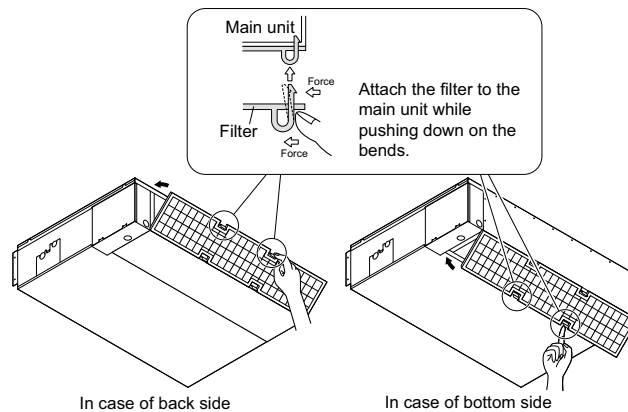
## 2. Cleaning the air filter.

- Remove dust from the air filter using a vacuum cleaner and gently rinse them in cool water. Do not use detergent or hot water to avoid filter shrinking or deformation. After cleaning dry them in the shade.



## 3. Replacing the air filter.

- Rear suction  
Hook the filter behind the flap situated at the top of the unit and push the other side gently over the bends.
- Bottom suction  
Hook the filter behind the flap situated at the middle of the unit and push the other side gently over the bends.



FDXS09/12, CDXS15/18 : 2 bends  
CDXS24 : 3 bends

### ■ Drain pan

- Clean the drain pan periodically, or drain piping may be clogged with dust and may result in water leakage. Ask your DAIKIN dealer to clean them.
- Prepare a cover locally to prevent any dust in the air around the indoor unit from getting in the drain pan, if there is a great deal of dust present.

### CAUTION


- Do not operate the air conditioner without filters, this to avoid dust accumulation inside the unit.
- Do not remove the air filter except when cleaning. Unnecessary handling may damage the filter.
- Do not use gasoline, benzene, thinner, polishing powder, liquid insecticide. It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.
- Operation with dusty air filters lowers the cooling and heating capacity and wastes energy.
- The suction grille is option.
- Do not use water or air of 122°F (50°C) or higher for cleaning air filters and outside panels.
- Ask your DAIKIN dealer how to clean it.

### ■ Check the units

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
- Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.
  - If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

### ■ Before a long idle period

#### 1. Operate the FAN only for several hours on a nice day to dry out the inside.

- Press **MODE** and select "🌀" operation.
- Press  and start the operation.

#### 2. After operation stops, turn off the breaker for the room air conditioner.

#### 3. Clean the air filters and set them again.

#### 4. Take out batteries from the remote controller.

- When a multi outdoor unit is connected, make sure the HEAT operation is not used at the other room before you use the FAN operation.

### ■ We recommend periodic maintenance

- In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodic maintenance by a specialist aside from regular cleaning by the user.
- For specialist maintenance, contact the service shop where you purchased the air conditioner.
- The maintenance cost must be born by the user.

## 1.17 Troubleshooting

# Troubleshooting

### ■ These incidents are not malfunctions.

- The following incidents do not indicate a malfunctioning air conditioner and have explanations. The air conditioner can continue to operate.

#### Indoor unit



#### The louvers do not immediately swing. The louvers move soon after startup.

- The air conditioner is adjusting the louver position. The louvers will start moving soon.

#### The HEAT operation stops suddenly and a flowing sound is heard.

- The outdoor unit is taking away the frost. The HEAT operation starts after the frost on the outdoor unit is removed. You should wait for about 4 to 12 minutes.

#### Operation does not start soon.

- When "ON/OFF" button was pressed soon after operation was stopped.
- When the mode was reselected.
  - This is to protect the air conditioner. You should wait for about 3 minutes.

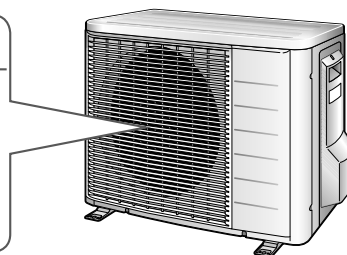
#### Possible sounds.

- **Flowing water**
  - Generated because the refrigerant in the air conditioner is flowing.
  - This is a pumping sound of the water in the air conditioner it is heard when the water is pumped out from the air conditioner in cooling or drying operation.
  - The refrigerant flows in the air conditioner even if the air conditioner is not working when the indoor units in other rooms are in operation.
- **Blowing**
  - Generated when the flow of the refrigerant in the air conditioner is switched over.
- **Ticking**
  - Generated when the size of the air conditioner slightly expands or shrinks as a result of temperature changes.
- **Whistling sound**
  - Generated when refrigerant flows during defrosting operation.
- **Clicking sound during operation or idle time**
  - Generated when the refrigerant control valves or the electrical parts operate.
- **Clopping sound**
  - Heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.

#### Outdoor unit

#### The outdoor unit emits water or steam.

- **In HEAT operation**
  - The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation.
- **In COOL or DRY operation**
  - Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.



- Troubleshooting measures are classified into the following two types on a remedial basis. Take an appropriate measure according to the symptom.



### Not malfunction

- The following conditions do not indicate a problem with the system.



### Check

- Please check again before calling a repair person.

#### The air conditioner does not operate. (OPERATION lamp is off.)

- Is a breaker off or a fuse blown?
- Is there a power failure?
- Are batteries set in the remote controller?
- Is the timer setting correct?



#### Hot air does not flow out soon after the start of HEAT operation.

- The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)



#### Operation stopped suddenly. (OPERATION lamp is on.)

- For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.



#### Operation stopped suddenly. (OPERATION lamp flashes.)

- Are the air filters clean?  
Clean the air filters.
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Turn the breaker off and take all obstacles away. Then turn it on again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the service shop where you purchased the air conditioner.
- Are operation modes all the same for indoor units connected to outdoor units in the **multi system**?  
If not, set all indoor units to the same operation mode and confirm that the lamps flash.  
When the operation mode is in "AUTO", set all indoor unit operation modes to "COOL" or "HEAT" for a moment and check again that the lamps are normal. If the lamps stop flashing after the above steps, there is no malfunction.



#### Mist comes out of the indoor unit.

- This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.
- This is because the air in the room is cooled by the heat exchanger and becomes mist during defrosting operation.



# Troubleshooting

## Cooling (Heating) effect is poor.

- Are the air filters clean?
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Is the temperature setting appropriate?
- Are the windows and doors closed?
- Are the airflow rate and the airflow direction set appropriately?



## The ON/OFF TIMER does not operate according to the settings.

- Check if the ON/OFF TIMER and the WEEKLY TIMER are set to the same time. Change or deactivate the settings in the WEEKLY TIMER.



## Remote controller does not work properly.

- No remote controller signals are displayed.
- Remote controller sensitivity is low.
- Display is low in contrast or blacked out.
- Display runs out of control.
  - The batteries are dying and the remote controller is malfunctioning. Replace all the batteries with new, size AAA.LR03 (alkaline). For details, refer to "To set the batteries" of this manual.



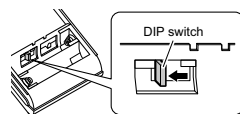
## The indoor unit gives out odor.

- This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the airflow. (If this happens, have the indoor unit washed by a technician from the service shop where you purchased the air conditioner.)



## HEAT operation cannot be selected, even though the unit is heat pump model.

- Slide the DIP switch to the left as shown in the illustration so that the HEAT operation can be selected with the "MODE" button.



## The outdoor fan rotates while the air conditioner is not in operation.

- After operation is stopped
  - The outdoor fan continues rotating for another 60 seconds for system protection.
- While the air conditioner is not in operation
  - When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.



## An abnormal functioning happens during operation.

- The air conditioner may malfunction with lightning or radio waves. Turn the breaker off, turn it on again and try operating the air conditioner with the remote controller.



## ■ Call the service shop immediately

### WARNING

- **When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker off.**
  - Continued operation in an abnormal condition may result in malfunctioning, electric shocks or fire.
  - Consult the service shop where you purchased the air conditioner.
- **Do not attempt to repair or modify the air conditioner by yourself.**
  - Incorrect work may result in electric shocks or fire.
  - Consult the service shop where you purchased the air conditioner.

If one of the following symptoms occurs, call the service shop immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The safety breaker, a fuse, or the ground leakage breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.

Turn the breaker off and call the service shop.



#### ■ After a power failure

- The air conditioner automatically resumes operation in about 3 minutes. Wait for it to restart.

#### ■ Lightning

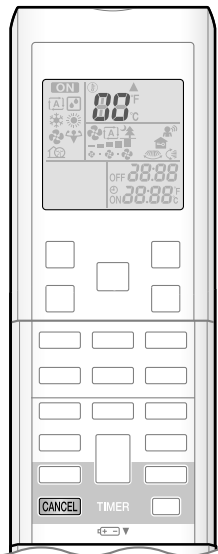
- If lightning may strike the neighboring area, stop operation and turn the breaker off for system protection.

## ■ Disposal requirements

- Dismantling the unit, and treatment of refrigerant, oil, and other parts, should be done in accordance with the relevant local and national regulations.



# Troubleshooting



## ■ Fault diagnosis by remote controller

- The remote controller can receive a corresponding error code from the indoor unit.

**1. When **CANCEL** is held down for 5 seconds, a “00” indication blinks on the temperature display section.**

**2. Press **CANCEL** repeatedly until a continuous beep is produced.**

- The code indication changes as displayed in the following table, and notifies with a long beep.

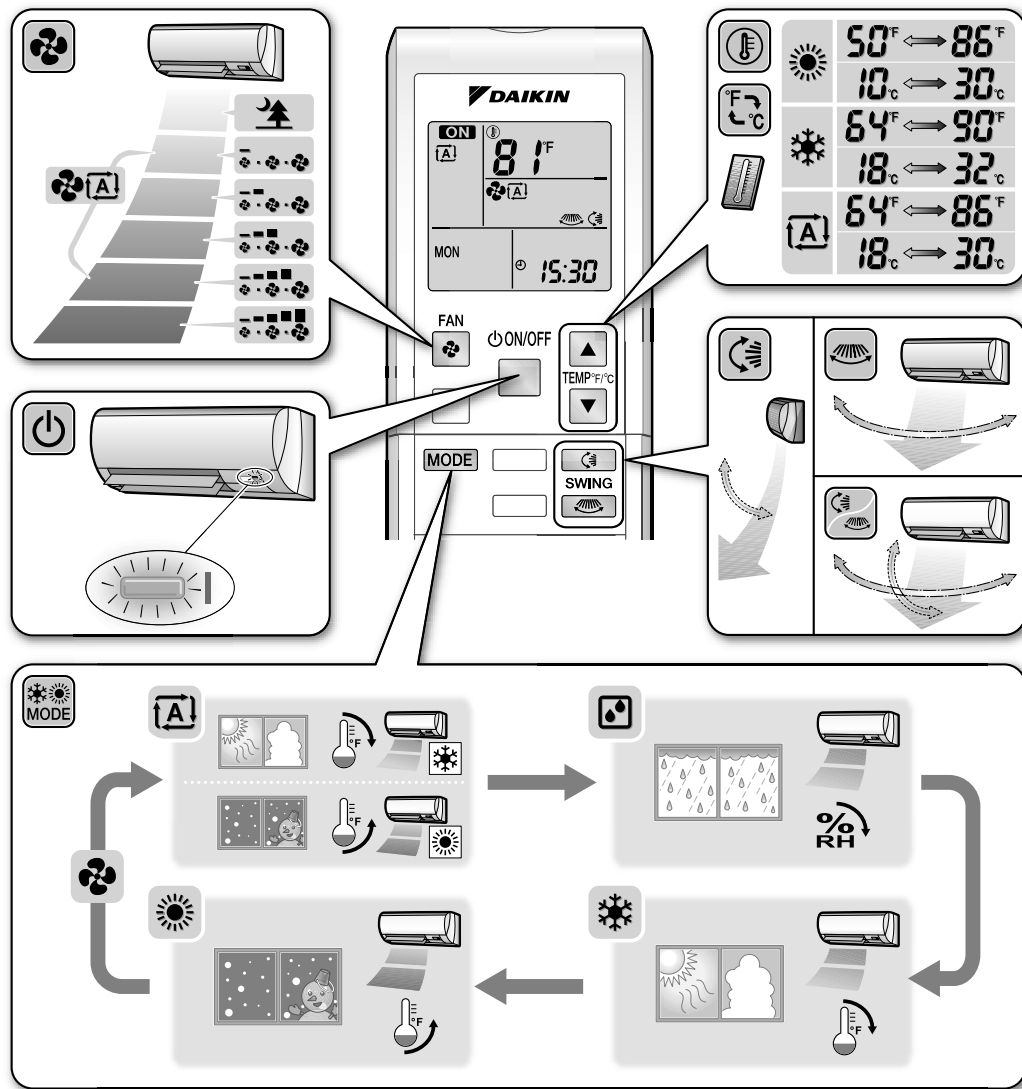
|              | CODE                                                | MEANING                                                        |
|--------------|-----------------------------------------------------|----------------------------------------------------------------|
| SYSTEM       | 00                                                  | NORMAL                                                         |
|              | UA                                                  | INDOOR-OUTDOOR UNIT COMBINATION FAULT                          |
|              | U0                                                  | REFRIGERANT SHORTAGE                                           |
|              | U2                                                  | DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE                       |
|              | U4                                                  | FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT) |
| INDOOR UNIT  | A1                                                  | INDOOR PCB DEFECTIVENESS                                       |
|              | A5                                                  | HIGH PRESSURE CONTROL OR FREEZE-UP PROTECTOR                   |
|              | A6                                                  | FAN MOTOR FAULT                                                |
|              | C4                                                  | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR                       |
| OUTDOOR UNIT | C9                                                  | FAULTY SUCTION AIR TEMPERATURE SENSOR                          |
|              | EA                                                  | COOLING-HEATING SWITCHING ERROR                                |
|              | E1                                                  | CIRCUIT BOARD FAULT                                            |
|              | E5                                                  | OL STARTED                                                     |
|              | E6                                                  | FAULTY COMPRESSOR START UP                                     |
|              | E7                                                  | DC FAN MOTOR FAULT                                             |
|              | E8                                                  | OVERCURRENT INPUT                                              |
|              | F3                                                  | HIGH TEMPERATURE DISCHARGE PIPE CONTROL                        |
|              | F6                                                  | HIGH PRESSURE CONTROL (IN COOLING)                             |
|              | H0                                                  | SENSOR FAULT                                                   |
|              | H6                                                  | OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR         |
|              | H8                                                  | DC CURRENT SENSOR FAULT                                        |
|              | H9                                                  | FAULTY SUCTION AIR TEMPERATURE SENSOR                          |
|              | J3                                                  | FAULTY DISCHARGE PIPE TEMPERATURE SENSOR                       |
|              | J6                                                  | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR                       |
|              | L3                                                  | ELECTRICAL PARTS HEAT FAULT                                    |
|              | L4                                                  | HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK                  |
| L5           | OUTPUT OVERCURRENT                                  |                                                                |
| P4           | FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR |                                                                |

### NOTE

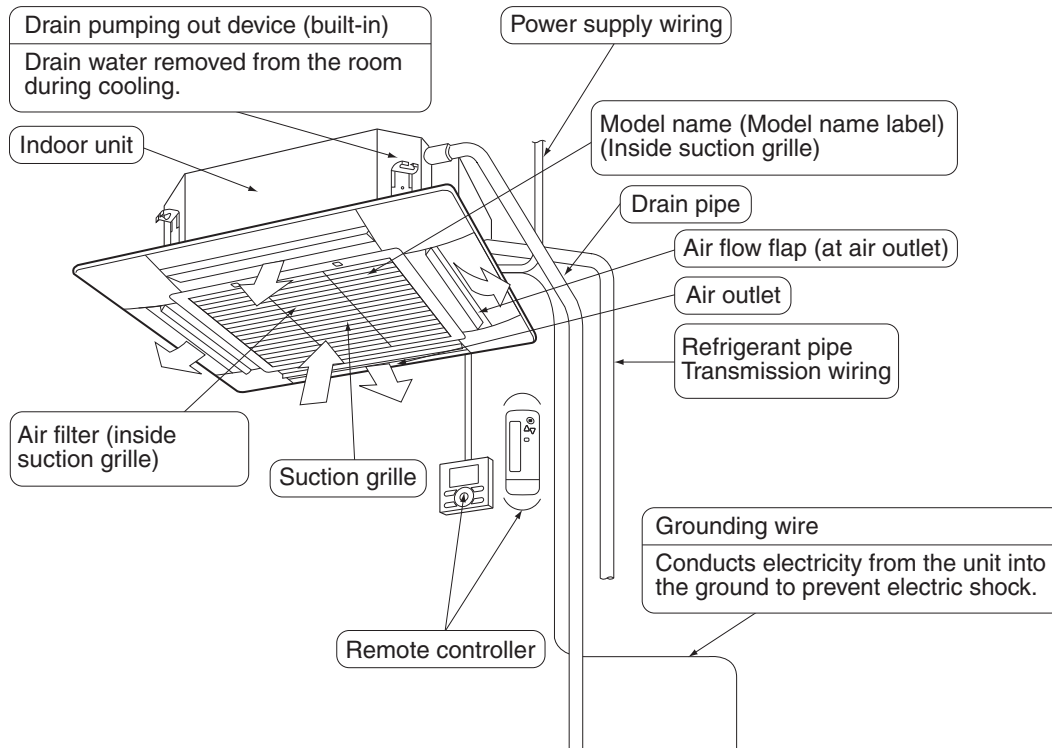
- A short beep and two consecutive beeps indicate non-corresponding codes.
- To cancel the code display, hold **CANCEL** for 5 seconds. The code display also cancel itself if the button is not pressed for 1 minute.

### 1.18 Quick Reference

# Quick Reference



## 2. FFQ Series



Thank you for purchasing this Daikin air conditioner. Carefully read this operation manual before using the air conditioner. It will tell you how to use the unit properly and help you if any trouble occurs. This manual explains about the indoor unit only. Use it along with the operation manual for the outdoor unit. After reading the manual, file it away for future reference.

### SAFETY CONSIDERATIONS

Read these **SAFETY CONSIDERATIONS** carefully before installing air conditioning equipment. After completing the installation, make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this Operation Manual with the Installation Manual for future reference.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

- ⚠ DANGER** . . . . . Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- ⚠ WARNING** . . . . . Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ⚠ CAUTION** . . . . . Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
- ⚠ NOTE** . . . . . Indicates situations that may result in equipment or property-damage accidents only.

---

**⚠ DANGER**


---

- Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.
- Any abnormalities in the operation of the air conditioner such as smoke or fire could result in severe injury or death. Turn off the power and contact your dealer immediately.
- Refrigerant gas may produce toxic gas if it comes in contact with fire, such as from a fan, heater, stove, or cooking device. Exposure to this gas could cause severe injury or death.
- For refrigerant leakage, consult your dealer. Refrigerant gas is heavier than air and replaces oxygen. A massive leak could lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- If equipment utilizing a burner is used in the same room as the air conditioner, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.
- Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries.
- Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.

---

**⚠ WARNING**


---

- Contact your dealer for repair and maintenance. Improper repair and maintenance may result in water leakage, electric shock, and fire. Only use accessories made by Daikin that are specifically designed for use with the equipment and have them installed by a professional.
  - Contact your dealer to move and reinstall the air conditioner. Incomplete installation may result in water leakage, electric shock, and fire.
- Never let the indoor unit or the remote controller get wet. Water can cause an electric shock or a fire.
  - Never use flammable spray such as hair spray, lacquer, or paint near the unit. Flammable spray may cause a fire.
  - When a fuse blows out, never replace it with one of incorrect ampere ratings or different wires. Always replace any blown fuse with a fuse of the same specification.
  - Never remove the fan guard of the unit. A fan rotating at high speed without the fan guard is very dangerous.
  - Never inspect or service the unit by yourself. Contact a qualified service person to perform this work.
  - Turn off all electrical power before doing any maintenance to avoid the risk of serious electric shock; never sprinkle or spill water or liquids on the unit.
  - Do not touch the switch with wet fingers. Touching a switch with wet fingers can cause electric shock.
  - Do not allow children to play on or around the unit to prevent injury.
  - The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins while working around them.
  - Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and will cause injury.
  - Check the unit foundation for damage on a continuous basis, especially if it has been in use for a long time. If left in a damaged condition the unit may fall and cause injury.
  - Placing a flower vase or other containers with water or other liquids on the unit could cause a shock or fire if a spill occurs.
  - Do not touch the air outlet or horizontal blades while the swing flap is in operation because fingers could get caught and injured.
  - Never touch the internal parts of the controller. Do not remove the front panel because some parts inside are dangerous to touch. To check and adjust internal parts, contact your dealer.

- Be sure to establish a ground. Do not ground the unit to a utility pipe, arrester, or telephone ground. Incomplete grounding may cause electrical shock, or fire. A high surge current from lightning or other sources may cause damage to the air conditioner.
- Be sure to install a ground fault circuit interrupter. Failure to install a ground fault circuit interrupter may result in electric shocks, or fire.

---

— **⚠ CAUTION** —

- Do not use the air conditioner for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- Do not place items under the indoor unit as they may be damaged by condensates that may form if the humidity is above 80% or if the drain outlet gets blocked.
- Before cleaning, stop the operation of the unit by turning the power off or by pulling the supply cord out from its receptacle. Otherwise, an electric shock and injury may result.
- Do not wash the air conditioner with excessive water. An electric shock or fire may result.
- Avoid placing the controller in a spot splashed with water. Water entering the controller may cause an electric shock or damage the internal electronic parts.
- Do not operate the air conditioner when using a room fumigation type of insecticide. Failure to observe this could cause the chemicals to be deposited in the unit and can endanger the health of those who are hypersensitive to chemicals.
- Do not turn off the power immediately after stopping operation. Always wait for at least five minutes before turning off the power. Otherwise, water leakage may occur.
- The appliance is not intended for use by young children or infirm persons without supervision.
- The remote controller should be kept away from children so they cannot play with it.

- Consult with the installation contractor for cleaning.
- Incorrect cleaning of the inside of the air conditioner could make the plastics parts break and cause water leakage or electric shock.
- Do not touch the air inlet or aluminum fin of the air conditioner as they can cut and cause injury.
- Do not place objects in direct proximity of the outside unit. Do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, animals can cause the unit to malfunction, and cause smoke or fire when they make contact with electrical parts.

---

— **⚠ NOTE** —

- Never press the button of the remote controller with a hard, pointed object. The remote controller may be damaged.
- Never pull or twist the electric wire of the remote controller. It may cause the unit to malfunction.
- Do not place appliances that produce open flames in places that are exposed to the airflow of the unit or under the indoor unit. It may cause incomplete combustion or deformation of the unit due to the heat.
- Do not expose the controller to direct sunlight. The LCD display can become discolored and may fail to display the data.
- Do not wipe the controller operation panel with benzene, thinner, chemical dust cloth, etc. The panel may get discolored or the coating can peel off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it with another dry cloth.
- Dismantling of the unit, disposal of the refrigerant, oil, and additional parts, should be done in accordance with the relevant local, state and national regulations.
- Operate the air conditioner in a sufficiently ventilated area and not surrounded by obstacles. Do not use the air conditioner in the following places:

- a. Places with a mist of mineral oil, such as cutting oil.
- b. Locations such as coastal areas where there is a lot of salt in the air.
- c. Locations such as hot springs where there is a lot of sulfur in the air.
- d. Locations such as factories where the power voltage varies a lot.
- e. In cars, boats, and other vehicles.
- f. Locations such as kitchens where oil may splatter or where there is steam in the air.
- g. Locations where equipment produces electromagnetic waves.
- h. Places with an acid or alkaline mist.
- i. Places where fallen leaves can accumulate or where weeds can grow.
- Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with your dealer for electrical work and grounding work.
- Pay Attention to Operating Sound. Be sure to use the following places:
  - a. Places that can sufficiently withstand the weight of the air conditioner yet can suppress the operating sound and vibration of the air conditioner.
  - b. Places where warm air from the air outlet of the outside unit or the operating sound of the outside unit does not annoy neighbors.
- Make sure that there are no obstacles close to the outside unit. Obstacles close to the outside unit may drop the performance of the outside unit or increase the operating sound of the outside unit.
- Consult your dealer if the air conditioner in operation generates unusual noise.
- Make sure that the drainpipe is installed properly to drain water. If no water is discharged from the drainpipe while the air conditioner is in the cooling mode, the drainpipe may be clogged with dust or dirt and water leakage from the indoor unit may occur. Stop operating the air conditioner and contact your dealer.

## MAINTENANCE (FOR SERVICE PERSONNEL)

### ⚠ WARNING

- Only a qualified person is allowed to perform maintenance without daily maintenance.
- Before touching any of connection wirings, be sure to turn off all power supply switches.
- Do not use flammable materials (e.g., hairspray or insecticide) near the product.
- Do not clean the product with organic solvents such as paint thinner.

The use of organic solvents may cause crack damage to the product, electric shocks, or fire.

- Contact professional personnel about attachment of accessories and be sure to use only accessories specified by the manufacturer.

If a defect results from your own workmanship, it may result in water leaks, electric shock or fire.

### ⚠ CAUTION

- Before cleaning, be sure to stop unit operation, turn the breaker off or remove the power cord.
- Do not wash the air conditioner with water, as this may result in electric shocks or fire.
- Consult your dealer regarding cleaning the inside of the air conditioner.


Improper cleaning may cause breakage of plastic parts, water leakage and other damage as well as electric shocks.

- Watch your steps at the time of air filter cleaning or inspection.

High-place work is required, to which utmost attention must be paid.

If the scaffold is unstable, you may fall or topple down, thus causing injury.

## HOW TO CLEAN THE AIR FILTER

Clean the air filter when the display shows “” (TIME TO CLEAN AIR FILTER).

It will display that it will operate for a set amount of time.

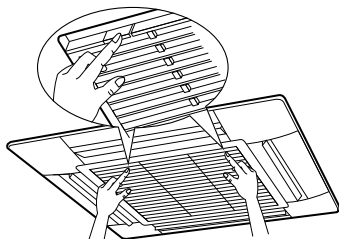
Increase the frequency of cleaning if the unit is installed in a room where the air is extremely contaminated.

If the dirt becomes too difficult to clean, change the air filter. (An optional extra air filter is available.)

### 1. Open the suction grille.

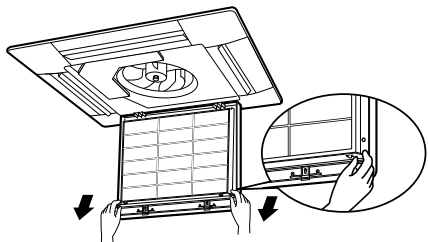
Push it downward slowly while pressing the buttons provided on two spots.

(Follow the same procedure for closing.)



### 2. Detach the air filter.

Pull the hook of the air filter out diagonally downward, and remove the filter.



### 3. Clean the air filter.

Use vacuum cleaner **A)** or wash the air filter with water **B)**.

**A) Using a vacuum cleaner**



**B) Washing with water**

When the air filter is very dirty, use soft brush and neutral detergent.



Remove water and dry in the shade.

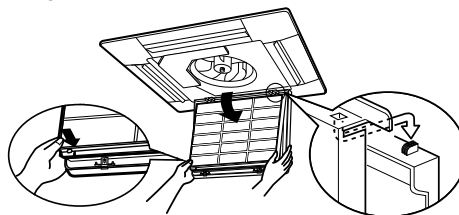
## NOTE

- Do not wash the air filter with hot water of more than 122°F. Doing so may result in discoloration and/or deformation.
- Do not expose it to fire, as doing so may result in burning.

### 4. Fix the air filter.

(1) Hook the air filter to a protrusion on the suction grille.


(2) Push the lower part of the air filter onto the protrusion at the lower part of the suction grille, and fix the air filter there.



### 5. Shut the suction grille.

Refer to item No.1.

### 6. After turning on the power, press FILTER SIGN RESET button.

“” (TIME TO CLEAN AIR FILTER) is no longer displayed.

## HOW TO CLEAN AIR OUTLET AND OUTSIDE PANELS

- Clean with soft cloth.
- When it is difficult to remove stains, use water or neutral detergent.
- When the flap is extremely contaminated, remove it as below and clean or exchange it. (Flap for exchange is optional.)

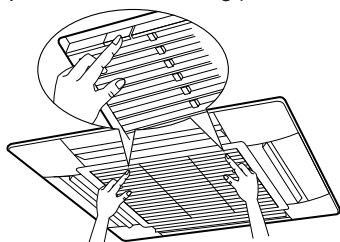
## NOTE

- Do not use gasoline, benzene, thinner, polishing powder or liquid insecticide. It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.
- Do not scrub firmly when washing the blade with water. The surface sealing may peel off.
- Do not use water or air of 122°F or higher for cleaning air filters and outside panels.

## HOW TO CLEAN THE SUCTION GRILLE

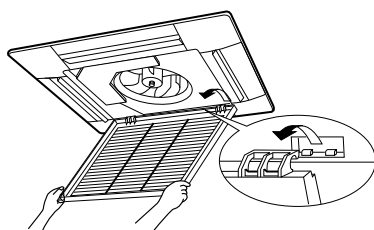
### 1. Open the suction grille.

Push it downward slowly while pressing the buttons provided on two spots. (Follow the same procedure for closing.)



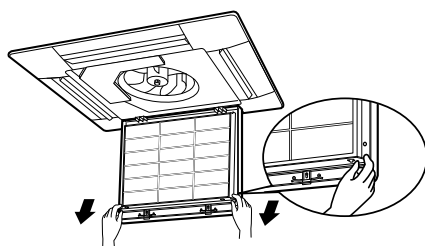
### 2. Detach the suction grille.

Open the suction grille 45 degrees and lift it upward.



### 3. Detach the air filter.

Refer to "HOW TO CLEAN THE AIR FILTER-item No.2".



### 4. Clean the suction grille.

Wash with a soft bristle brush and neutral detergent or water, and dry thoroughly.



#### • When very grimy

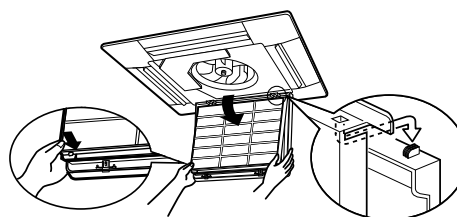
Directly apply the type of detergent used for cleaning ventilation fans or ovens, wait 10 minutes, and then rinse with water.

### NOTE

- Do not wash the air conditioner with hot water of more than 122°F. Doing so may result in discoloration or deformation.

### 5. Fix the air filter.

Refer to "HOW TO CLEAN THE AIR FILTER-item No.4".



### 6. Fix the suction grille.

Refer to item No. 2.

### 7. Shut the suction grille.

Refer to item No. 1.



## 2.1 With <BRC1E72> Wired Remote Controller




# Safety Considerations

Read these **SAFETY CONSIDERATIONS** carefully before operating the remote controller.

Train the customer to operate and maintain the remote controller.






Inform customers that they should store this Operations Manual with the Installation Manual for future reference.

Meanings of **WARNING** and **CAUTION** Symbols:







|                                                                                                  |                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>WARNING</b> | Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.                                                       |
|  <b>CAUTION</b> | Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. |
|  <b>NOTE</b>    | Indicates situations that may result in equipment or property-damage accidents only.                                                                              |





- The following pictograms are used in this manual.

|                                                                                   |                               |                                                                                   |                                       |
|-----------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------|---------------------------------------|
|  | Never do.                     |  | Always follow the instructions given. |
|  | Keep water and moisture away. |  | Keep wet hands away.                  |

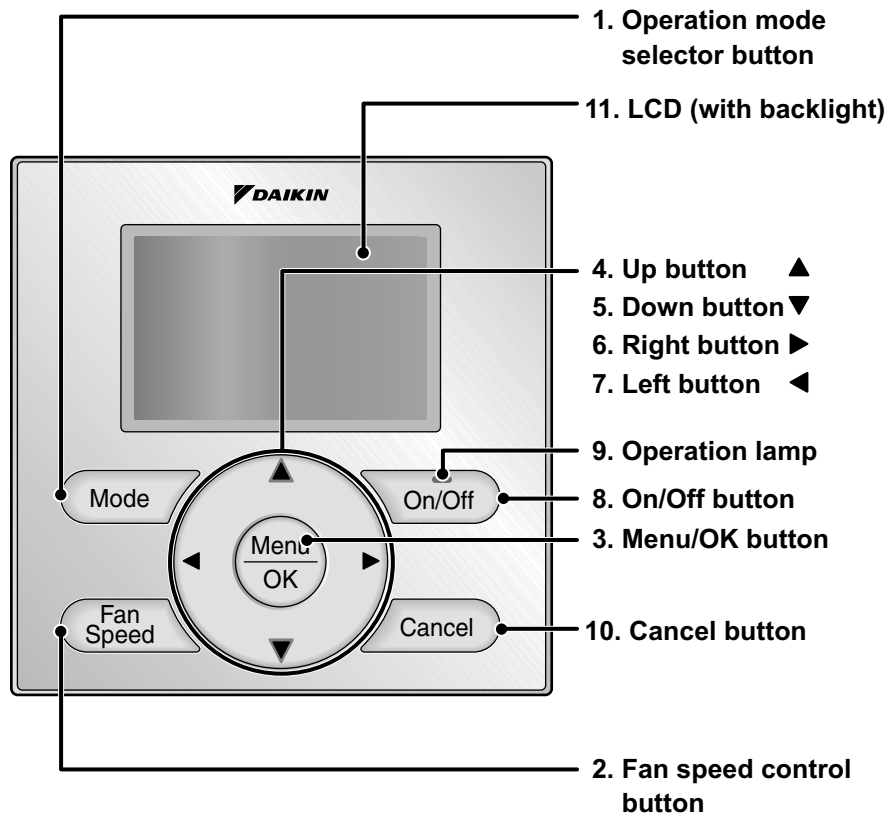
|  <b>WARNING</b> |                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>• <b>Do not modify or repair the remote controller.</b><br/>Consult your Daikin dealer for any modification or for repairs.</li> </ul>                                                                                                                                                                |
|                 | <ul style="list-style-type: none"> <li>• <b>Do not relocate or reinstall the remote controller by yourself.</b><br/>Improper installation may result in electric shocks or fire.<br/>Consult your Daikin dealer to relocate or for any reinstallation.</li> </ul>                                                                            |
|                 | <ul style="list-style-type: none"> <li>• <b>Do not use flammable materials (e.g., hairspray or insecticide) near the remote controller.</b><br/>Do not clean the product with organic solvents such as paint thinner.<br/>The use of organic solvents may cause cracking, damaging the product, causing electric shocks, or fire.</li> </ul> |
|                 | <ul style="list-style-type: none"> <li>• <b>Consult the dealer if the remote controller was submerged under water due to a natural disaster, such as a flood or hurricane.</b><br/><b>Do not operate the remote controller at this time or a malfunction, electric shock, or fire can occur.</b></li> </ul>                                  |

—Items to be Strictly Observed—

|  <b>CAUTION</b> |                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>• <b>Do not allow children to play with the remote controller to avoid causing damage to the product.</b></li> </ul>                                                                                         |
|                 | <ul style="list-style-type: none"> <li>• <b>Never disassemble the remote controller.</b><br/>Touching the interior parts may result in electric shocks or fire.<br/>Consult your Daikin dealer for internal inspections and adjustments.</li> </ul> |
|                 | <ul style="list-style-type: none"> <li>• <b>Do not touch the remote controller buttons with wet fingers.</b><br/>Touching the buttons with wet fingers can cause an electric shock.</li> </ul>                                                      |
|                 | <ul style="list-style-type: none"> <li>• <b>Do not wash the remote controller.</b><br/>Doing so may cause electric leakage and result in electric shocks or fire.</li> </ul>                                                                        |
|                 | <ul style="list-style-type: none"> <li>• <b>Never let the remote controller to get wet.</b><br/>Water can cause damage to the remote controller, and may cause an electric shock or fire.</li> </ul>                                                |

|  <b>NOTE</b> |                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <ul style="list-style-type: none"> <li>• <b>Never press the button of the remote controller with a hard, pointed object.</b><br/>The remote controller may be damaged.</li> </ul>                                                                                                                                                                                                       |
|            | <ul style="list-style-type: none"> <li>• <b>Never pull or twist the electric wire of the remote controller.</b><br/>It may cause the unit to malfunction.</li> </ul>                                                                                                                                                                                                                    |
|            | <ul style="list-style-type: none"> <li>• <b>Do not wipe the remote controller with benzine, thinner, chemical dustcloth, etc.</b><br/>The remote controller may get discolored or the coating peeled off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the remote controller clean. And wipe it with another dry cloth.</li> </ul> |

## Button Locations and Descriptions



Functions other than basic operation items (i.e., On/Off, Operation Mode, Fan Speed, and Setpoint) are set from the menu screen.

### NOTE

- Do not install the remote controller in places exposed to direct sunlight, the LCD will be damaged.
- Do not pull or twist the remote controller cord, the remote controller may be damaged.
- Do not use objects with sharp ends to press the buttons on the remote controller damage may result.

### 1. Operation mode selector button

- Press this button to select the operation mode of your preference. (See page 10.)  
\* Available modes vary with the indoor unit model.

### 2. Fan speed control button

- Press this button to select the fan speed of your preference. (See page 11.)  
\* Available fan speeds vary with the indoor unit model.

### 3. Menu/OK button

- Used to indicate the main menu. (See page 20 for the menu items.)
- Used to enter the selected item.

### 4. Up button ▲

- Used to raise the setpoint.
- The item above the current selection will be highlighted. (The highlighted items will be scrolled continuously when the button is continuously pressed.)
- Used to change the selected item.

### 5. Down button ▼

- Used to lower the setpoint.
- The item below the current selection will be highlighted. (The highlighted items will be scrolled continuously when the button is continuously pressed.)
- Used to change the selected item.

### 6. Right button ►

- Used to highlight the next items on the right-hand side.
- Each screen is scrolled in the right-hand direction.

### 7. Left button ◀

- Used to highlight the next items on the left-hand side.
- Each screen is scrolled in the left-hand direction.

### 8. On/Off button

- Press this button and system will start.
- Press this button again to stop the system.

### 9. Operation lamp (Green)

- This lamp illuminates solid during normal operation.
- This lamp blinks if a error occurs.

### 10. Cancel button

- Used to return to the previous screen.

### 11. LCD (with backlight)

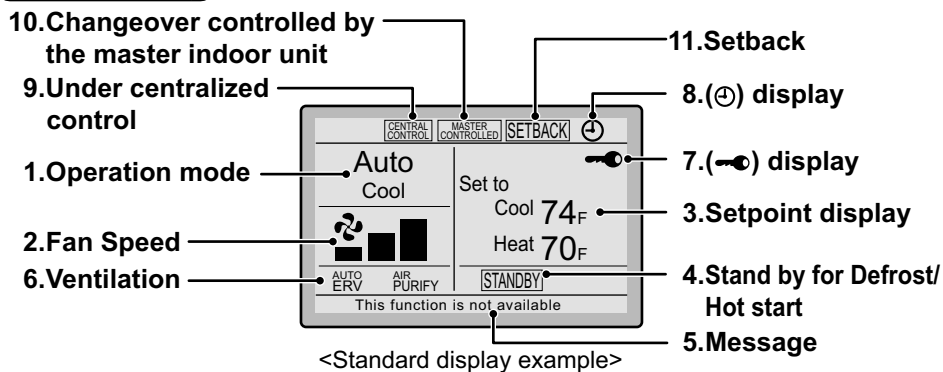
- The backlight will be illuminated for approximately 30 seconds by pressing any button.
- If two remote controllers are used to control a single indoor unit, only the controller to be accessed first will have backlight functionality.

# Names and Functions

## Liquid Crystal Display

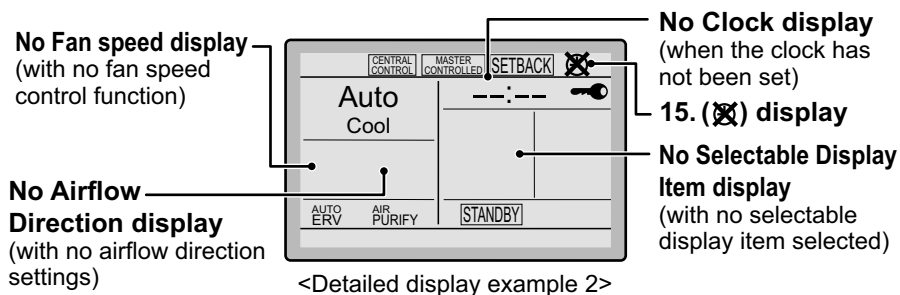
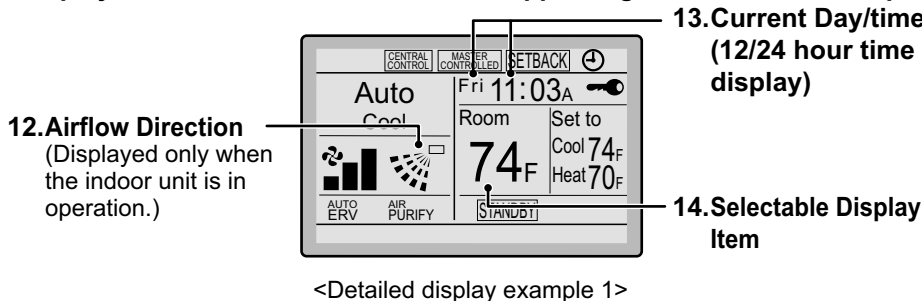
- Three types of liquid crystal display (LCD) are available. The standard display is set by default.
- Detailed and Simple displays can be selected in the main menu. (See page 37.)
- The displayed contents of the screen vary with the operation mode of the indoor unit model. (The following display will appear when the indoor unit is in Auto mode.)

### Standard display

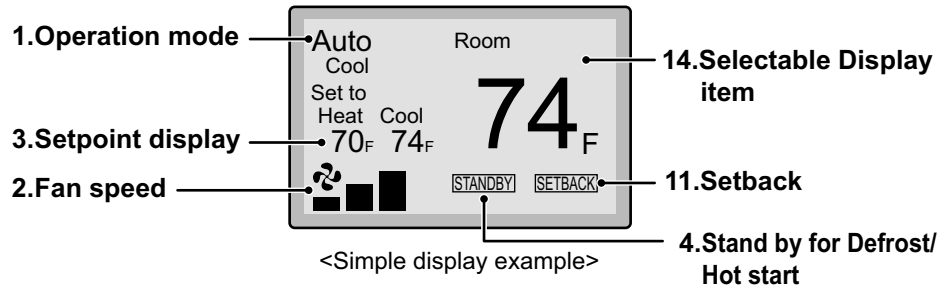


### Detailed Display

- The airflow direction, clock, and selectable item appear on the detailed display screen in addition to the items appearing on the standard display.



**Simple Display**



**Common precautions for all display modes**

- Depending on the field settings, while the indoor unit is stopped, OFF may be displayed instead of the operation mode and/or the setpoint may not be displayed.

# Names and Functions

## 1. Operation mode

- Used to display the current operation mode: Cool, Heat, Vent, Fan, Dry or Auto.
- In Auto mode, the actual operation mode (Cool or Heat) will be also displayed.
- Operation mode cannot be changed when OFF is displayed.  
Operation mode can be changed after starting operation.


## 2. Fan Speed

- Used to display the fan speed that is set for the indoor unit.
- The fan speed will not be displayed if the connected model does not have fan speed control functionality.

## 3. Setpoint display

- Used to display the setpoint for the indoor unit.
- Use the Celsius/Fahrenheit item in the main menu to select the temperature unit (Celsius or Fahrenheit).

## 4. Stand by for Defrost/Hot start

“” (See page 12.)

**If ventilation icon is displayed in this field:**

- Indicates that an energy recovery ventilator is connected.  
For details, refer to the Operation Manual of the ERV.

## 5. Message

The following messages may be displayed.

“**This function is not available**”

- Displayed for a few seconds when an **Operation** button is pressed and the indoor unit does not provide the corresponding function.
- In a remote control group, the message will not appear if at least one of the indoor units provides the corresponding function.

“**Error: Push Menu button**”

“**Warning: Push Menu button**”

- Displayed if an error or warning is detected (see page 47).



“**Time to clean filter**”

“**Time to clean element**”

“**Time to clean filter & element**”

- Displayed as a reminder when it is time to clean the filter or element (see page 45).

## 6. Ventilation

- Displayed when a energy recovery ventilator is connected.
- **Ventilation Mode icon.** “ ERV BYPASS ”  
These icons indicate the current ventilation mode (ERV only) (AUTO, ERV, BYPASS).
- **Air Purify ICON** “ ”  
This icon indicates that the air purifying unit (option) in operation.

## 7. display (See page 18.)

- Displayed when the key lock is set.

## 8. display (See page 28.)

- Displayed if the Schedule or Off timer is enabled.

## 9. Under Centralized control “”

- Displayed if the system is under the management of a multi-zone controller (option) and the operation of the system through the remote controller is limited.

## 10. Changeover controlled by the master indoor unit “”

(VRV only)

- Displayed when another indoor unit on the system has the authority to change the operation mode between cool and heat.

### 11. Setback “” (See page 14.)

---

- The setback icon flashes when the unit is turned on under the setback control.

### 12. Airflow Direction “”

---

- Displayed when the airflow direction and swing are set (see page 23).
- If the connected indoor unit model does not include oscillating louvers this item will not be displayed.

### 13. Current Day/Time (12/24 hour time display)

---

- Displayed if the clock is set (see page 39).
- If the clock is not set, “-- : --” will be displayed.
- 12 hour time format is displayed by default.
- Select 12/24 hour time display option in the main menu under “Clock & Calendar”.

### 14. Selectable Display Item

---

- Displayed if the selectable display item is selected (see page 38).
- Room temperature is selected by default.

### 15. display

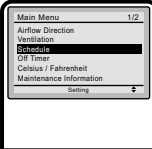

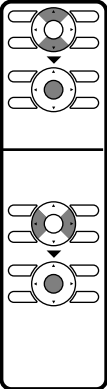
---

- Displayed when the clock needs to be set.
- The schedule function will not work unless the clock is set.



# Basic Operation

## Cool/Heat/Auto/Fan Operation (SkyAir and VRV)

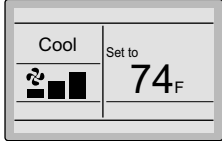
| How to follow the operation manual                                                                                                                                                                                                                                                                                                 | Operation procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Operation button display                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Operation screen display</b></p> <p>Describes screens that will be displayed on the remote controller in operation.</p> <p><b>1</b></p>  <p><b>2</b></p>  | <p>Explains the sequence of operation for the remote controller. Operate the buttons according to the procedure.</p> <ul style="list-style-type: none"> <li>• Display the main menu screen. (See page 22.)</li> <li>• Press <b>▼▲</b> buttons to select <b>Schedule</b> the main menu screen. Press <b>Menu/OK</b> button to display the timer screen.</li> <li>• Before setting the schedule, the clock must be set.</li> <li>• If the clock has not been set, a screen like the one on the left will appear. Press <b>▶◀</b> buttons to select <b>Yes</b> and press <b>Menu/OK</b> button.</li> <li>• The date &amp; time screen will appear.</li> <li>• Set the current year, month, day, and time. (See clock settings on page 39.)</li> </ul> | <p>Displays the location of buttons to be operated.</p>  |

### Preparation


- For mechanical protection purposes, apply power to the outdoor units at least six hours before starting the operation of the system.

### Operation

**1**



- Press the **Mode** button several times until the desired mode Cool, Heat, Fan, or Auto mode is selected.



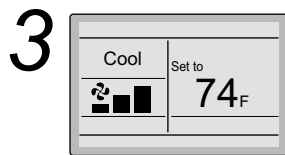
\* Unavailable operation modes are not displayed.

**Note**

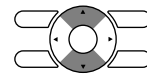
- Before changing the mode, confirm that the display does not indicate master controlled status. Both heat and cool mode may not be selected if the unit is master controlled. See page 16 if MASTER CONTROLLED icon blinks.



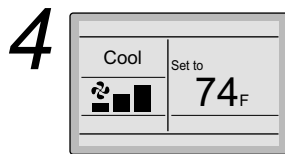
- Press **On/Off** button. The Operation lamp (green) will illuminate and the system will start operating.



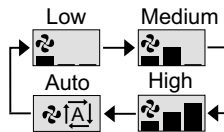
- The setpoint will increase by 1°F (or 1°C) when ▲ button is pressed and decrease by 1°F (or 1°C) when ▼ button is pressed.



\* Setpoint is not available in fan or dry mode.



- To change the fan speed, press the **Fan speed control** button and select the desired fan speed from Low, Medium, High, or Auto.



- \* Depending on the type of indoor unit, the adjustment levels may be two levels of "Low" and "High" or three levels of "Low", "Medium", and "High".
- \* The system may be in automatic fan speed control for equipment protection purposes.
- \* The system may be in automatic fan speed control according to the room temperature. It is normal for the fan to intermittently stop operating.
- \* It is normal for a delay to occur when changing the fan speed.
- \* In auto mode setting, the fan speed setting is adjusted automatically according to setpoint and indoor temperature. In Fan mode, the fan speed setting is always at High.



- Adjust Airflow Direction from the main menu (see page 23).

\* If the connected indoor unit model does not include oscillating louvers this function will not be available.

## Basic Operation

### 6



- When the **On/Off** button is pressed again, the system will stop operating and the operation lamp will turn off.



\* When the system is stopped while in the heating mode, the fan will continue to operate for approximately one minute to remove residual heat from the indoor unit.

#### Note

- To prevent water damage or system failure, do not immediately remove power from the indoor unit following system operation. Wait at least five minutes for the condensate pump to finish draining residual water from the unit.

## Characteristics of Heat Mode

The system automatically controls the following operating modes to prevent the reduction of heating capacity and space comfort.

### Defrost operation

- The system will automatically go into defrost operation to prevent frost accumulation at the outdoor unit and loss of heating capacity.
- The indoor unit fan will stop, and “**STANDBY**” (Defrost/Hot start) will be displayed on the remote controller.
- The system will return to normal operation usually within six to eight minutes (but not more than 10 minutes).

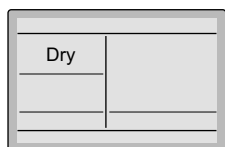
### Hot start

- When the system goes into heat mode, the indoor unit fan will stop in order to prevent a cold draft.  
(In that case, “**STANDBY**” (Defrost/Hot start) will be displayed on the remote controller.)

## Dry Mode

### Preparation

- For equipment protection purposes, apply power to the outdoor units at least six hours before starting the operation of the system.
- The dry mode may not be selected if the remote controller is master controlled and the system is not already in the cooling mode of operation. (see page 17 for details)

**Operation****1**

- Press **Mode** button several times until the Dry mode is selected.



\* The dry mode may not be available depending on the type of indoor unit.

**2**

- Press **On/Off** button. The Operation lamp (green) will illuminate and the system will start operating.



\* In Dry mode, the system maintains automatic temperature and fan speed control. Therefore, temperature setpoint or fan speed settings are not available while the indoor unit is in the Dry mode.

**3**

- Adjust Airflow Direction from the main menu (see page 23).

\* If the connected indoor unit model does not include oscillating louvers this function will not be available.

**4**

- When the **On/Off** button is pressed again, the system will stop operating and the operation lamp will turn off.

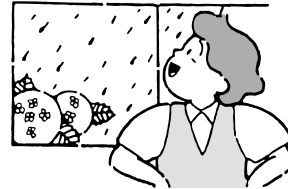
**Note**

- To prevent water damage or system failure, do not immediately remove power from the indoor unit following system operation. Wait at least five minutes for the condensate pump to finish draining residual water from the unit.

# Basic Operation

## Characteristic of Dry mode

The Dry mode dehumidifies the space at reduced cooling capacity to prevent the room temperature from dropping to uncomfortable levels.



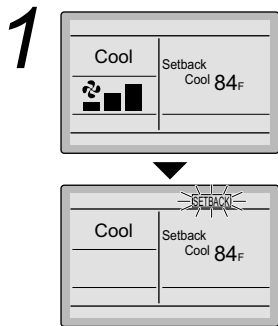
## Setback

The Setback feature will maintain the space temperature in a specific range during unoccupied periods.

**Note**

- This function will temporarily start an indoor unit that was previously turned off by the user or turned off from a schedule event / off timer.
- This function must be enabled by the system installer.

## Operation



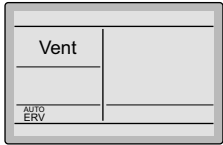
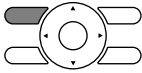
- The setback icon flashes when the unit is turned on under the setback control.

**Ventilation Mode** When the Indoor Unit is Interlocked with Energy Recovery Ventilator

**Preparation**


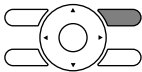
- For equipment protection purposes, apply power to the outdoor units at least six hours before starting the operation of the system.



**Operation**

**1**  • When operating the energy recovery ventilator (ERV) between seasons without the air conditioner, set the control to ventilation mode. 

**2** • Changes to the ventilation mode are made from the main menu.  
\* Ventilation Mode: Auto, ERV, and Bypass

**3** • Changes to the ventilation rate are made from the main menu.  
\* Ventilation Rate: Low or High

**4**  • Press **On/Off** button. The Operation lamp (green) will illuminate and the system will start operating. 

**5**  • When the **On/Off** button is pressed again, the system will stop operating and the operation lamp will turn off. 

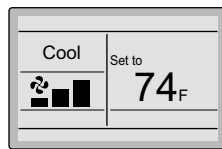
# Basic Operation

## Setting the Cool / Heat Changeover Master

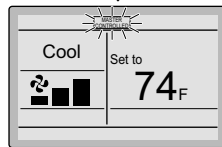
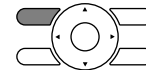
(VRV only)


**Setting Changes** See page 18 for an explanation of the cool/heat changeover master indoor unit.


1




- Press the **Mode** button on the remote controller of the changeover master indoor unit for at least four seconds while the backlight is illuminated.



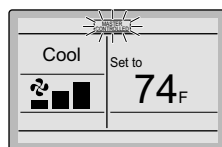
- The “” icon on each remote controller for the indoor units connected to the same outdoor unit or Branch Selector unit will start flashing.

- \* Vent mode setting changes are possible regardless of the cool/heat changeover master indoor unit.
- \* If cool/heat mode is configured for control from the outdoor unit, all remote controllers serving the associated indoor units will display its “” icon.

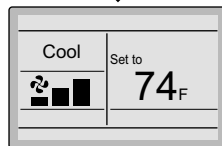
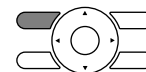
- Set the cool/heat changeover master indoor unit as outlined below.



**Selection Settings** The icon “” will flash on all remote controllers when the power is turned ON for the first time.

2

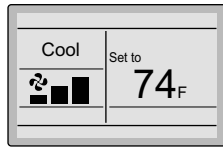



- Press the **Mode** button on the remote controller of the indoor unit which is to serve as the cool/heat changeover master.

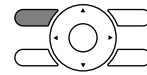


- The remote controller for the changeover master indoor unit is established and the  icon is no longer displayed. Other remote controllers in the system (indoor units served by the same outdoor unit or indoor units served by the same branch selector unit) will now display the  icon.

3



- Press the **Mode** button on the remote controller of the indoor unit designated as the cool/heat changeover master (the remote controller not displaying the  icon) repeatedly until the desired mode is selected. The display will change to **Fan, Dry, Auto, Cool, Heat** each time the button is pressed.
- Simultaneously, the other indoor units on the system will follow suit and change modes to reflect the new mode selected at the changeover master remote controller.



3

### Cool / Heat Mode Selection Availability

- “Cool”, “Heat”, and “Auto” are all only available for selection on the cool/heat changeover master indoor unit. The following table indicates the available operating modes of the other indoor units on the system based upon the selected mode of the master indoor unit.

| When the master indoor unit is set to | The other indoor units in the system can be set to |     |      |     |
|---------------------------------------|----------------------------------------------------|-----|------|-----|
|                                       | Cool                                               | Dry | Heat | Fan |
| Cool mode                             | ✓                                                  | ✓   |      | ✓   |
| Dry mode                              | ✓                                                  | ✓   |      | ✓   |
| Heat mode                             |                                                    |     | ✓    | ✓   |
| Fan mode                              |                                                    |     |      | ✓   |
| Auto mode (Cooling operation)         | ✓                                                  | ✓   |      | ✓   |
| Auto mode (Heating operation)         |                                                    |     | ✓    | ✓   |

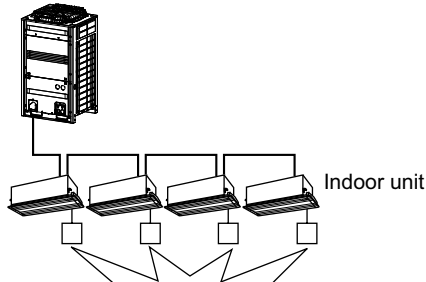


# Basic Operation

## Precautions for Selecting the Cool / Heat Changeover Master Indoor Unit

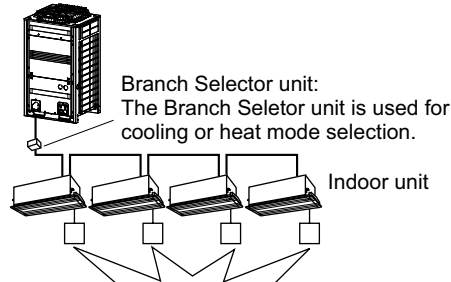
- The cool/heat changeover master must be set for a single indoor unit in the following applications

### (2-Pipe Heat Pump System)



**A number of indoor units are connected to a single outdoor unit.**  
Set any one of the indoor units as the cool/heat changeover master.

### (3-Pipe Heat Recovery System)

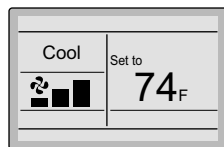


**A number of indoor units are connected to a single Branch Selector unit.**  
Set any one of the indoor units as the cool/heat changeover master.

## Key Lock

**Operation** Confirm and cancel Key Lock settings in the basic display screen.

1

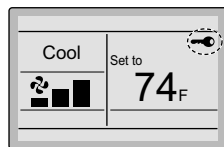



Basic screen

- Press the **Menu/OK** button for at least four seconds while the backlight is illuminated.



2



- "" is displayed.
- All buttons are disabled when the keys are locked.
- To cancel the key lock mode, continue pressing **Menu/OK** button for at least four seconds while the backlight is illuminated.

## Quick Reference

### ■ The main menu has the following items.

| Menu item                                                                             |                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Reference page |
|---------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Airflow Direction</b>                                                              |                         | <p><b>Used to configure airflow direction settings.</b></p> <ul style="list-style-type: none"> <li>The airflow direction louver is automatically operated up and down (left and right).</li> <li>The fixed airflow directions are configurable for five positions.</li> </ul> <p>* This function is not available on all models.</p>                                                                                                                                                                                                                                                                                                                                | 23             |
| <b>Ventilation</b><br>(Ventilation operation settings for energy recovery ventilator) | <b>Ventilation Rate</b> | Used to set "Low" or "High"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 26             |
|                                                                                       | <b>Ventilation Mode</b> | Used to set Auto, ERV, or Bypass.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 27             |
| <b>Schedule</b>                                                                       | <b>Daily Patterns</b>   | <ul style="list-style-type: none"> <li>Day settings are selected from four patterns, i.e., "7Days", "Weekday/Weekend", "Weekday/Sat/Sun", and "Everyday".</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 29             |
|                                                                                       | <b>Settings</b>         | <ul style="list-style-type: none"> <li>Set the startup time and operation stop time.               <ul style="list-style-type: none"> <li>ON: Startup time, cooling and heating temperature setpoints can be configured.</li> <li>OFF: Operation stop time, cooling and heating setback temperature setpoints can be configured. ( --: Indicates that the setback function is disabled for this time period. )</li> <li>___: Indicates that the temperature setpoint and setback temperature setpoint for this time period is not specified. The last active setpoint will be utilized.</li> </ul> </li> <li>Up to five actions can be set for each day.</li> </ul> | 30             |
| <b>Off Timer</b>                                                                      |                         | <p><b>Used to set each operation period of the system.</b></p> <ul style="list-style-type: none"> <li>Possible to set in 10 minute increments from 30 to 180 minutes.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 33             |
| <b>Celsius / Fahrenheit</b>                                                           |                         | <ul style="list-style-type: none"> <li>Used to select whether temperature values will be displayed in Celsius or Fahrenheit.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | —              |
| <b>Maintenance Information</b>                                                        |                         | Used to display the maintenance information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 35             |

| Menu item            |                     | Description                                                                                                                                                                                                                                                                                                                                                                                     | Reference page |
|----------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Configuration        | Contrast Adjustment | Used to make LCD contrast adjustment.                                                                                                                                                                                                                                                                                                                                                           | 36             |
|                      | Display             | <b>Used to set standard, detailed or Simple display mode.</b> <ul style="list-style-type: none"> <li>Display mode<br/>Standard, Detailed, or Simple display</li> <li>Detailed and Simple displays provide the selectable display item between Room Temp, Outside Air Temp, System, or None.</li> </ul>                                                                                          | 37             |
| Current Settings     |                     | <ul style="list-style-type: none"> <li>Used to display a list of current settings for available items.</li> </ul>                                                                                                                                                                                                                                                                               | 39             |
| Clock & Calendar     | Date & time         | <b>Used to configure date and time settings and corrections.</b> <ul style="list-style-type: none"> <li>The default time display is 12H.</li> <li>The clock will maintain accuracy to within <math>\pm 30</math> seconds per month.</li> <li>If there is a power failure for a period not exceeding 48 hours, the clock will continue working with the built-in backup power supply.</li> </ul> | 39             |
|                      | 12H/24H Clock       | The time can be displayed in either a 12 hour or 24 hour time format.                                                                                                                                                                                                                                                                                                                           | 42             |
| Daylight Saving Time |                     | Used to adjust the clock in observance of daylight saving time.                                                                                                                                                                                                                                                                                                                                 | 42             |
| Language             |                     | The display language can be selected between English, Francais, or Espanol.                                                                                                                                                                                                                                                                                                                     | 45             |

Note: Available setting items vary with the indoor unit model.

|                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Sub Remote Controller Menu Items</b></p> <p>If two remote controllers are in control of a single indoor unit, the following menu items are not set in the sub remote controller. In this case, the following items should be configured in the main remote controller.</p> <ul style="list-style-type: none"> <li>Schedule</li> <li>Off timer</li> <li>Setback</li> </ul> | <p>The diagram illustrates a system configuration where an outdoor unit is connected to an indoor unit. The indoor unit is further connected to two separate remote controllers, indicating a dual-remote control setup.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

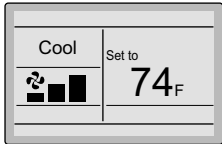
# Menu Options

## Moving Within the Main Menu Screen

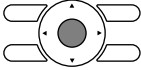
### ■ Display Method for Main Menu

#### Operation

**1**

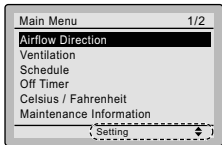


- Press **Menu/OK** button.



Basic screen

**2**



- The main menu screen is displayed.

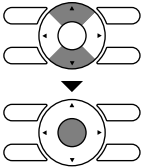
Main menu screen

← Instructions for moving within the main menu will appear.

**3**


- Selecting items from the main menu.

1. Press ▼▲ buttons to select the desired item to be set.
2. Press **Menu/OK** button to display the details for the selected item.



**4**

- To go back to the basic screen from the main menu, press the **Cancel** button.



#### Note

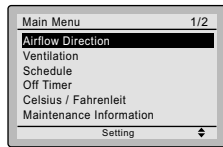
- If a button is not pressed for 5 minutes during configuration, the controller will automatically revert to the basic screen.

# Airflow Direction

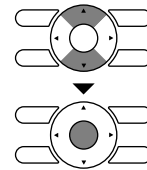
## ■ Configuring Airflow Direction

### Operation

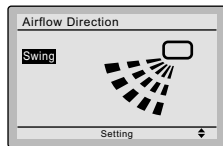
1



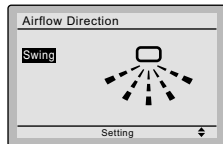
- Display the main menu screen. (See page 22.)
- Press ▼▲ buttons to select **Airflow Direction** on the main menu screen and press the **Menu/OK** button. (For models with no airflow direction adjustment, **Airflow Direction** will not be displayed on the main menu screen.)



2



Airflow Direction (up/down)



Airflow Direction (left/right)

- The airflow direction screen will appear.

**Note**

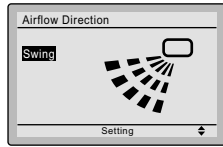
- Airflow direction appears on the screen as below.

|  |  |                |
|--|--|----------------|
|  |  | 0 : Position 0 |
|  |  | 1 : Position 1 |
|  |  | 2 : Position 2 |
|  |  | 3 : Position 3 |
|  |  | 4 : Position 4 |

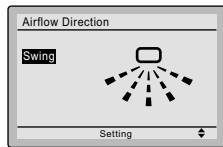
Up/down direction      Left/right direction

# Menu Options

3

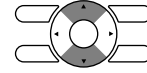


Up/down direction



Left/right direction

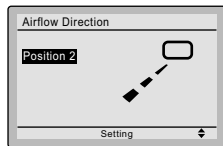
- Pressing ▼▲ buttons changes the setting to (in order) **Swing**, **Position 0**, **Position 1**, **Position 2**, **Position 3**, and **Position 4**.



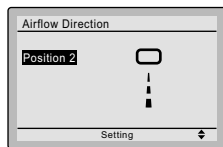
- Selecting **Swing** will cause the airflow direction louver to oscillate back and forth.  
**For the swing setting only, all positions will be displayed.**

\* This function may not be selectable depending on the type of indoor unit.

4



Up/down direction

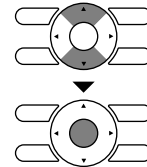


Left/right direction

- When you select positions 0 to 4, the louver will stay in a fixed position.

\* The illustration is an example of the display when position 2 is selected.

- Press ▼▲ buttons to select the desired airflow direction. Press **Menu/OK** button to return to the basic screen.



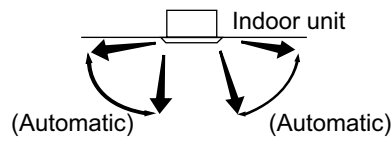
3

**Operational Details and Functions**

There are two types of airflow direction settings.

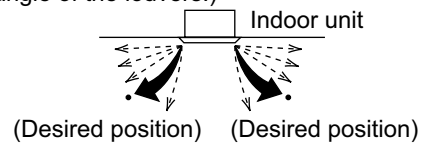
**Airflow direction swing**

The louvers automatically oscillate up and down.



**Airflow direction**

You can select from one of five fixed directions. (This has no relation to the angle of the louvers.)



**Movement of airflow direction louver**

Under the operating conditions shown below, airflow direction is controlled automatically. Actual operation may be different than what is displayed on the remote controller.

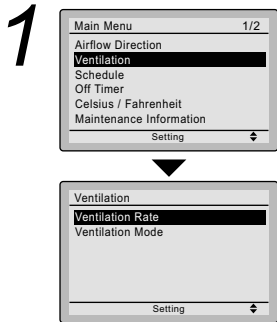
|                            |                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating condition</b> | <ul style="list-style-type: none"> <li>• Room temperature is higher than the remote controller's setpoint (in heating operation).</li> <li>• When defrosting (in heating operation).<br/>(The airflow discharges horizontally to avoid creating a draft for the room occupants.)</li> <li>• Under continuous operation with the airflow discharging horizontally.</li> </ul> |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# Menu Options

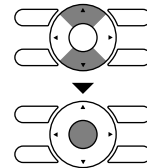
## Ventilation

### ■ Ventilation screen display properties

#### Operation

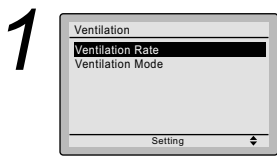


- Display the main menu screen. (See page 22.)
  - Press ▼▲ buttons to select **Ventilation** on the main menu screen. (For models with no ventilation function, **Ventilation** will not be displayed on the main menu screen.)
- Press **Menu/OK** button to display the ventilation screen.

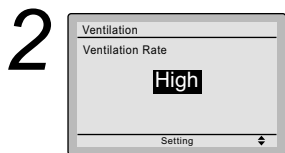
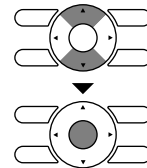


### ■ Changing the ventilation rate

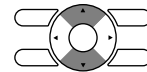
#### Operation



- Navigate to the ventilation screen (see above).
  - Press ▼▲ buttons to select **Ventilation Rate** on the ventilation screen.
- Press **Menu/OK** button to display the ventilation rate screen.



- Press the ▼▲ buttons to toggle between the **Low** and **High** settings.
- \* Only modes that can be set are displayed.





3

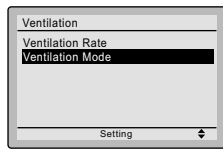
- Selecting and confirming the desired ventilation rate will take you back to the basic screen.  
(Pressing the **Cancel** button takes you back to the previous screen without changing the ventilation rate.)



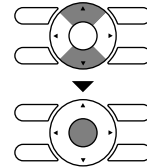
## ■ Changing the ventilation mode

### Operation

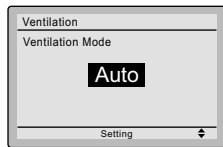
1



- Display the ventilation screen.  
(See page 26.)
- Press ▼▲ buttons to select **Ventilation Mode** on the ventilation screen.  
Press **Menu/OK** button to display the ventilation mode screen.



2



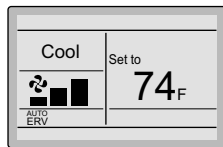
- Pressing the ▼▲ buttons cycles through the settings in the order shown below.



\* Only modes that can be set are displayed.



3



- Selecting and confirming the desired ventilation mode will take you back to the basic screen.  
(Pressing the **Cancel** button takes you back to the previous screen without changing the ventilation mode.)



# Menu Options

## Ventilation Mode

### Auto mode

Using information from the air conditioner (cool, heat, fan, and setpoint) and the energy recovery ventilator unit (indoor and outdoor temperatures), the ventilation mode is automatically changed between ERV and Bypass.

### ERV mode

Outside air is passed through the ERV core and is supplied to the conditioned space.

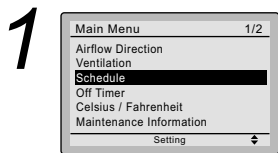
### Bypass mode

Outside air is supplied to the conditioned space without passing through the ERV core.

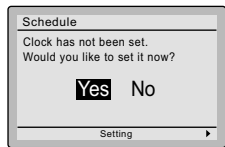
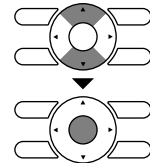
## Schedule

### Setting the schedule

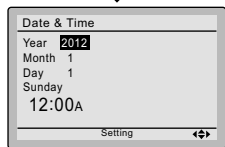
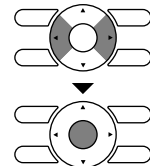
**Operation** The schedule can not be enabled when a multizone controller is connected.



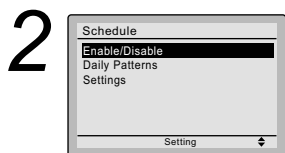
- Display the main menu screen. (See page 22.)
- Press ▼▲ buttons to select **Schedule**. Press **Menu/OK** button to display the schedule screen.



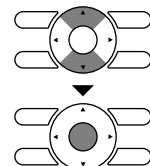
- Before setting the schedule, the clock must be set.
- If the clock has not been set, a screen like the one on the left will appear. Press ◀▶ buttons to select **Yes** and press **Menu/OK** button.



- The date & time screen will appear.
- Set the current year, month, day, and time. (See clock settings on page 39.)



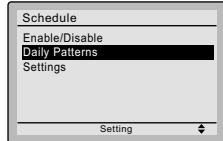
- Press ▼▲ buttons to select the desired function on the schedule screen and press **Menu/OK** button.



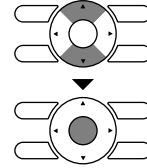
## ■ Daily Patterns

### Operation

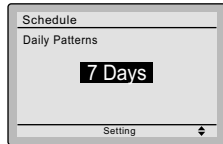
1



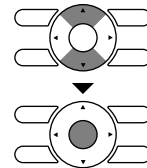
- The schedule screen will appear.
- Press ▼▲ buttons to select **Daily Patterns** on the schedule screen. The daily patterns screen will appear when the **Menu/OK** button is pressed.



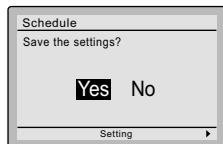
2



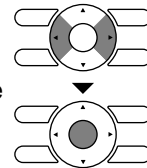
- Press ▼▲ buttons to select **7 Days**, **Weekday/Sat/Sun**, **Weekday/Weekend** or **Everyday** on the daily patterns screen. The confirmation screen will appear when the **Menu/OK** button is pressed.



3



- Press ◀▶ buttons to select **Yes** on the confirmation screen. Pressing the **Menu/OK** button enters the daily patterns in the schedule and takes you back to the main menu screen.

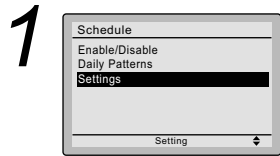


# Menu Options

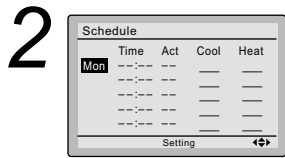
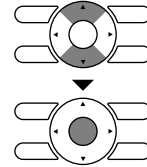
## ■ Settings

### Operation

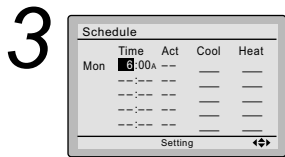
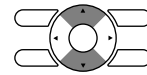
3



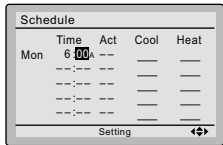
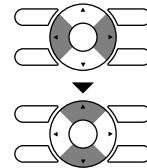
- The schedule screen will appear.
- Press ▼▲ buttons to select **Settings** on the schedule screen. The settings screen will appear when the **Menu/OK** button is pressed.



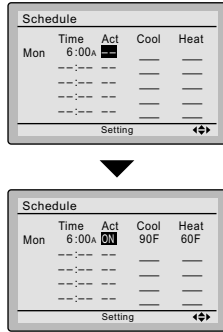
- Press ▼▲ buttons to select the day to be set.
- \* It cannot be selected in the case of **EVDY**.



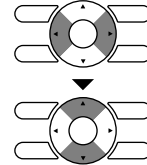
- Input the time for the selected day.
- Press ◀▶ buttons to move the highlighted item and press ▼▲ buttons to input the desired operation start time. Each press of ▼▲ buttons moves the numbers by 1 hour or 1 minute.



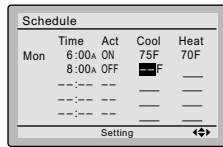
4



- Press the ◀▶ buttons to move the highlighted item and press ▼▲ buttons to configure ON/OFF/-- settings. --, ON, or OFF changes in sequence when ▼▲ buttons are pressed.



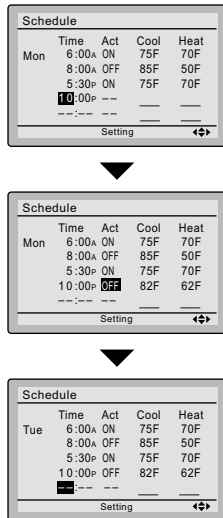
- ON: The temperature setpoints can be configured.
- OFF: The setback temperature setpoints can be configured.
- : The temperature setpoints and setback temperature setpoints become disabled.



- The cooling and heating temperature setpoints for both ON and OFF (Setback) are configured.

- : Indicates that the temperature setpoint and setback temperature setpoint for this time period is not specified. The last active setpoint will be utilized.
- : Indicates that the setback function is disabled for this time period.

5

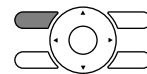
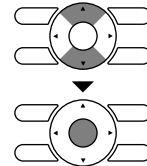


- A maximum of five actions per day can be set.

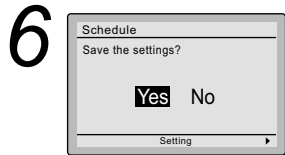
- Press the **Menu/OK** button when settings for each day are completed. The confirmation screen will appear.

To copy the settings for the previous day, press the **Mode** button so that the existing settings will be copied.

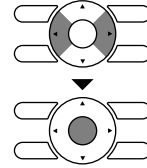
Example: The contents for Monday are copied by pressing the **Mode** button after selecting Tuesday.



# Menu Options

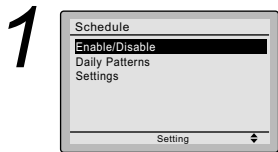


- Press ◀▶ buttons to select **Yes** on the confirmation screen. Pressing the **Menu/OK** button confirms the settings for each day and takes you back to the basic screen.

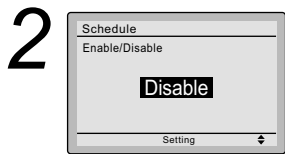
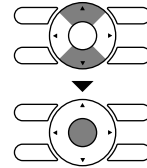


## Enabling or disabling the schedule

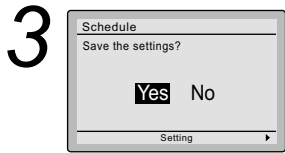
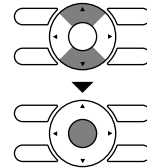
### Operation



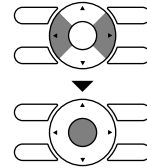
- Display the schedule screen. (See page 28.)
- Press ▼▲ buttons to select **Enable / Disable** on the schedule screen. Press **Menu/OK** button to display the enable/disable screen.



- Press ▼▲ buttons to select **Enable** or **Disable** on the enable/disable screen. Press **Menu/OK** button after selecting the item. The confirmation screen is displayed.



- Press ◀▶ buttons to select **Yes** on the confirmation screen. Pressing **Menu/OK** button confirms the enable/disable setting for the schedule and takes you back to the basic screen.

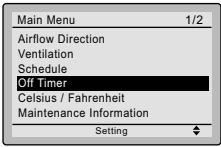
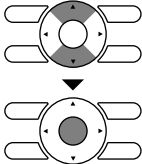


# Off Timer

## ■ Configuring and Confirming the Off Timer settings


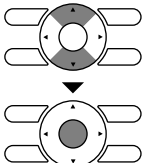
### Operation

- 1**


  - Display the main menu screen. (See page 22.)
  - Press **▼▲** buttons to select the **Off Timer** on the main menu screen. Press **Menu/OK** button to display the off timer screen.

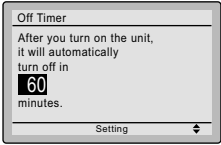
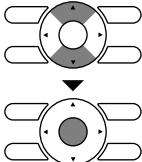
---

- 2**


  - Press **▼▲** buttons to select **Settings** on the off timer screen. Press **Menu/OK** button to display the configuration screen.

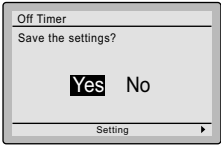
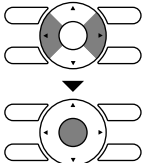
---

- 3**


  - Use **▼▲** buttons to set the time from operation start until the unit automatically stops. Selections can be made in increments of 10 minutes from 30 to 180 minutes. Holding down the button causes the number to change continuously.
  - Select the desired time and press **Menu/OK** button. The confirmation screen will appear.

---

- 4**


  - Press **◀▶** button to select **Yes** on the confirmation screen. Pressing **Menu/OK** button confirms the off timer and takes you back to the basic screen.

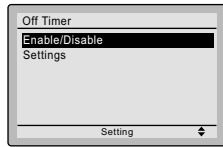
# Menu Options



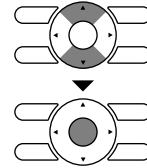
## Enabling or disabling the off timer

### Operation

1



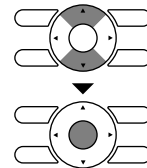
- Navigate to the off timer screen.  
(See page 33.)
- Press ▼▲ buttons to select **Enable/Disable** on the off timer screen. Press **Menu/OK** button to display the enable/disable screen.



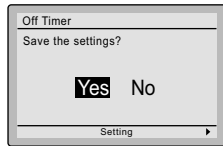
2



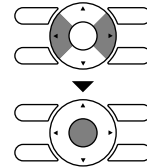
- Press ▼▲ buttons to select **Enable** or **Disable** on the enable/disable screen. Press **Menu/OK** button after selecting the item. Then the confirmation screen is displayed.



3



- Press ◀▶ button to select **Yes** on the confirmation screen. Pressing **Menu/OK** button confirms the enable/disable for the off timer and takes you back to the basic screen.



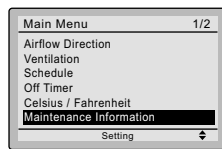


## Maintenance Information

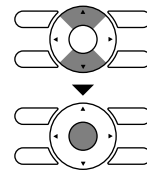
### ■ Displaying the service contact and model information

#### Operation

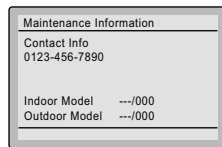
1



- Display the main menu screen. (See page 22.)
- Press ▼▲ buttons to select **Maintenance Information** on the main menu screen and press **Menu/OK** button.



2



- The phone number for the contact is displayed at the top of the screen. (If it has not yet been entered, it will not be displayed.)
- The model information of the indoor and outdoor units for your product will be displayed on the bottom of the screen. (For some models the product code may be displayed. )

\* The model name will not be displayed if the indoor unit PCB has been replaced.

\* The error code history may also be displayed. If the operation lamp is not blinking, the unit is working properly. The error code history is no longer displayed if you press **On/Off** button for more than 4 seconds.



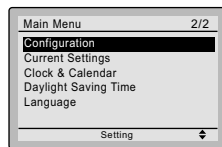
# Menu Options

## Configuration

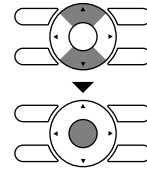
### ■ Contrast Adjustment

#### Operation

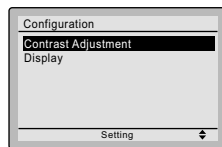
1



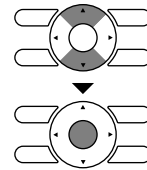
- Display the main menu screen.  
(See page 22.)
- Press ▼▲ buttons to select **Configuration** on the main menu screen.  
Press **Menu/OK** button to display the configuration screen.



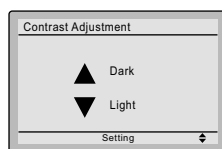
2



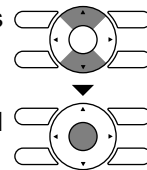
- Navigate to the configuration screen.
- Press ▼▲ buttons to select **Contrast Adjustment** on the configuration screen.  
Press **Menu/OK** button to display the contrast adjustment screen.



3



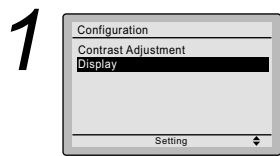
- On the contrast adjustment screen press ▼▲ buttons until you reach the desired contrast.  
After setting, press **Menu/OK** button and return to the basic screen.



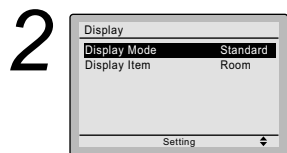
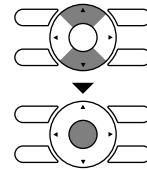
3

## ■ Display Display Mode

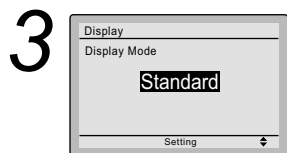
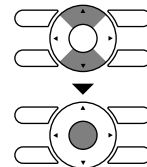
### Operation



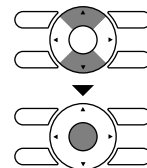
- Navigate to the configuration screen.  
(See page 36.)
- Press ▼▲ buttons to select **Display** on the configuration screen. Press **Menu/OK** button to display the display screen.



- Press ▼▲ buttons to select **Display Mode** on the display screen. Press **Menu/OK** button to display the Display Mode screen.



- Press ▼▲ buttons to select **Standard**, **Detailed** or **Simple** on the display screen.
- Press **Menu/OK** button to confirm the settings and return to the basic screen.

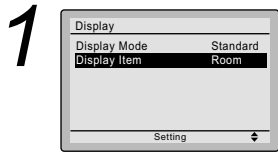


\* Refer to **Display Item** to change the selectable display item for Detailed and Simple display modes. (See page 38.)

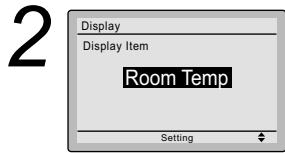
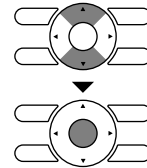
# Menu Options

## Display Item

### Operation



- Navigate to the display screen.  
(See page 37.)
- Press ▼▲ buttons to select **Display Item** on the display screen. Press **Menu/OK** button to display the display item screen.



- Pressing ▼▲ buttons displays the following.



- \* Some models may not display these items even if they are selected.
- Be sure to read the following notes regarding display of room temperature and outside air temperature.

#### Room Temp

..... The temperature at the remote controller.  
The temperature that is detected may be affected by the location of the remote controller.

#### Outside Air Temp

..... The temperature at the outdoor unit.  
The temperature that is detected may be affected by factors such as the location of the unit (for example, if it is in direct sunlight) and unit operation during defrosting.

- After setting, press **Menu/OK** button to confirm settings and return to the basic screen.

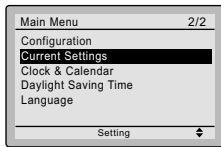


## Current Settings

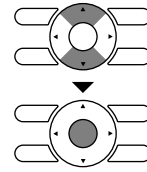
### Manipulating the current settings

#### Operation

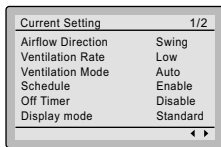
1



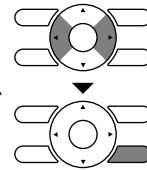
- Display the main menu screen. (See page 22.)
- Press ▼▲ buttons to select **Current Settings** on the main menu screen and press **Menu/OK** button.



2



- A list showing the current setting status will appear. Press ◀▶ buttons to go to the next item.
- Pressing the **Cancel** button takes you back to the main menu screen.



|                   |              |
|-------------------|--------------|
| Display items     |              |
| Airflow Direction | Off Timer    |
| Ventilation Rate  | Display mode |
| Ventilation Mode  | Display item |
| Schedule          |              |

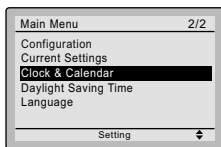
\* Display items may differ depending on the model. Only the items that can be set are displayed.

## Clock & Calendar

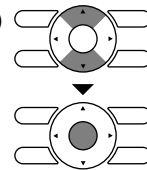
### Date & Time

#### Operation

1

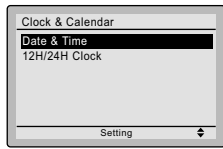


- Display the main menu screen. (See page 22.)
- Press ▼▲ buttons to select **Clock & Calendar** on the main menu screen. Press **Menu/OK** button to display the clock & calendar screen.

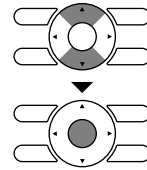


# Menu Options

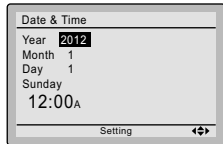
2



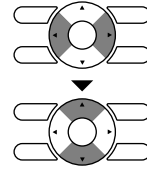
- Press ▼▲ buttons to select **Date & Time** on the clock & calendar screen. Press **Menu/OK** button to display the date & time screen.



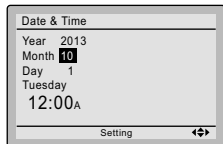
3



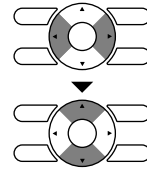
- Select **Year** with ◀▶ buttons. Change the year with ▼▲ buttons. Holding down the button causes the number to change continuously.



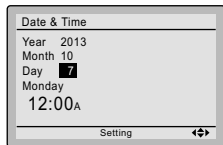
4



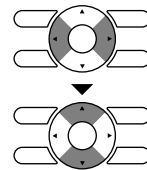
- Select **Month** with ◀▶ buttons. Change the month with ▼▲ buttons. Holding down the button causes the number to change continuously.



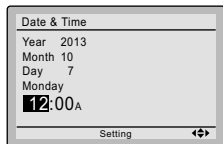
5



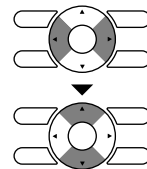
- Select **Day** with ◀▶ buttons. Change the day with ▼▲ buttons. Holding down the button causes the number to change continuously. Days of the week change automatically.



6

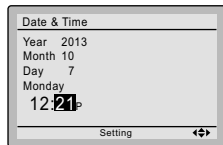


- Select **Hour** with ◀▶ buttons. Change the hour with ▼▲ buttons. Holding down the button causes the number to change continuously.

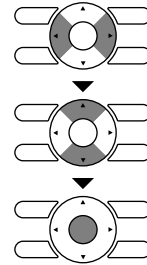


3

7



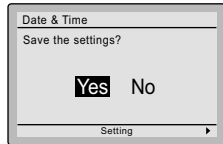
- Select **Minute** with ◀▶ buttons.  
Change the minute with ▼▲ buttons. Holding down the button causes the number to change continuously.
- Press **Menu/OK** button.  
The confirmation screen will appear.



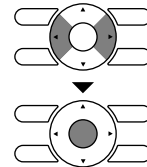
Note:

The date can be set between January 1, 2012 and December 31, 2099.

8



- Press ◀▶ button to select **Yes** on the confirmation screen.  
Press **Menu/OK** button to confirm the clock and return to the basic screen.

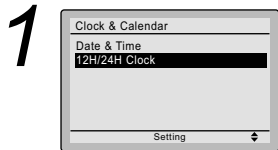


\* When setting the schedule, the display returns to the settings screen.

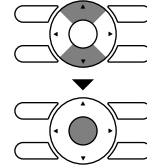
# Menu Options

## ■ 12H/24H CLOCK

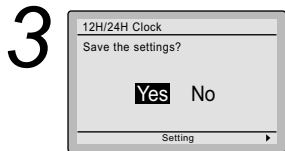
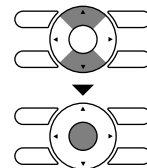
### Operation



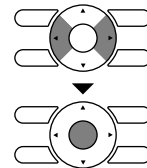
- Display the clock & calendar screen. (See page 39.)
- Press ▼▲ buttons to select **12H/24H Clock** on the Clock & Calendar screen. The 12H/24H clock screen will appear when the **Menu/OK** button is pressed.



- By default, the time display is set to the 12H format.
- Press ▼▲ buttons to select **12H** **24H** on the 12H/24H clock screen.
- The confirmation screen will appear when the **Menu/OK** button is pressed.



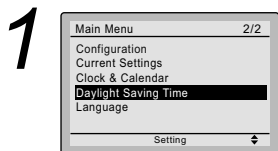
- Press ◀▶ buttons to select **Yes** on the confirmation screen. Pressing the **Menu/OK** button confirms the 12H or 24H and takes you back to the basic screen.



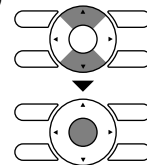
## Daylight Saving Time

### ■ How to display Daylight Saving Time

#### Operation



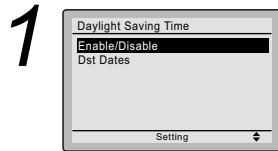
- Display the Main Menu screen. (See page 22.)
- Press the ▼▲ buttons to select **Daylight Saving Time** on the Main Menu screen. Press the **Menu/OK** button to display the Daylight Saving Time screen.



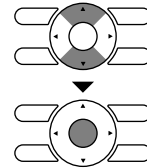


## Enabling or disabling Daylight Saving Time

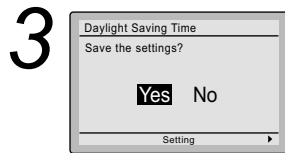
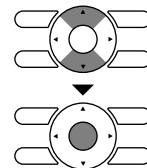
### Operation



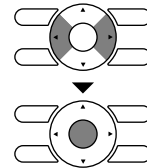
- Display the Daylight Saving Time screen. (See page 42.)
- Press the ▼▲ buttons to select **Enable/Disable** on the Daylight Saving Time screen. Press the **Menu/OK** button to display the Enable/Disable screen.



- Press the ▼▲ buttons to select **Enable** or **Disable** on the Enable/Disable screen.
- Press the **Menu/OK** button to display the setting confirmation screen.

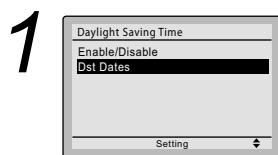


- Press the ◀▶ buttons to select **Yes** on the setting confirmation screen. Pressing the **Menu/OK** button confirms the Daylight Saving Time Enable/Disable setting and takes you back to the basic screen.

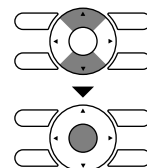


## Setting the date

### Operation

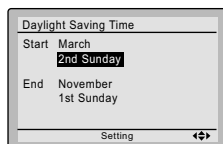
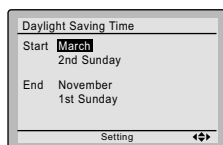


- Display the Daylight Saving Time screen. (See page 42.)
- Press the ▼▲ buttons to select **Dst Dates** on the Daylight Saving Time screen. Press the **Menu/OK** button to display the duration setting screen.



## Menu Options

2

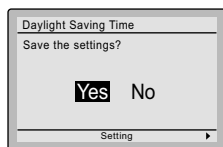


- Press the ▼▲ buttons to select a month from 12 months (January to December) for both Start and End.
- Press the ◀▶ buttons to select a week. Press the ▼▲ buttons to select a week from 5 weeks (1st Sunday to Last Sunday) for both Start and End.

\*When you set the last week for a month that does not have the Sunday in the fifth week, the Sunday in the fourth week will be set for the switching day.

- After setting the Start and End dates, press the **Menu/OK** button to display the setting confirmation screen.

3



- Press the ◀▶ buttons to select **Yes** on the setting confirmation screen. Pressing the **Menu/OK** button confirms the Daylight Saving Time settings and takes you back to the basic screen.

### When Daylight Saving Time is enabled

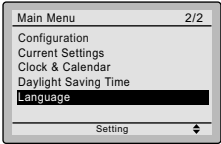
When the clock in the remote controller reaches 2:00 a.m. on the specified start date, the clock is automatically set forward by one hour. When the clock in the remote controller reaches 3:00 a.m. on the end date, the clock is automatically set back by one hour.

# Language

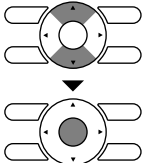
## ■ Selectable Languages

### Operation


**1**



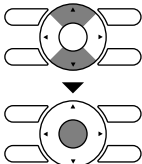
- Display the main menu screen. (See page 22.)
- Press ▼▲ buttons to select **Language** on the main menu screen and press the **Menu/OK** button.



**2**



- Press ▼▲ buttons to select the preferred language on the language screen. English/Français/Español are available.
- Press **Menu/OK** button to confirm the settings and return to the basic screen.

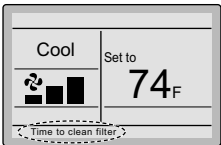


# Maintenance

## Reset Filter Indicator

### Operation

**1**



- When it is time to clean or replace the filter, one of the following messages will be displayed on the bottom of the basic screen.
  - Time to clean filter**
  - Time to clean filter & element**
  - Time to clean element**

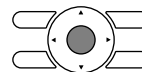
\* This is not displayed when simple display is set.

- Wash, clean, or replace the filter or element.  
For details, refer to the operation manual supplied with the indoor unit.

## Maintenance

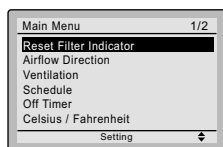
# 2

- Reset the filter indicator when the filter or element is cleaned or replaced.
- Press **Menu/OK** button.  
The main menu screen will be displayed.

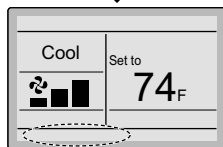
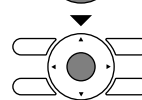


# 3

# 3



- Press ▼▲ buttons to select **Reset Filter Indicator** on the main menu screen and press **Menu/OK** button.



- The display shown in illustration 1 is no longer displayed from the basic screen when the filter sign is reset.

## Maintaining the Unit and LCD Display

- Wipe the LCD and surface of the remote controller with a dry cloth when they become dirty.
- If the dirt on the surface cannot be removed, soak the cloth in neutral detergent diluted with water, squeeze the cloth tightly, and clean the surface. Wipe the surface with a dry cloth.

### Note

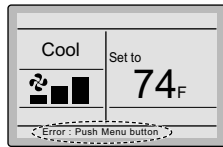
- Do not use any paint thinner, organic solvent, or strong acid.

## Error Code Display

### Contact your Daikin dealer in the following cases

#### Operation

1



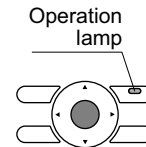
- If an error occurs, either one of the following items will flash in the basic screen.

#### Error: Push Menu button

- \* The operation lamp will flash.
- \* For simple display, the message is not displayed, and only the operation lamp flashes.

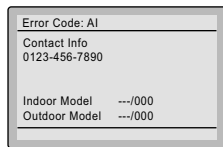
#### Warning: Push Menu button

- \* The operation lamp will not flash.
- \* For simple display, the message is not displayed, and the operation lamp does not flash, either.



- Press **Menu/OK** button.

2



- The error code will flash and the service contact and model name or code may be displayed.
- Notify your Daikin dealer of the Error code and model name or code.

# Reference Information

## After-sale Service

### Warning

- **Do not relocate or reinstall the remote controller by yourself.**  
Improper installation may result in electric shocks or fire.  
Consult your Daikin dealer.

**3**

### ■ Advise your Daikin Dealer of the following items

- Model name
- Date of installation
- Failure conditions: As precise as possible.
- Your address, name, and telephone number

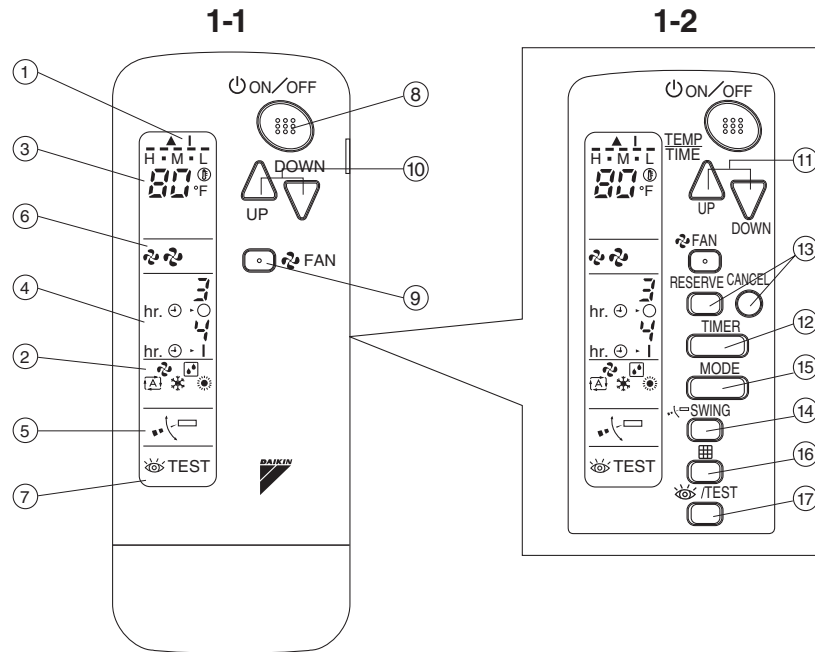
### ■ Repairs after Warranty Period

Consult your Daikin dealer.

### ■ Inquiry about After-sale Service

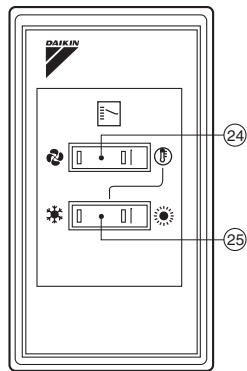
Contact your Daikin dealer.

## 2.2 With <BRC7E830> Wireless Remote Controller

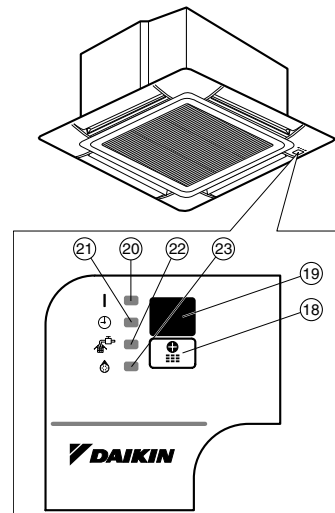


1

### 1-3 COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH



1



2

#### PRIOR TO USE

This operation manual is exclusively for instructions on how to use the wireless remote controller. Read also the operation manual attached to the indoor unit for safe usage of the system and maintenance.

[1]

### CONTENTS

ILLUSTRATION.....[1]  
 PRIOR TO USE.....[2]

1. SAFETY CONSIDERATIONS ..... 1
2. NAMES AND FUNCTIONS OF THE OPERATING SECTION (Fig. 1, 2) .....2
3. HANDLING FOR WIRELESS REMOTE CONTROLLER.....3
4. OPERATION RANGE ..... 4
5. OPERATION PROCEDURE ..... 4
6. NOT MALFUNCTION OF THE AIR CONDITIONER..... 9
7. HOW TO DIAGNOSE TROUBLE SPOTS.. 10

## 1. SAFETY CONSIDERATIONS

Please read these "SAFETY CONSIDERATIONS" carefully before installing air conditioning equipment and be sure to install it correctly. After completing the installation, make sure that the unit operates properly during the test run.

Please instruct the customer on how to operate the unit and keep it maintained.

Also, inform customers that they should store this operation manual along with the installation manual for future reference.

This air conditioner comes under the term "appliances not accessible to the general public". Meaning of warning, caution and note symbols.

**⚠ WARNING** . . . . . Indication a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION** . . . . . Indication a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be sued to alert against unsafe practices.

**⚠ NOTE** . . . . . Indication situation that may result in equipment or property-damage-only accidents.

**Keep these warning sheets handy so that you can refer to them if needed.**

Also, if this equipment is transferred to a new user, make sure to hand over this operation manual to the new user.

---

**⚠ WARNING**

---

- **It is not good for your health to expose your body to the air flow for a long time.**
- **In order to avoid electric shock, fire or injury, or if you detect any abnormality such as smell of fire, turn off power and call your dealer for instructions.**
- **Ask your dealer for installation of the air conditioner.**

Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

- **Ask your dealer for improvement, repair, and maintenance.**

Incomplete improvement, repair, and maintenance may result in a water leakage, electric shock, and fire.

- **Do not put a finger, a rod or other objects into the air inlet or outlet. As the fan is rotating at high speed, it will cause injury.**
- **Ask your dealer to move and reinstall the air conditioner.**

Incomplete installation may result in a water leakage, electric shock, and fire.

- **Do not touch the switch with wet fingers.**  
Touching a switch with wet fingers can cause electric shock.
  - **Do not operate the air conditioner with a wet hand.**  
Otherwise, you could receive an electric shock.
- 

---

**⚠ CAUTION**

---

- **Do not use the air conditioner for other purposes.**












In order to avoid any quality deterioration, do not use the unit for cooling precision instruments, food, plants, animals or works of art.

- **To avoid oxygen deficiency, ventilate the room sufficiently if equipment with burner is used together with the air conditioner.**
- **Do not allow a child to mount on the unit or avoid placing any object on it.**  
Falling or tumbling may result in injury.








- **Do not let children play on and around the unit.**  
If they touch the unit carelessly, it may result in injury.
- **Do not place a flower vase and anything containing water.**  
Water may enter the unit, causing an electric shock or fire.
- **Do not operate the air conditioner when using a room fumigation - type insecticide.**  
Failure to observe could cause the chemicals to become deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.
- **Never use flammable spray such as hair spray, lacquer or paint near the unit.**  
It may cause a fire.

**2. NAMES AND FUNCTIONS OF THE OPERATING SECTION (Fig. 1, 2)**

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>DISPLAY “▲” (SIGNAL TRANSMISSION)</b><br>This lights up when a signal is being transmitted.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2 | <b>DISPLAY “” “” “” “” “” (OPERATION MODE)</b><br>This display shows the current OPERATION MODE. |
| 3 | <b>DISPLAY “” (SET TEMPERATURE)</b><br>This display shows the set temperature.                                                                                                                                                                                                                                                                                                                                                               |
| 4 | <b>DISPLAY “ hr. 0.4” (PROGRAMMED TIME)</b><br>This display shows PROGRAMMED TIME of the system start or stop.                                                                                                                                                                                                                                                                                                                               |
| 5 | <b>DISPLAY “” (AIR FLOW FLAP)</b><br>Refer to page 6.                                                                                                                                                                                                                                                                                                                                                                                        |
| 6 | <b>DISPLAY “” “” (FAN SPEED)</b><br>The display shows the set fan speed.                                                                                                                                                                                                                                                                                  |
| 7 | <b>DISPLAY “ TEST” (INSPECTION/TEST RUN)</b><br>When the INSPECTION/TEST RUN BUTTON is pressed, the display shows the system mode is in.                                                                                                                                                                                                                                                                                                     |

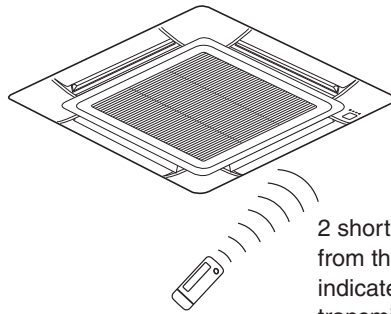
|    |                                                                                                                                                               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8  | <b>ON/OFF BUTTON</b><br>Press the button and the system will start.<br>Press the button again and the system will stop.                                       |
| 9  | <b>FAN SPEED CONTROL BUTTON</b><br>Press this button to select the fan speed, HIGH or LOW, of your choice.                                                    |
| 10 | <b>TEMPERATURE SETTING BUTTON</b><br>Use this button for SETTING TEMPERATURE (Operates with the front cover of the remote controller closed.)                 |
| 11 | <b>PROGRAMMING TIMER BUTTON</b><br>Use this button for programming “START and/or STOP” time. (Operates with the front cover of the remote controller opened.) |
| 12 | <b>TIMER MODE START/STOP BUTTON</b><br>Refer to page 7.                                                                                                       |
| 13 | <b>TIMER RESERVE/CANCEL BUTTON</b><br>Refer to page 7.                                                                                                        |
| 14 | <b>AIR FLOW DIRECTION ADJUST BUTTON</b><br>Refer to page 6.                                                                                                   |
| 15 | <b>OPERATION MODE SELECTOR BUTTON</b><br>Press this button to select OPERATION MODE.                                                                          |
| 16 | <b>FILTER SIGN RESET BUTTON</b><br>Refer to the section of MAINTENANCE in the operation manual attached to the indoor unit.                                   |
| 17 | <b>INSPECTION/TEST RUN BUTTON</b><br>This button is used only by qualified service persons for maintenance purposes.                                          |
| 18 | <b>EMERGENCY OPERATION SWITCH</b><br>This switch is readily used if the remote controller does not work.                                                      |
| 19 | <b>RECEIVER</b><br>This receives the signals from the remote controller.                                                                                      |
| 20 | <b>OPERATING INDICATOR LAMP (Red)</b><br>This lamp stays lit while the air conditioner runs. It flashes when the unit is in trouble.                          |
| 21 | <b>TIMER INDICATOR LAMP (Green)</b><br>This lamp stays lit while the timer is set.                                                                            |
| 22 | <b>AIR FILTER CLEANING TIME INDICATOR LAMP (Red)</b><br>Lights up when it is time to clean the air filter.                                                    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>DEFROST LAMP (Orange)</b>                                                                                                                                                                                                            |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lights up when the defrosting operation has started.                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FAN/AIR CONDITIONING SELECTOR SWITCH</b>                                                                                                                                                                                             |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Set the switch to “  ” (FAN) for FAN and “  ” (A/C) for HEAT or COOL. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>COOL/HEAT CHANGEOVER SWITCH</b>                                                                                                                                                                                                      |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Set the switch to “  ” (COOL) for COOL and “  ” (HEAT) for HEAT.      |
| <b>NOTE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>• For the sake of explanation, all indications are shown on the display in Fig. 1 contrary to actual running situations.</li> <li>• Fig. 1-2 shows the remote controller with the front cover opened.</li> <li>• If the air filter cleaning time indicator lamp lights up, clean the air filter as explained in the operation manual provided with the indoor unit.</li> <li>• After cleaning and reinstalling the air filter, press the filter sign reset button on the remote controller. The air filter cleaning time indicator lamp on the receiver will go out.</li> <li>• The defrost lamp will flash when the power is turned on. This is not a malfunction.</li> </ul> |                                                                                                                                                                                                                                         |

### 3. HANDLING FOR WIRELESS REMOTE CONTROLLER

**Precautions in handling remote controller**  
**Direct the transmitting part of the remote controller to the receiving part of the air conditioner.**

If something blocks the transmitting and receiving path of the indoor unit and the remote controller as curtains, it will not operate.



2 short beeps from the receiver indicates that the transmission is properly done.

**Transmitting distance is approximately 23 ft.**

**Do not drop or get it wet.**  
 It may be damaged.

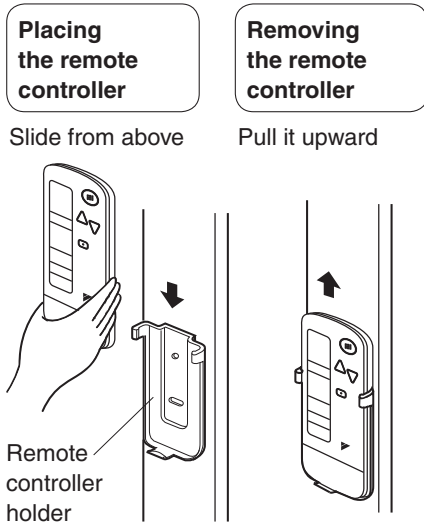
**Never press the button of the remote controller with a hard, pointed object.**  
 The remote controller may be damaged.

**Installation site**

- It is possible that signals will not be received in rooms that have electronic fluorescent lighting. Please consult with your dealer before buying new fluorescent lights.
- If the remote controller operates some other electrical apparatus, move that machine away or consult your dealer.

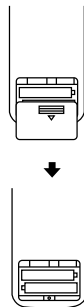
**Placing the remote controller in the remote controller holder**

Install the remote controller holder to a wall or a pillar with the attached screw. (Make sure it transmits.)



**How to put the dry batteries**

- (1) Remove the back cover of the remote controller to the direction pointed by the arrow mark.
- (2) Put the batteries. Use two dry cell batteries (AAA, LR03 (alkaline)). Put dry batteries correctly to fit their (+) and (-).
- (3) Close the cover.



**— When to change batteries —**

Under normal use, batteries last about a year. However, change them whenever the indoor unit doesn't respond or responds slowly to commands, or if the display becomes dark.

**[CAUTIONS]**

- Replace all batteries at the same time, do not use new and old batteries intermixed.
- In case the remote controller is not used for a long time, take out all batteries in order to prevent liquid leak of the battery.

**IN THE CASE OF CENTRALIZED CONTROL SYSTEM**

If the indoor unit is under centralized control, it is necessary to switch the remote controller's setting.

In this case, contact your DAIKIN dealer.

**4. OPERATION RANGE**

See the operation manual provided with the air conditioner.

The setting temperature range of the remote controller is 60 to 90°F.

**5. OPERATION PROCEDURE**

Refer to Fig. 1 on page [1]

- To protect the unit, turn on the main power switch 6 hours before operation.
- If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

**COOLING, HEATING, AUTOMATIC, FAN, AND PROGRAM DRY OPERATION**

Operate in the following order.

**<<FOR SYSTEMS WITHOUT COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH>>**

Refer to Fig. 1-1, 2 on page [1]

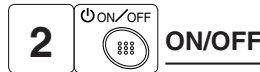


**Press OPERATION MODE SELECTOR button several times and select the OPERATION MODE of your choice as follows.**

- COOLING OPERATION ..... “❄️”
- HEATING OPERATION..... “☀️”
- AUTOMATIC OPERATION..... “🔄”
  - In this operation mode, COOL/HEAT changeover is automatically conducted.
- FAN OPERATION ..... “🌀”
- DRY OPERATION..... “💧”
  - The function of this program is to decrease the humidity in your room with the minimum temperature decrease.
  - Micro computer automatically determines TEMPERATURE and FAN SPEED.
  - This system does not go into operation if the room temperature is below 60°F.

- See “FOR SYSTEMS WITHOUT COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH” for details on dry operation.

**(2) Press OPERATION MODE SELECTOR button several times and select “🔘”**  
(This operation is only available during dry operation.)



**Press ON/OFF button**

OPERATION lamp lights up or goes off and the system starts or stops OPERATION.

**NOTE**

- Do not turn OFF power immediately after the unit stops. Then, wait no less than 5 minutes. Water is leaking or there is something else wrong with the unit.

**[EXPLANATION OF HEATING OPERATION] DEFROST OPERATION**

- As the frost on the coil of an outdoor unit increase, heating effect decreases and the system goes into DEFROST OPERATION.
- The fan operation stops and the DEFROST lamp of the indoor unit goes on.  
After 6 to 8 minutes (maximum 10 minutes) of DEFROST OPERATION, the system returns to HEATING OPERATION.

**Heating capacity & Outdoor air temperature**

- Heating capacity drops as outdoor air temperature lowers. If feeling cold, use another heater at the same time as this air conditioner.
- Hot air is circulated to warm the room. It will take some time from when the air conditioner is first started until the entire room becomes warm. The internal fan automatically turns at low speed until the air conditioner reaches a certain temperature on the inside. In this situation, all you can do is wait.
- If hot air accumulates on the ceiling and feet are left feeling cold, it is recommended to use a circulator. For details, contact your dealer.



**Press ON/OFF button**

OPERATION lamp lights up or goes off and the system starts or stops OPERATION.

**NOTE**

- Do not turn OFF power immediately after the unit stops. Then, wait no less than 5 minutes. Water is leaking or there is something else wrong with the unit.

**<<FOR SYSTEMS WITH COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH>>**

Refer to Fig. 1-1, 3 on page [1]



**(1) Select OPERATION MODE with the COOL/HEAT CHANGEOVER REMOTE CONTROL SWITCH as follows.**

- COOLING OPERATION ..... “❄️”
- HEATING OPERATION..... “☀️”
- FAN OPERATION ..... “🌀”
- DRY OPERATION..... “💧”

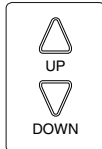
**ADJUSTMENT**

For programming TEMPERATURE, FAN SPEED and AIR FLOW DIRECTION, follow the procedure shown below.



**TEMPERATURE SETTING**

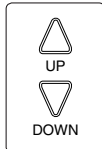
Press TEMPERATURE SETTING button and program the setting temperature.



Each time this button is pressed, setting temperature rises 1°F.

Each time this button is pressed, setting temperature lowers 1°F.

**In case of automatic operation**



Each time this button is pressed, setting temperature shifts to "H" side.

Each time this button is pressed, setting temperature shifts to "L" side.

[°F]

|                     |    |    |      |    |    |
|---------------------|----|----|------|----|----|
|                     | H  | •  | M    | •  | L  |
| Setting temperature | 77 | 73 | 71.5 | 70 | 66 |

- The setting is impossible for fan operation.

**NOTE**

- The setting temperature range of the remote controller is 60 to 90°F.



**FAN SPEED CONTROL**

Press FAN SPEED CONTROL button.

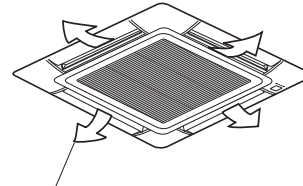
High or Low fan speed can be selected. The micro computer may sometimes control the fan speed in order to protect the unit.



**AIR FLOW DIRECTION ADJUST**

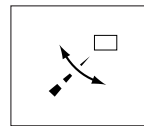
**UP AND DOWN DIRECTION**

- The movable limit of the flap is changeable. Contact your Daikin dealer for details.



Up and down adjustment

Press the AIR FLOW DIRECTION ADJUST button to select the air direction as shown below.



DISPLAY appears and the air flow direction continuously varies. (Automatic swing setting)



Press AIR FLOW DIRECTION ADJUST button to select the air direction of your choice.



DISPLAY vanishes and the air flow direction is fixed (Fixed air flow direction setting).

**MOVEMENT OF THE AIR FLOW FLAP**

For the following conditions, micro computer controls the air flow direction so it may be different from the display.

| Operation mode       | Heating                                                                                                                                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation conditions | <ul style="list-style-type: none"> <li>• When starting operation</li> <li>• When room temperature is higher than the set temperature</li> <li>• At defrost operation (The flaps blow horizontally to avoid blowing cold air directly on the occupants of the room.)</li> </ul> |

**NOTE**

- If you try cooling or programmed drying, while the flaps are facing downward, air flow direction may change unexpectedly. There is nothing wrong with the equipment. This serves to prevent dew formed on parts in the air discharge outlet from dripping.
- Operation mode includes automatic operation.

**PROGRAM TIMER OPERATION**

Operate in the following order.

- The timer is operated in the following two ways.  
Programming the stop time (⊕ · ○)  
.... The system stops operating after the set time has elapsed.  
Programming the start time (⊕ · |)  
.... The system starts operating after the set time has elapsed.
- The timer can be programmed a maximum of 72 hours.
- The start and the stop time can be simultaneously programmed.

**1**  **TIMER MODE START/STOP**

**Press the TIMER MODE START/STOP button several times and select the mode on the display.**



The display flashes.

For setting the timer stop .... “⊕ · ○”

For setting the timer start .... “⊕ · |”

**2**  **PROGRAMMING TIME**

**Press the PROGRAMMING TIME button and set the time for stopping or starting the system.**

-  UP  
When this button is pressed, the time advances by 1 hour.
-  DOWN  
When this button is pressed, the time goes backward by 1 hour.

**3**  **TIMER RESERVE**

**Press the TIMER RESERVE button.**

The timer setting procedure ends.

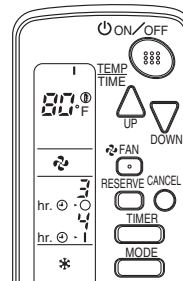
The display is changed from flashing light to a constant light.

**4**  **TIMER CANCEL**

**Press the TIMER OFF button to cancel programming.**

The display vanishes.

**For example.**



When the timer is programmed to stop the system after 3 hours and start the system after 4 hours, the system will stop after 3 hours and then 1 hour later the system will start.

**NOTE**

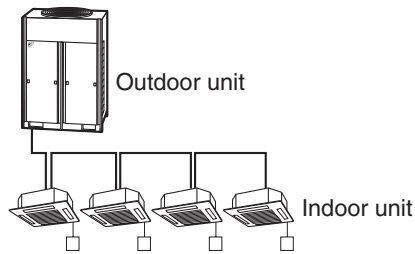
- After the timer is programmed, the display shows the remaining time.

**HOW TO SET MASTER REMOTE CONTROLLER (For VRV system)**

- When the system is installed as shown below, it is necessary to designate the master remote controller.

**■ For Heat pump system**

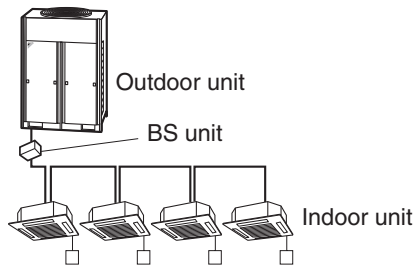
When one outdoor unit is connected with several indoor units.



One of these remote controllers needs to be designated as the master remote controller.

**■ For Heat recovery system**

When one BS unit is connected with several indoor units.



One of these remote controllers needs to be designated as the master remote controller.

- Only the master remote controller can select HEATING, COOLING or AUTOMATIC (only Heat recovery system) OPERATION.

When the indoor unit with master remote controller is set to “COOL”, you can switch over operation mode between “FAN”, “DRY” and “COOL”.

When the indoor unit with master remote controller is set to “HEAT”, you can switch over operation mode between “FAN” and “HEAT”.

When the indoor unit with master remote controller is set to “FAN”, you cannot switch operation mode.

When attempting settings that consented above, a “peep” is emitted as a warning.

Only with Heat recovery system, you can set the indoor unit to AUTOMATIC. Attempting to do so, a “peep” will be emitted as a warning.

**How to designate the master remote controller**  
Operate in the following order.



**Continuously press the OPERATION MODE SELECTOR button for 4 seconds.**

The displays showing “⊕” of all slave indoor units connected to the same outdoor unit or BS unit flash.



**Press the OPERATION MODE SELECTOR button to the indoor unit that you wish to designate as the master remote controller. Then designation is completed. This indoor unit is designated as the master remote controller and the display showing “⊕” vanishes.**

- To change settings, repeat steps ① and ②.

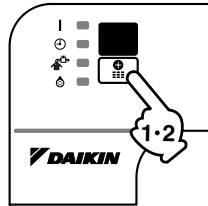
**EMERGENCY OPERATION**

When the remote controller does not work due to battery failure or the absence thereof, use this switch which is located beside the discharge grille on the main unit. When the remote controller does not work, but the battery low indicator on it is not lit, contact your dealer.

**[START]**

- 1** To press the emergency operation switch.

The system runs in the previous mode.  
The system operates with the previously set air flow direction.

**[STOP]**

- 2** Press the EMERGENCY OPERATION switch again.

### PRECAUTIONS FOR GROUP CONTROL SYSTEM OR TWO REMOTE CONTROLLER CONTROL SYSTEM

This system provides two other control systems beside individual control (one remote controller controls one indoor unit) system. Confirm the following if your unit is of the following control system type.

#### ■ Group control system

One remote controller controls up to 16 indoor units.  
All indoor units are equally set.

#### ■ Two remote controller control system

Two remote controllers control one indoor unit. (In case of group control system, one group of indoor units)  
The unit follows individual operation.

#### NOTE

- Cannot have two remote controller control system with only wireless remote controllers. (It will be a two remote controller control system having one wired and one wireless remote controllers.)
- Under two remote controller control system, wireless remote controller cannot control timer operation.

- Only the operating indicator lamp out of 3 other lamps on the indoor unit display functions.

#### NOTE

- Contact your Daikin dealer in case of changing the combination or setting of group control and two remote controller control systems.

## 6. NOT MALFUNCTION OF THE AIR CONDITIONER

The following symptoms do not indicate air conditioner malfunction

### I. THE SYSTEM DOES NOT OPERATE

- **The system does not restart immediately after the ON/OFF button is pressed.**  
If the OPERATION lamp lights, the system is in normal condition. It does not restart immediately because a safety device operates to prevent overload of the system. After 3 minutes, the system will turn on again automatically.
- **The system does not restart immediately when TEMPERATURE SETTING button is returned to the former position after pushing the button.**  
It does not restart immediately because a safety device operates to prevent overload of the system. After 3 minutes, the system will turn on again automatically.
- **If the reception beep is rapidly repeated 3 times (It sounds only twice when operating normally.)**  
Control is set to the optional controller for centralized control.
- **If the defrost lamp on the indoor unit's display is lit when heating is started.**  
This indication is to warn against cold air being blown from the unit. There is nothing wrong with the equipment.



## 7. HOW TO DIAGNOSE TROUBLE SPOTS

### I. EMERGENCY STOP

When the air conditioner stops in emergency, the operating indicator lamp on the indoor unit starts blinking. Take the following steps yourself to read the malfunction code that appears on the display. Contact your dealer with this code. It will help pinpoint the cause of the trouble, speeding up the repair.



**Press the INSPECTION/TEST button to select the inspection mode “E”.**

“E” appears on display and blinks. “UNIT” lights up.



**Press PROGRAMMING TIMER BUTTON and change the unit number.**

Press to change the unit number until the indoor unit beeps and perform the following operation according to the number of beeps.

#### Number of beeps

3 short beeps..... Perform all steps from (3) to (6).

1 short beep ..... Perform (3) and (6) steps.

1 long beep..... Normal state



**Press OPERATION MODE SELECTOR BUTTON**

“E” on the left-hand of the malfunction code blinks.



**Press PROGRAMMING TIMER BUTTON and change the malfunction code.**

Press until the indoor unit beeps twice.



**Press OPERATION MODE SELECTOR BUTTON**

“E” on the right-hand of the malfunction code blinks.



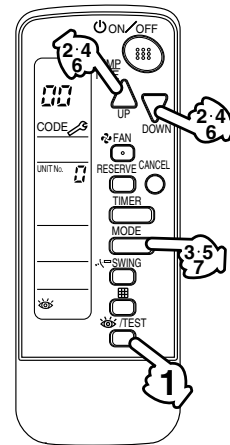
**Press PROGRAMMING TIMER BUTTON and change the malfunction code.**

Press until the indoor unit makes a long beep. The malfunction code is fixed when the indoor unit makes a long beep.



**Reset of the display**

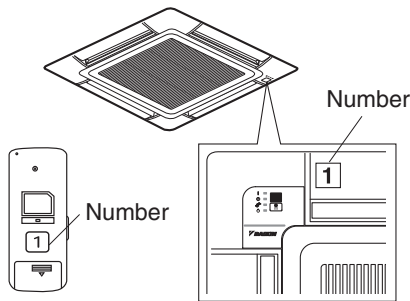
**Press OPERATION MODE SELECTOR BUTTON to get the display back to the normal state.**



**II. IN CASE BESIDES EMERGENCY STOP**

**1. The unit does not operate at all.**

- Check if the receiver is exposed of sunlight or strong light. Keep receiver away from light.
- Check if there are batteries in the remote controller. Place the batteries.
- Check if the indoor unit number and wireless remote controller number are equal.



Operate the indoor unit with the remote controller of the same number.

Signal transmitted from a remote controller of a different number cannot be accepted. (If the number is not mentioned, it is considered as "1".)

**2. The system operates but it does not sufficiently cool or heat.**

- If the set temperature is not proper.
- If the FAN SPEED is set to LOW SPEED.
- If the air flow angle is not proper.

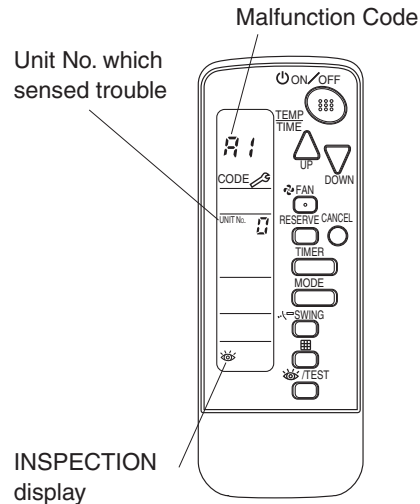
**Contact your dealer in the following case.**

**— ⚠ WARNING —**

When you detect a burning odor, shut OFF power immediately and contact your dealer. Using the equipment in anything but proper working condition can result in equipment damage, electric shock and/or fire.

**[Trouble]**

The operating indicator lamp of the indoor unit is flashing and the unit does not work at all.



**[Remedial action]**

Check the malfunction code (A1 - UF) on the remote controller.

Notify and inform the model name and what the malfunction code indicates to your Daikin dealer.



# Part 4

## Options

|                                                                                        |     |
|----------------------------------------------------------------------------------------|-----|
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# 1. Option List

## 1.1 Indoor Unit

### CTXS, FTXS Series

|    | Option Name                                                                                                | 09/12 Class                | 07/15/18 Class |
|----|------------------------------------------------------------------------------------------------------------|----------------------------|----------------|
| 1  | Wired remote controller ★1                                                                                 | BRC944B2                   |                |
| 2  | Wired remote controller cord                                                                               | Length 3 m (shielded wire) | BRCW901A03     |
|    |                                                                                                            | Length 8 m (shielded wire) | BRCW901A08     |
| 3  | Centralized Control Board-up to 5 Rooms ★2                                                                 | KRC72                      |                |
| 4  | Wiring Adaptor for Timer Clock / Remote Controller ★3<br>(Normal Open Pulse Contact / Normal Open Contact) | KRP413AB1S                 |                |
| 5  | Central Remote Controller ★4                                                                               | DCS302C71                  |                |
| 6  | Unified ON/OFF Controller ★4                                                                               | DCS301C71                  |                |
| 7  | Schedule Timer ★4                                                                                          | DST301BA61                 |                |
| 8  | Interface Adaptor for DIII-NET (Residential Air Conditioner)                                               | KRP928BB2S                 |                |
| 9  | Air-Purifying Filter with Photocatalytic Deodorizing Function<br>(without Frame) ★5                        | KAF952A42                  | —              |
| 10 | Titanium Apatite Photocatalytic Air-purifying Filter<br>(without Frame) ★5                                 | —                          | KAF970A46      |
| 11 | Remote Controller Loss Prevention with Chain                                                               | KKF910A4                   |                |

- Note:**
- ★1 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
  - ★2 A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
  - ★3 Timer clock and other devices ; obtained locally.
  - ★4 An interface adaptor (KRP928BB2S) is also required for each indoor unit.
  - ★5 Standard accessory

### CDXS, FDXS Series

|    | Option Name                                                                                                | 09/12 Class                | 15/18 Class |
|----|------------------------------------------------------------------------------------------------------------|----------------------------|-------------|
| 1  | Wired remote controller ★1                                                                                 | BRC944B2                   |             |
| 2  | Wired remote controller cord                                                                               | Length 3 m (shielded wire) | BRCW901A03  |
|    |                                                                                                            | Length 8 m (shielded wire) | BRCW901A08  |
| 3  | Centralized Control Board-up to 5 Rooms ★2                                                                 | KRC72                      |             |
| 4  | Wiring Adaptor for Timer Clock / Remote Controller ★3<br>(Normal Open Pulse Contact / Normal Open Contact) | KRP413AB1S                 |             |
| 5  | Central Remote Controller ★4                                                                               | DCS302C71                  |             |
| 6  | Unified ON/OFF Controller ★4                                                                               | DCS301C71                  |             |
| 7  | Schedule Timer ★4                                                                                          | DST301BA61                 |             |
| 8  | Interface Adaptor for DIII-NET (Residential Air Conditioner)                                               | KRP928BB2S                 |             |
| 9  | Suction Grille                                                                                             | KDG19A45                   |             |
| 10 | Insulation Kit for High Humidity                                                                           | KDT25N32                   | KDT25N50    |
| 11 | Remote Controller Loss Prevention with Chain                                                               | KKF910A4                   |             |

- Note:**
- ★1 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
  - ★2 A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
  - ★3 Timer clock and other devices ; obtained locally.
  - ★4 An interface adaptor (KRP928BB2S) is also required for each indoor unit.

## FFQ Series

|    | Option Name                                 | 09/12/15/18 Class        |
|----|---------------------------------------------|--------------------------|
| 1  | Decoration Panel (required)                 | BYFQ60B8W1U              |
| 2  | Remote Controller (required)                | Wired Type ★1            |
|    |                                             | BRC1E71/72               |
|    | Wireless Type                               | BRC7E830                 |
| 3  | Sealing Member of Air Discharge Outlet      | KDBH44BA60               |
| 4  | Panel Spacer                                | KDBQ44BA60A              |
| 5  | Fresh Air Intake Kit                        | Direct Installation Type |
|    | Longlife Filter                             | KDDQ44XA60               |
| 6  | Longlife Filter                             | KAFQ441BA60              |
| 7  | Central Remote Controller ★2                | DCS302C71                |
| 8  | Unified ON/OFF Controller ★2                | DCS301C71                |
| 9  | Schedule Timer ★2                           | DST301BA61               |
| 10 | Interface Adaptor for DIII-NET (SkyAir)     | DTA112BA51               |
| 11 | Adaptor for Wiring ★3                       | KRP1C75                  |
| 12 | Wiring Adaptor for Electrical Appendices ★3 | KRP4A74                  |
| 13 | Installation Box for Adaptor PCB            | KRP1BA101                |
| 14 | Remote Sensor                               | KRCS01-1B                |

- Note:** ★1 Wiring for wired remote controller should be obtained locally.  
 ★2 An interface adaptor (DTA112BA51) is also required for each indoor unit.  
 ★3 Installation box for adaptor PCB (KRP1BA101) is necessary.

## 1.2 Outdoor Unit

|   | Option Name                     | 2MXS18GVJU  | 3MXS24JVJU<br>4MXS32GVJU |
|---|---------------------------------|-------------|--------------------------|
| 1 | Drain Pan Heater                | KEH041A48   | KEH041A43                |
| 2 | Air Direction Adjustment Grille | KPW945A4    |                          |
| 3 | Drain Plug                      | KKP937A4 ★1 | KKP945A4 ★2              |

- Note:** ★1 5 pieces / 5 units  
 ★2 1 set / 1 unit

## 2. Optional Accessories

### 2.1 <BRC944B2> Wired Remote Controller

#### 2.1.1 Installation Manual

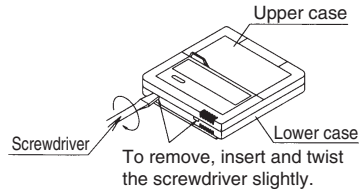
**⚠ CAUTION**

1. No switch box or staple is supplied. Prepare them locally.
2. No remote controller cord is supplied. Prepare the optional remote controller cord 4 wire.
3. Be sure to turn off the power to any apparatus connected prior to mounting.
4. Prior to mounting equipment, touch something metallic such as a doorknob to remove static electricity from your body. Never touch the remote controller board or the adapter board.
5. Keep the wiring away from any other power source lines to avoid electric noise (external noise).
6. Select a flat surface, wherever possible, to mount the remote controller. To prevent deformation of the cases, do not overtighten the mounting screws.

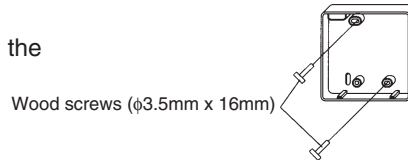
**1. Securing the remote controller lower case**

Insert a bladed screwdriver into the concave (凹) in the remote controller lower case to remove the upper case assembly (two locations).

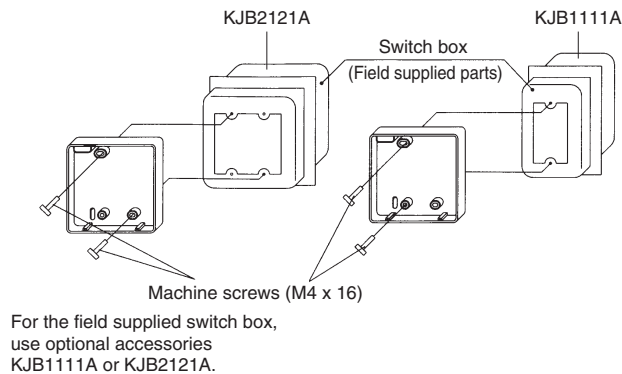
The remote controller board is located on the upper case. Take care not to scratch the board with the screwdriver.



- (1) Exposed mounting  
Secure the remote controller lower case with the two supplied wood screws.

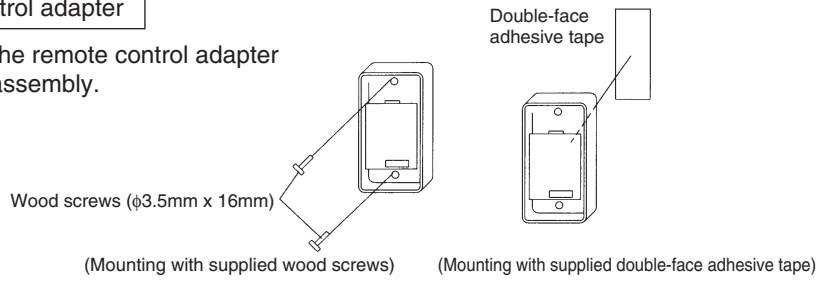


- (2) Embedded mounting  
Secure the remote controller lower case with the two supplied machine screws.

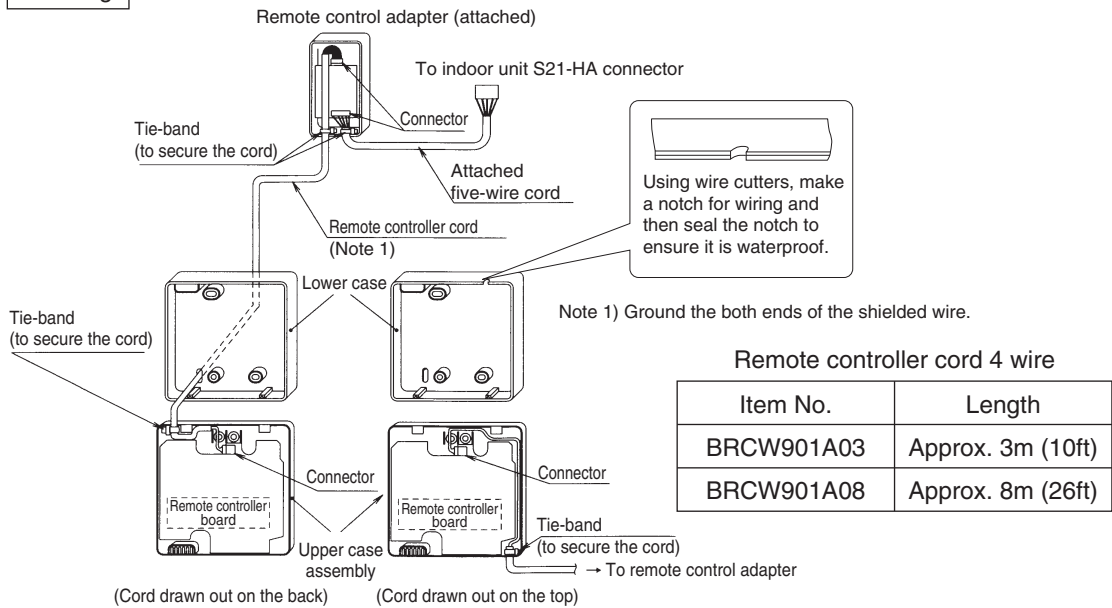


**2. Securing the remote control adapter**

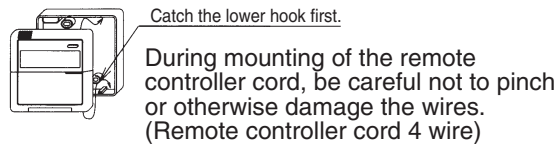
Remove the upper case of the remote control adapter and secure the lower case assembly.



**3. Wiring**




**4. Placing the upper case assembly of the remote controller and the upper case of the remote controller adapter back into their original positions**

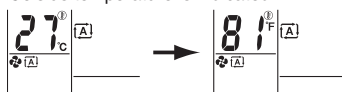


**5. Temperature indication change**

To change from Celsius temperature indication to Fahrenheit one

Press and hold down  at the same time for 5 seconds while the Celsius temperature is indicated.

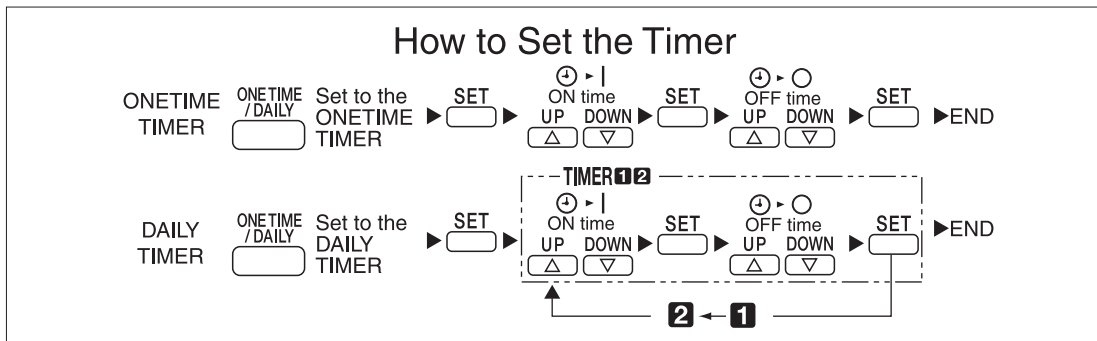
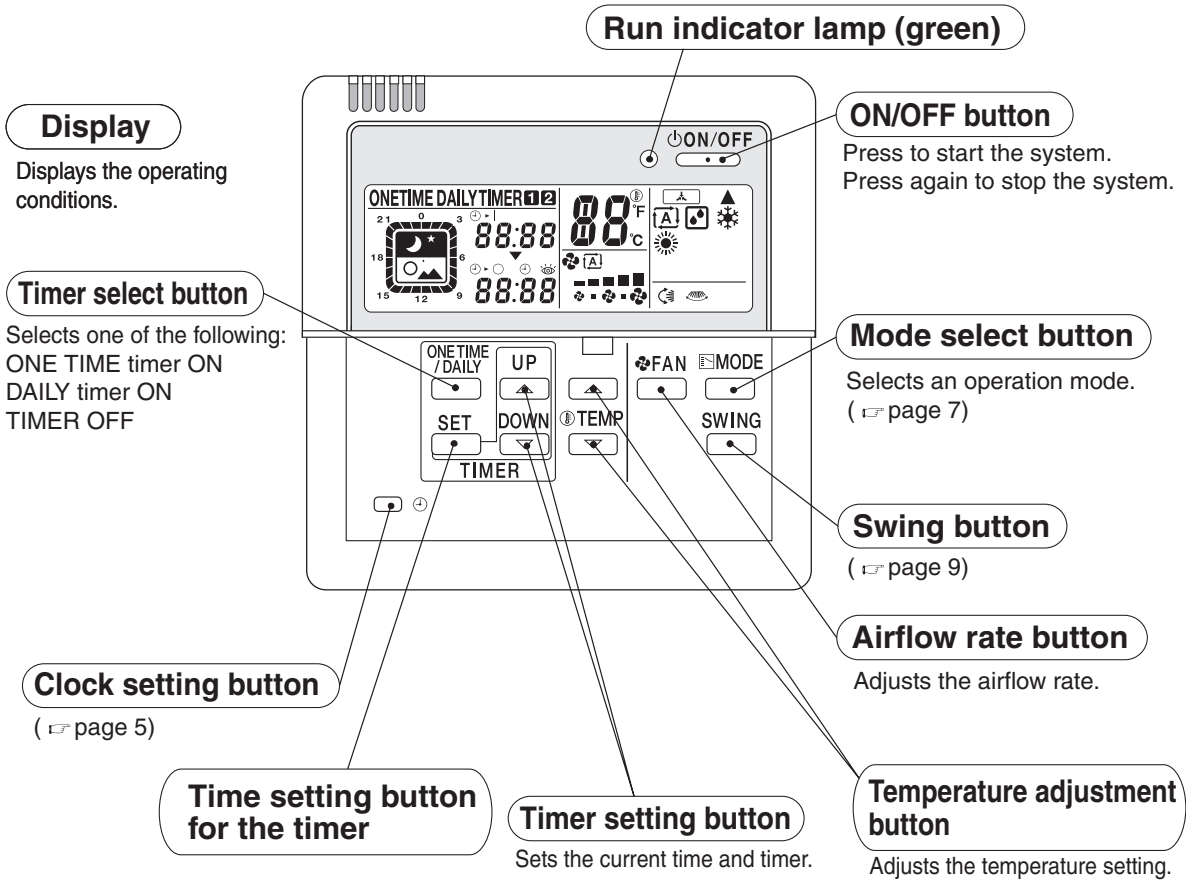
← See Operation Manual





2.1.2 Operation Manual

# Controller Commands and their Corresponding Functions



**CAUTION**


• This remote controller cannot be used together with a standard wireless remote controller. Otherwise, what appears on this remote controller's display may fail to correspond to actual operating conditions.

# Preparation before Operation

## ■ Checking the power


If nothing appears on the remote controller's display, turn on the circuit breaker.

## ■ Setting the current time

1 Press  .



The current time starts blinking.  
0:00 lights up.

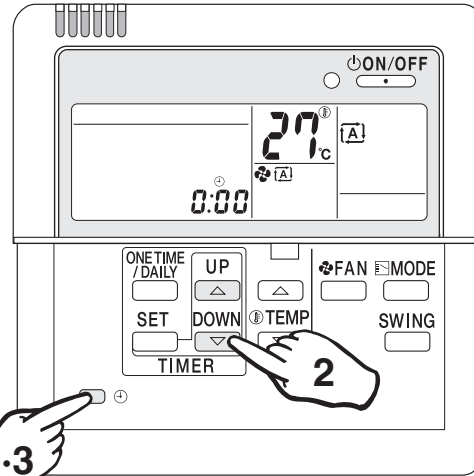
2 Press  and set the current time.



: blinks.

(This completes the current time setting)

- The clock's accuracy is ±30 seconds per month.



## Notes

### To use the unit efficiently

- Avoid overcooling or overheating. Moderate room temperature setting contributes to power saving.
 

Recommended temperature setting

For cooling ..... 26~28°C (79°F~82°F)

For heating ..... 20~22°C (68°F~72°F)
- Hang a blind or a curtain on the window. This will enhance the cooling/heating effect by intercepting direct sunlight and drafts.
- A clogged air filter reduces the cooling/heating effect and wastes energy. Clean the air filter monthly (every two weeks as required) or so.

### Please take note of the following points

- Electric power is consumed even when the air conditioner is not in operation.
- When the unit is not used for a long period of time such as during off-season, turn off the breaker.

### Operating conditions

- If the operation is continued under any conditions other than the following, the safety device may work to stop the operation. Also, dew may form on the indoor unit and drip from it. (Cooling/DRY)

|         |                 |                             |
|---------|-----------------|-----------------------------|
| Cooling | Outdoor temp.   | -10 to 46°C (14°F to 115°F) |
|         | Room temp.      | 18 to 32°C (64°F to 90°F)   |
|         | Indoor humidity | Less than 80%               |
| DRY     | Outdoor temp.   | -10 to 46°C (14°F to 115°F) |
|         | Room temp.      | 18 to 32°C (64°F to 90°F)   |
|         | Indoor humidity | Less than 80%               |
| Heating | Outdoor temp.   | -15 to 20°C (5°F to 68°F)   |
|         | Room temp.      | Less than 27°C              |


- Operation limit differ according to the model.

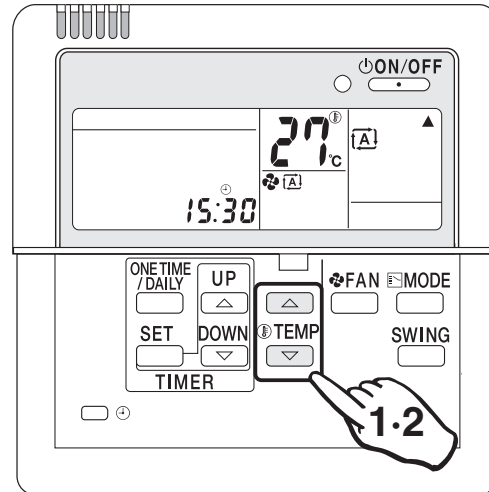
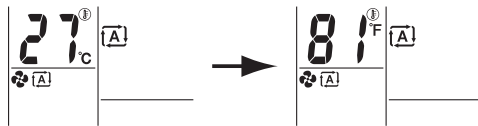
# Preparation before Operation

## ■ Setting Temperature Indication change


Temperature indication can be changed between Celsius and Fahrenheit before use.

### To change from Celsius temperature indication to Fahrenheit one

- 1 Press and hold down  at the same time for 5 seconds while the Celsius temperature is indicated.



### To change from Fahrenheit temperature indication to Celsius one

- 2 Press and hold down  at the same time for 5 seconds while the Fahrenheit temperature is indicated.



## Notes

### ■ Temperature indication change between Celsius and Fahrenheit on the remote controller

- Change the temperature indication in the modes other than the DRY mode.  
In the DRY mode, temperature indication setting cannot be changed because the temperature is not indicated.
- When the Fahrenheit temperature indication is changed to Celsius one, the temperature value (0.5°C) will be rounded up. Thus, the preset temperature may be changed.

#### Example:


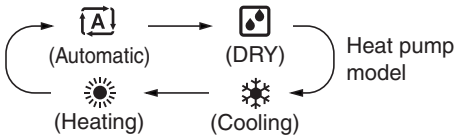
A preset temperature of 65°F (equivalent to 18.5°C) will be changed to 19°C (66°F) by changing the temperature indication. In this case, if you change the Celsius temperature indication again to the Fahrenheit one, the preset temperature is shown not as 65°F but as 66°F (equivalent to 19°C). If the preset temperature is 66°F (equivalent to 19°C) and is changed to the Celsius temperature indication, the indication becomes 19°C (66°F). In this case, no change by the temperature indication change is observed.

- When the temperature indication change is set, the preset temperature is transmitted to the indoor unit so that the reception sound will be heard from the indoor unit.

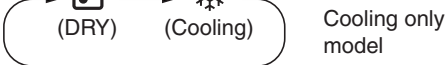
# Automatic·DRY·Cooling·Heating Operation

Select your desired operation mode.

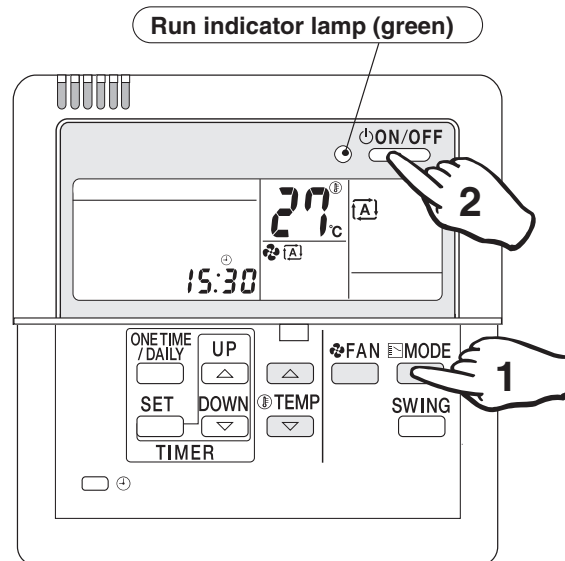
Once preset, the system can get restarted in the same operation mode.

- 1** Press  to select your desired operation mode.
- Each time the button is pressed, the mode changes as follows.
- 

Heat pump model



Cooling only model
- The system does not have the FAN mode.



- 2** Press  .
- The run indicator lamp lights up.

## ■ To stop the operation:

Press  again.

The run indicator lamp goes out.

### Automatic operation

- In Automatic, the temperature setting and operation mode (DRY, Cooling or Heating) are automatically selected according to the room temperature and outdoor temperature at the time of starting operation.

### DRY operation







- In this mode, humidity is removed from the air.



#### Note

- While running in the DRY mode, you may feel cool or warm air from the air outlet. In this case, readjust the airflow direction with the vertical airflow direction louvers. (except Duct Connected type)

■ To adjust the temperature and airflow rate:

| Setting to be adjusted / Operation mode                                                             | Automatic                                                                                                                                                                                                                                                                                                                                                                                                              | Cooling | Heating | DRY                              |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|----------------------------------|
| <br>(Temperature)  | Temperature is adjustable.<br>Recommended temperature<br>Cooling : 26°C-28°C (79°F~82°F)<br>Heating : 20°C-22°C (68°F~72°F)                                                                                                                                                                                                                                                                                            |         |         | Temperature cannot be adjusted.  |
| <br>(Airflow rate) | Five levels of airflow rate setting from "  " to "  " plus "  " are available.<br> |         |         | Airflow rate cannot be adjusted. |

- When the unit runs in the cooling or heating mode at a low airflow rate, the cooling or heating effect may be insufficient.

■ To adjust the airflow direction:

(  page 9)


**Heating operation**

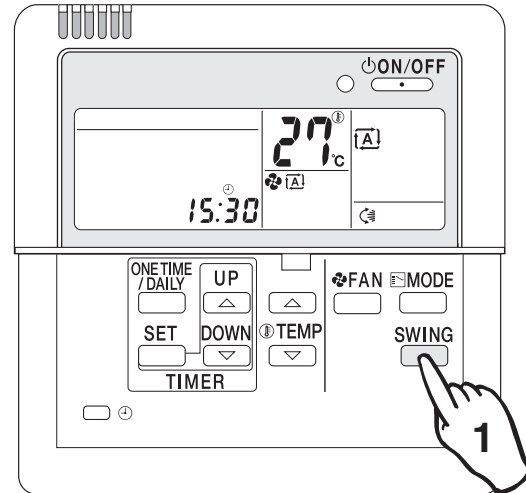
- Since the heating operation is performed by taking the heat from outdoor into the room, the heating capacity decreases as the outdoor temperature lowers. If the room is not heated sufficiently, it is recommended to use other heating appliance at the same time.
- Since the air conditioner heats the whole room by circulating hot air, it takes some time to heat the entire room completely.
- If the outdoor unit gets frosted during heating operation, the heating capacity is decreased. In this case, the unit starts defrosting operation.
- No hot air comes out of the indoor unit during defrosting operation.

# Adjusting Airflow Direction

Adjust the airflow direction for maximum comfort.

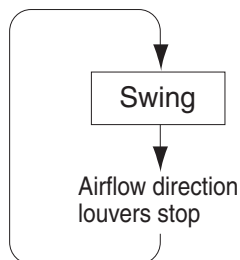
## To adjust the Airflow Direction

- 1 Press  during operation.
  - Each time the button is pressed, the airflow direction louvers change their movement.



4

## ■ Wall Mounted Types (without horizontal swing function)



The horizontal airflow direction louvers move up and down.

The louvers stop just when the button is pressed.

### Adjustment of horizontal airflow direction

- The automatic moving range of the horizontal airflow direction louvers varies depending on the operation mode.

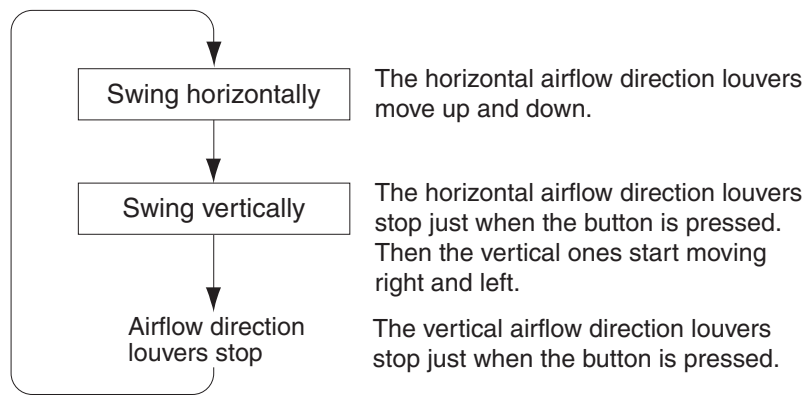


#### Notes

- In fixing the horizontal airflow direction, keep the horizontal airflow direction louvers tilted downward in the heating mode, and keep them nearly horizontal level in the cooling or DRY mode. This will enhance the cooling and heating effect.
- On the air conditioners with vertical and horizontal swing function, be sure to adjust the airflow directions using the remote controller. Do not forcibly adjust louvers by hand or a malfunction may occur.

9

## ■ Wall Mounted Type (with horizontal swing function)



- The vertical and horizontal louvers cannot move at the same time.

## ■ Duct Connected Type (without swing function)

This function cannot be used.



### Note


- The operating procedure and remote controller display are different depending on the indoor unit being connected. Read **How to Adjust the Airflow Direction** in the air conditioner's Operation Manual.

# Timer Operation

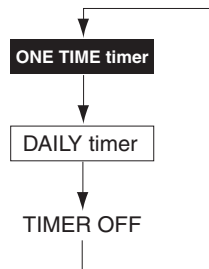
The Timer Operation feature automatically turns off operation when you go to sleep and turns it back on when you wake up.

Use the DAILY Timer mode on weekdays, and the ONE TIME timer mode on weekends.

## ■ To select the ONE TIME timer mode:


1 Press  to select the ONE TIME timer mode.

- Each time the button is pressed, the modes change as follows.



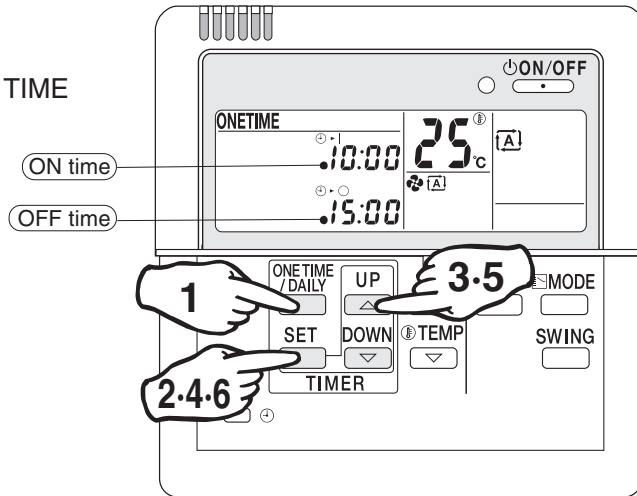
The timer lamp lights up.

## ■ To cancel the timer settings:

1 Press  to clear the timer settings.



The **ONE TIME** or **DAILY TIMER** disappears from the display, and the timer lamp goes out too.



(Timer settings displayed)



### Notes

- Even when the timer has been off, its programmed settings are still in memory.
- If the system has the timer control ON but you start and stop it manually using the ON/OFF button before the designated ON time, the system will restart again at the programmed ON time.

### Precautions in setting the timer

- Before starting the timer operation, make sure the current time is correct. If not, set the clock correctly. (☞ page 5)
- In making time settings, --:-- is displayed to make it easy to disable the timer too.
- If one minute has passed before making any timer setting, the previous timer settings are reintroduced and the timer is on standby.

In this case, use the  (time setting) button and make your desired timer settings.



### Timer operation


- When the ON timer is programmed, the system starts one hour (maximum) earlier so that the temperature set by the remote controller is reached just in time.
- When the ONE TIME timer is programmed, the current time is no longer displayed.




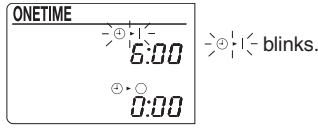
### ■ ONE TIME timer


Once the timer has been activated and then deactivated, it is in the OFF mode. The ON or OFF timers can be programmed.

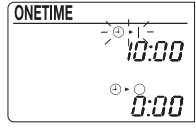
**1** Press  to select the ONE TIME timer. **4** Press  .

 light up.


**2** Press  .

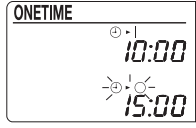
 blinks.


**3** Press  to make the ON timer setting.

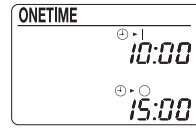
 When the ON timer is not used, save the setting as  $\odot \cdot | \text{---} \text{---}$

- Each time the button is pressed, the setting changes in a 10-minute increment or decrement. Hold the button down to advance quickly.

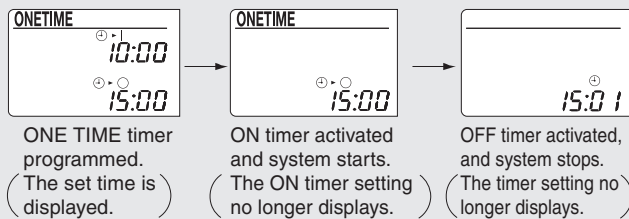
**5** Press  to make the OFF timer setting.

 When the OFF timer is not used, save the setting as  $\odot \cdot \text{---} \text{---} \text{---} \text{---}$ .

**6** Press  .  
(The ONE TIME timer is now programmed.)

 Both of the ON and OFF time cannot be set as  $\text{---} \text{---} \text{---} \text{---}$

#### Example of display with the ONE TIME timer programmed



ONE TIME timer programmed.  
(The set time is displayed.)

ON timer activated and system starts.  
(The ON timer setting no longer displays.)

OFF timer activated, and system stops.  
(The timer setting no longer displays.)




#### Notes

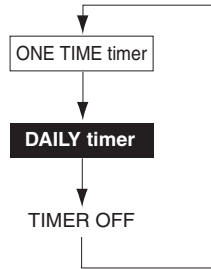
- In the following cases, reset the clock (the time setting is kept in the memory).
  - The circuit breaker has been activated.
  - The power fails.

# Timer Operation

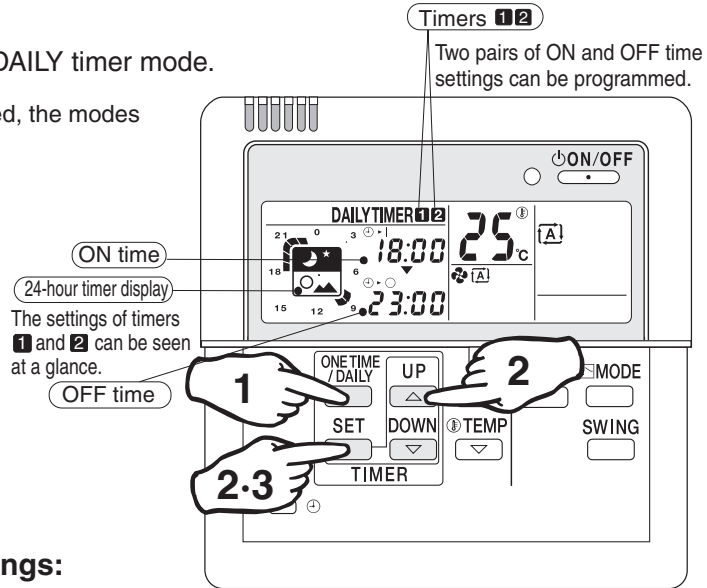
## ■ To select the DAILY timer mode:

1 Press  to select the DAILY timer mode.

- Each time the button is pressed, the modes change as follows.




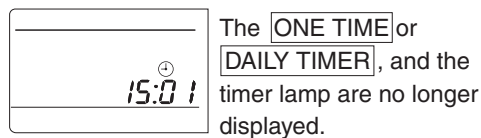
The timer lamp lights up.



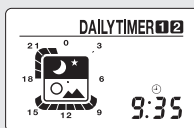
(Timer settings displayed)

## ■ To cancel the timer settings:

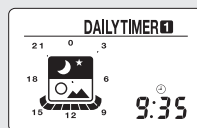
1 Press  to clear the timer settings.



### Example of display with DAILY timer programmed



Timers 1 and 2 programmed.



Timer 1 alone programmed.





### Note

- The system starts and stops repeatedly until the DAILY timer is set off. Before you leave home for a long time, set the DAILY timer off.




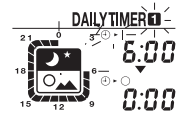
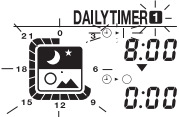
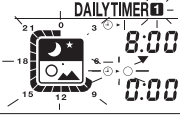
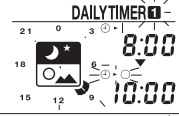
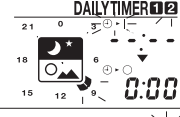
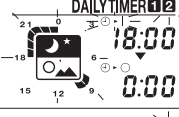
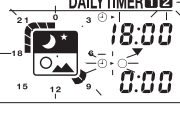
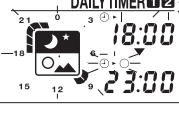
**■ DAILY timer**

After programming, the system starts and stops each day at the preset times. Two pairs of time settings can be programmed.

(Example: 8:00 ~ 10:00, and 18:00 ~ 23:00)

**1** Press  to select the DAILY timer.  lights up. DAILY timer indication appears.

**2** Make the ON and OFF time settings. • Take the steps from ① to ⑧.  
Program example: 8:00 ~ 10:00, and 18:00 ~ 23:00

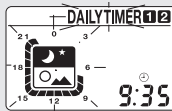
| Settings |                                                                                  | Procedure                                                                               |                                                                                                                                                                                                             |
|----------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                                                                  | Press  | Press  to make the timer setting.<br> |
| Timer 1  | ON time setting<br>• When the timer 1 is not used, save the setting as ①·①·--:-- | ①      | ②                                                                                                                        |
|          | OFF time setting                                                                 | ③     | ④                                                                                                                       |
| Timer 2  | ON time setting<br>• When the timer 2 is not used, save the setting as ②·②·--:-- | ⑤    | ⑥                                                                                                                      |
|          | OFF time setting                                                                 | ⑦    | ⑧                                                                                                                      |

**3** Press . The DAILY timer is now programmed.



**Note**

• If the following appears on the display, the timer must be reprogrammed.



The 24-hour timer display is blinking.

This means that Timers 1 and 2 are programmed for the same time settings. New time settings must be made.



The 24-hour timer display is blinking.

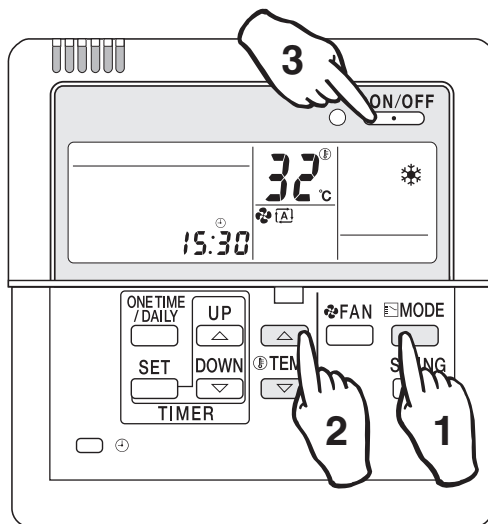
This means that the timer has not been programmed yet.

# Cleaning

## Cleaning the remote controller




- Wipe it clean with soft, dry cloth.  
Do not use any water hotter than 40°C (104°F), or volatile liquids such as benzine, gasoline and thinner, polishing powder, or anything hard such as a scrub brush.

## When the unit is not used for a long time



- ① On a sunny day, keep the system running for half a day in the FAN mode to dry it up inside.



### FAN mode

- 1 Press  to select the cooling mode.
  - 2 Press  to adjust the set temperature to 32°C (90°F).
  - 3 Press  .
    - The airflow rate remains the same, and is not adjustable.
    - Run the system when the room temperature is below 28°C (82°F).
- ② Finally turn off the circuit breaker dedicated for the room air conditioner.
  - ③ Clean the air filter and place it back into position.

## 2.2 <KRP413AB1S> Wiring Adaptor for Timer Clock / Remote Controller

### Safety Precautions

- Read these safety precautions carefully before installing the unit, and be sure to install the unit properly.
- This manual classifies precautions to the user into the following two categories. These warnings and cautions are for your safety. Follow them.

|                                                                                                  |                                                                                                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|  <b>WARNING</b> | Faulty installation can result in death or serious injury.                                           |
|  <b>CAUTION</b> | Faulty installation can result in serious injury, damage to property, or other serious consequences. |

- After installation is complete, test the unit to confirm that it is working properly, and instruct the owner its proper use.

### WARNING

- Installation should be left to the dealer from whom you purchased the unit, or another qualified professionals.
- Install the unit securely according to the installation manual. Faulty installation may lead to electric shock or fire.
- Be sure to use the supplied or specified parts. Using other parts may lead to electric shock or fire.
- Install the unit securely in a location that will support its weight. If installed in a poor location or improperly installed, the unit may not work as intended.
- For electrical work, follow local electric standards and the installation manual. Faulty installation may lead to fire or electric shock.
- Do not bundle the power cord, or attempt to extend it by splicing it with another cord or by using an extension cord. Do not place any other load on the power circuit used for the unit. Improper wiring may lead to electric shock, heat generation or fire.
- Use dedicated wiring for all electrical connections, and be sure to arrange the wiring so that force applied to the wiring will not damage the terminals. Poor wiring or installation may cause electric shock, heat generation or fire.

### CAUTION

- Before installation, unplug the air conditioner to ensure safety. Failure to do so may cause electric shock.
- Static electricity may damage electric components. Before connecting cables and communication lines, and operating the switches, be sure to discharge any electrical charge from your body (by, for example, touching the earth line)
- Do not install the unit in a location where it may be exposed to flammable gases. If gas leaks and build up around the unit, it may catch fire.
- Do not place the wiring close to the power cord, inter-unit cable, or pipes which generate noise. Treat the wiring with care.

### 1. Functions and Features

- On/Off setting
- Switching between Instantaneous Contact/Normal Contact
- Connection with five-room central controller (KRC72 for oversea model)
- Connection with fan coil remote controller
- Automatic reset after power failure
- Output of normal operation signals/malfunction signals

### 2. Field Wiring

For interconnecting wiring, use Daikin KDC100A12 cable (not supplied) or other similar cable. Use a vinyl-covered wire or cable with four conductors each with a thickness of 0.2 to 1.25 mm<sup>2</sup>.

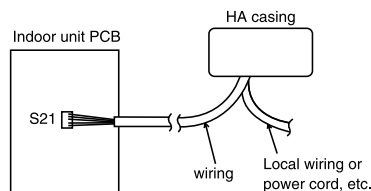
#### ■ Optional cable KDC100A12 (without connectors)

Specifications: 0.2 mm<sup>2</sup> × 4 core (sheathed)  
 Outer diameter: φ5.3  
 Length: 100 m  
 Colour: Grey

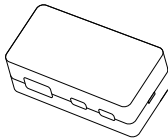
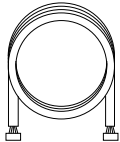
Note : Keep any wiring for the control unit away from the power cord to prevent electrical noise.

## Installation ①

### 1 Installation diagram



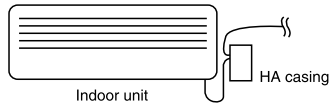
### 2 Components

|                                                                                                                                                               |                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| ①HA casing ASSY<br>(Remote Control PCB is attached in the HA casing.)<br> | ②Wiring (approx. 0.8 m)<br> |
| ③Accessories<br>Binding band (6 pcs.)<br>• Screws for attaching to the wall (3 pcs.)                                                                          |                                                                                                                  |
| ④Installation manual                                                                                                                                          |                                                                                                                  |

## Installation ②

### Attaching HA Case ASSY

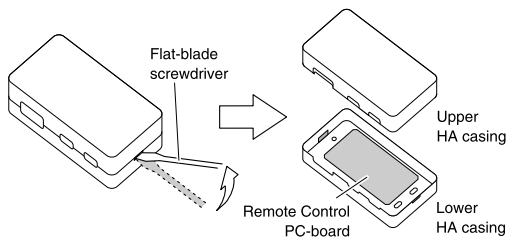
- Use the 3 supplied screws to attach the HA casing ASSY.



Install the HA casing ASSY as close to the indoor unit as possible.

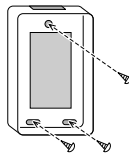
#### ① Removal of upper HA casing

- (1) Insert a flat-blade screwdriver into the groove between the upper and lower HA casings.



- (2) Lift the handle of the screwdriver upward.

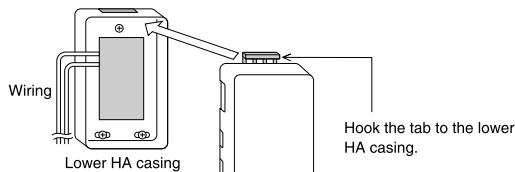
- ② Mount and secure the lower HA casing directly on the wall with the provided screws inserted into the screw holes (a round hole and two ellipse holes) of the casing.



#### NOTE

Mount the HA casing in a direction where the wiring through-holes will be hidden in order to prevent infants from putting their fingers into the HA casing and the LED light on the internal PC-board from leaking outside.

- ③ After connecting the cables (refer to the following sections), replace the case front. Be careful not to damage the wiring in the case.



Press the lower part of the upper HA casing and press fit it onto the lower HA casing.  
Press the upper HA casing precisely until a clicking sound is heard.

## Wiring ①

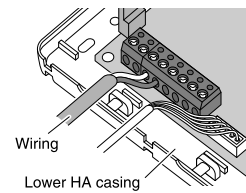
### 1. Wiring

- ① Connect one end of the wiring to connector S21 of the PCB in the indoor unit.
- ② Connect the other end of the wiring to connector S6 of the Remote Control PCB.
- ③ Connect field wiring according to the functions assigned to each connection terminal of the Remote Control PCB.
- ④ Secure all wires.

#### 1 Securing wires in the HA casing ASSY

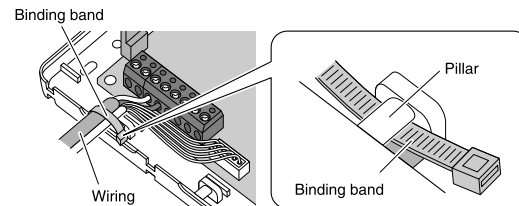
##### ① Connection of wiring

Connect the wiring to the connector terminals.

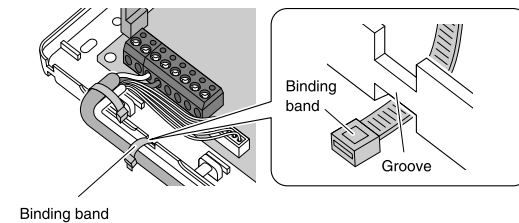


##### ② Fixation of wiring

- (1) Insert the provided binding band under the pillar of the HA casing and secure the covers of the wiring with the binding band.



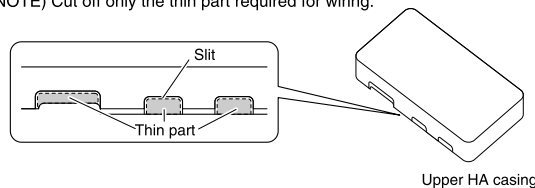
- (2) Insert the second binding band into the groove on the side of the HA casing and fix the wiring securely so that the wiring will not be disconnected.



#### A large number of wires

Make a slit with an appropriate tool, such as a cutter knife, on the thin part of the upper HA casing along the frame. Then cut the part with an appropriate tool, such as a pair of nippers.

(NOTE) Cut off only the thin part required for wiring.



#### 2 Securing wires in the indoor unit

- The method for securing wire varies depending on the model of the air conditioner. See your air conditioner installation manual for details.

## Wiring ②

### 2. Automatic Reset After Power Failure

- This PCB stores the following data in the event of a power failure (the storage period is limitless).
  - ① On/Off (see Note 1)
  - ② Operation modes (see Note 2)
  - ③ Temperature setting
  - ④ Air flow rate
  - ⑤ On/Off status of remote controller
 (Note 1 When SW1-2 is in Off mode, the unit will not be activated.)  
 (Note 2 The following settings apply to the models below.)

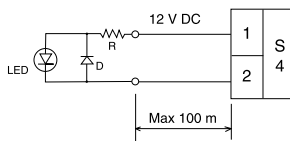
| Mode before the power outage                                     | COOLING     | HEATING       |
|------------------------------------------------------------------|-------------|---------------|
| Room air conditioner                                             |             |               |
| Models with Humid heating and Reheating dehumidifying functions. | DRY COOLING | HUMID HEATING |
| Models with Reheating dehumidifying function.                    |             | HEATING       |

(Note 3 Not all settings will be saved (e.g., humidity or swing settings will not be saved).)

### 3. Monitor Signal Output (normal operation and malfunction)

- Maximum length of the wiring is 100 m. No external power supply is required.

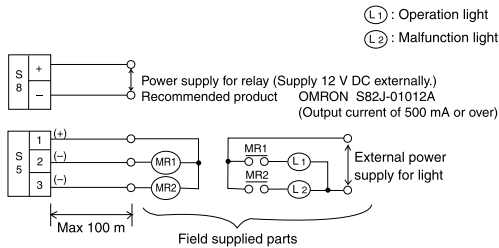
#### 1 Monitor signal output for LED



#### ■ Locally procured parts

| Item | Manufacturer | Type         |
|------|--------------|--------------|
| LED  | Rohm         | SLR-342      |
| D    | Rohm         | 1SS133       |
| R    |              | 510 ohm 1/4W |

#### 2 Monitor signal output (normal operation and malfunction) using external relay contacts



#### ■ Field procured parts (Recommended external relay contacts)

| Manufacturer | Type     | Coil rated voltage | Coil resistance |
|--------------|----------|--------------------|-----------------|
| Omron        | MY relay | 12 V DC            | 160 ohm ± 10%   |
| Panasonic    | HC relay | 12 V DC            | 160 ohm ± 10%   |

### 4. Connection with Remote Controller

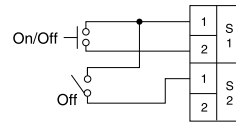
Example connections with three kinds of remote controllers are shown below. Note: These connections cannot be used in combination.

#### 1 Remote control with switch (field supply)

- Set SW1-1 to Off and select Operation Mode 1.

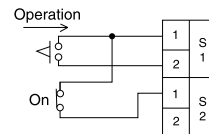


#### <Instantaneous Contact>



- The remote controller most recently used (local or air conditioner) takes precedence.
- Use a remote controller with a pulse width of 100 msec or more.

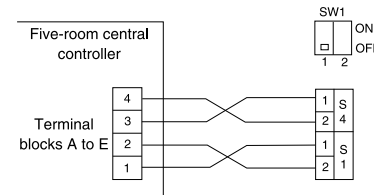
#### <Normal Contact>



- Power On/Off cannot be controlled from the unit's remote controller. (Three beeps for signal reception will be heard continuously when the wireless remote controller is operated.)
- When power is restored after a power failure in this mode, On or Off is determined according to the current settings of the remote controller.

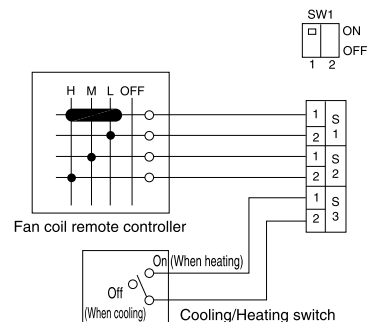
#### 2 Five-room central controller (KRC72)

- Set SW1-1 to Off and select Operation Mode 1.
- The remote controller most recently used takes precedence.



#### 3 Fan coil remote controller

- Set SW1-1 to On and select Operation Mode 2.
- Most settings (power On/Off, air flow rate, mode change) cannot be made using the air conditioner's remote controller.
- When power is restored after a power failure in this mode, On or Off is determined according to the current settings of the remote controller.
- When the Cooling/Heating mode is changed, use the air conditioner's remote controller to adjust the temperature.

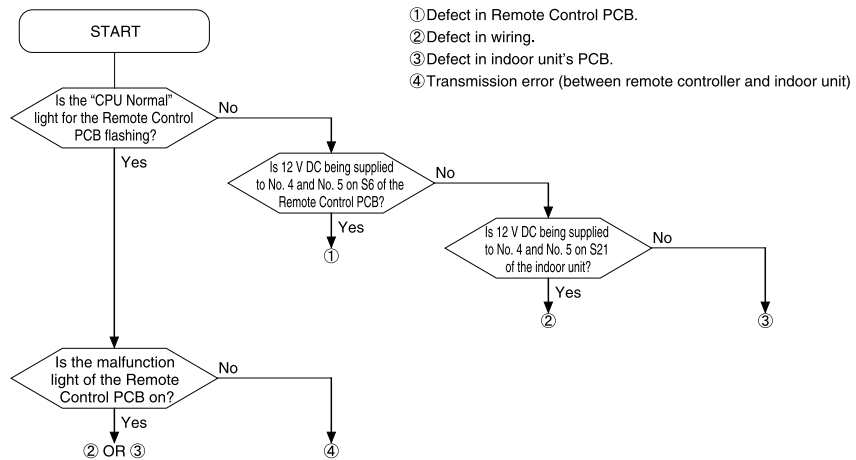


## Test Operation and Confirmation

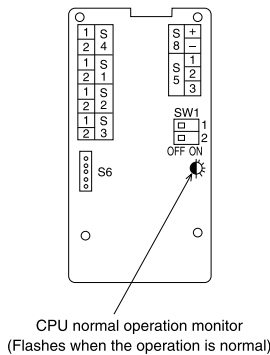
### 1. When the System is Not Working

- Is the air conditioner working properly?
- Are the connectors of the wiring properly connected?
- Are the remote controller and field wiring properly connected?
- Are all switch settings correct?
- If there is nothing apparently wrong, conduct a diagnostic check using the following procedure.

■ Diagnostic check



### 2. Switch Settings and Connection Terminals



|                |                                                               |                                                            |                                                                                                            |                       |                                         |  |
|----------------|---------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|--|
| SW1-1          | Selecting the operation mode                                  | OFF                                                        | Operation mode 1 (Used with the exception of fan coil remote controller settings)                          |                       |                                         |  |
|                |                                                               | ON                                                         | Operation mode 2 (Used with fan coil remote controller settings)                                           |                       |                                         |  |
| SW1-2          | Selecting On/Off when power is restored after a power failure | OFF                                                        | Always Off                                                                                                 |                       |                                         |  |
|                |                                                               | ON                                                         | Off if operation was in Off mode before power failure; On if operation was in On mode before power failure |                       |                                         |  |
| S1<br>S2<br>S3 | SW1-1: OFF<br>(Operation mode 1)                              |                                                            |                                                                                                            | Instantaneous contact | Normal contact                          |  |
|                |                                                               | S1 (1) - S2 (1)                                            | OPEN                                                                                                       | CLOSE                 |                                         |  |
|                |                                                               | S1 (1) - S1 (2)                                            | Pulse input<br>On/Off switching                                                                            |                       | OPEN, Not activated<br>CLOSE, Activated |  |
|                |                                                               | S2 (2), S3                                                 | Not used                                                                                                   |                       |                                         |  |
|                |                                                               | S1, S2 OPEN                                                | Not activated                                                                                              |                       |                                         |  |
|                | SW1-1: ON<br>(Operation mode 2)                               | S1 (1) - S1 (2) CLOSE                                      | On, airflow: L tap                                                                                         |                       |                                         |  |
|                |                                                               | S1 (1) - S2 (1) CLOSE                                      | On, airflow: M tap                                                                                         |                       |                                         |  |
|                |                                                               | S1 (1) - S2 (2) CLOSE                                      | On, airflow: H tap                                                                                         |                       |                                         |  |
|                |                                                               | S3 (With the remote controller only)                       | OPEN                                                                                                       | Cooling               |                                         |  |
|                |                                                               |                                                            | CLOSE                                                                                                      | Heating               |                                         |  |
| S4             | (1) - (2)                                                     | Voltage on (12 V DC), normal operation light output        |                                                                                                            |                       |                                         |  |
| S5             | (1) - (2)                                                     | Normal operation light output (power for light required)   |                                                                                                            |                       |                                         |  |
|                | (1) - (3)                                                     | Malfunction light output (power for light required)        |                                                                                                            |                       |                                         |  |
| S6 connector   |                                                               | Connect with connector S21 on the PCB of the indoor unit   |                                                                                                            |                       |                                         |  |
| S8             | (+ ) - (- )                                                   | Relay 12 V DC power supply terminal (Field supplied parts) |                                                                                                            |                       |                                         |  |



## 2.3 <KRP928BB2S> Interface Adaptor for DIII-NET (Residential Air Conditioner)

### Safety Precautions

- Read these Safety Precautions carefully to ensure correct installation. This manual classifies precautions into WARNING and CAUTION.
  - WARNING** : Failure to follow WARNING is very likely to result in such grave consequences as death or serious injury.
  - CAUTION** : Failure to follow CAUTION may result in serious injury or property damage, and in certain circumstances, may result in a grave consequence.
- Be sure to follow all the precautions below ; they are all important for ensuring safety.

**WARNING**

- Installation should be left to the dealer or another qualified professional.**  
Improper installation by yourself may cause malfunction, electrical shock, or fire.
- Install the set according to the instructions given in this manual.**  
Incomplete or improper installation may cause malfunction, electrical shock, or fire.
- Be sure to use the standard attachments or the genuine parts.**  
Use of other parts may cause malfunction, electrical shock, or fire.
- Disconnect power to the connected equipment before starting installation.**  
Failure to do so may cause malfunction, electrical shock, or fire.

**CAUTION**

- A ground fault circuit interrupter / an earth leakage circuit breaker should be installed.**  
If the breaker is not installed, electrical shock may occur.
- Do not install the set in a location where there is danger of exposure to inflammable gas.**  
Gas accumulated around the unit at the worst may cause fire.
- To prevent damage due to electrostatic discharge, touch your hand to a nearby metal object (doorknob, aluminum sash, etc.) to discharge static electricity from your body before touching this kit.**  
Static electricity can damage this kit.
- Lay this cable separately from other power cables to avoid external electrical noises.**

- After installation is complete, test the operation of the PCB set to check for problems, and explain how to use the set to the end-user.

### 1. Overview, Features and Compatible Models

This kit is the interface required when connecting the central controller and a Room Air Conditioner. Use of the central controller makes it possible to perform the following monitoring and operations. It is compatible with room air conditioners which have an HA connector S21.


- Run / stop for the central controller and wired remote controller, operating mode selection, and temperature can be set.
- The operating status, any errors, and the content of those errors can be monitored from the central controller and wired remote controller.
- Run / stop for the central controller and wireless remote controller, operating mode selection, and the temperature setting can be limited by the central controller.
- Zone control can be performed from the central controller.
- The unit can remember the operating status of the air conditioner before a power outage and then start operating in the same status when the power comes back on.
- Card keys, operating control panels, and other constant / instantaneous connection-compatible equipment can be connected.
- The Operating / error signals can be read.
- The indoor temperature can be monitored from the Intelligent Touch Controller.

#### Precaution

- When reading the Operating / error signals, a separate external power source (12 V DC) is needed.
- A separate timer power source (16 V DC) is needed when using the schedule timer independently, and not in conjunction with other central controllers.
- The range of temperatures that can be set from the central controller is 18°C to 32°C in cooling and 14°C to 28°C in heating.
- Fan operation cannot be selected from the central controller or wired remote controller.
- Group control (i.e., control of multiple indoor units with a single remote controller) is not available.
- Monitoring is not available of the thermo status, compressor operating status, indoor fan operating status, electric heater, or humidifier operating status.
- Forced thermo off, filter sign display and reset, fan direction and speed settings, air conditioning fee management, energy savings instructions, low-noise instructions, and demand instructions cannot be made.

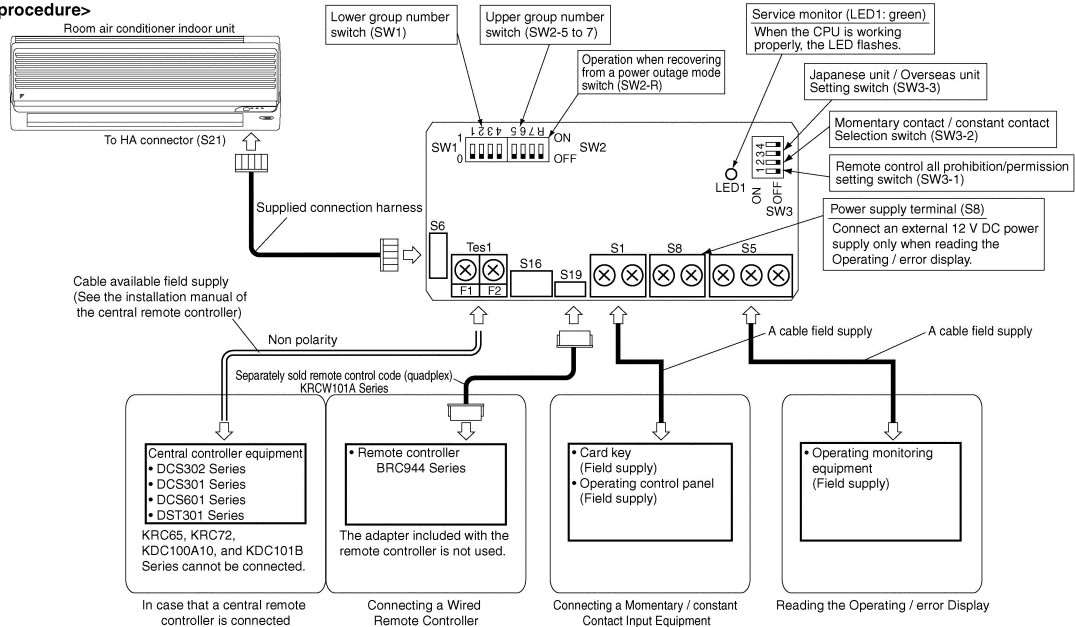
### 2. Component Parts

This kit includes the following components. Check to ensure that none of these are missing.

| Parts                                                                               | Q'ty | Parts                           | Q'ty  |
|-------------------------------------------------------------------------------------|------|---------------------------------|-------|
| Kit assy<br>PCB is in the housing.                                                  | 1    | Connection harness (about 1.6m) | 1set  |
|  |      | Mounting screws                 | 3pcs. |
|                                                                                     |      | Binding band                    | 6pc.  |
|                                                                                     |      | Installation manual             | 2set  |

### 3. Names of Parts and Electric Wiring

#### <Wiring procedure>



4. Switch Settings

**NOTE** Turn the power on after all the switches have been set. Settings made while the power is on are invalid.

Open the Kit's case and set the switches on the circuit board.  
 (1) For Overseas / Japanese unit setting (SW3-3)  
 Room air conditioners, different methods are used for setting the temperature in automatic mode, so this switch needs to be set.

| Destination | SW3-3 setting         | What Happens                                                                                                                                                                                                                                                                                 |
|-------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Japan       | OFF (Factory setting) | • "Automatic" operation is not available from the central controller. When using "automatic" operation using the wireless remote controller, the central controller displays automatic cooling (heating) and 25°C. Even if the temperature is changed, it will return to 25°C after a while. |
| Overseas    | ON                    | • "Automatic" operation is available from the central controller.                                                                                                                                                                                                                            |

(2) Group number settings (SW1 and SW2-5 to SW2-7)  
 Set these when using the central controller. (Set to the **■** side.) Do not set more than one unit to the same number.  
 Use SW2-R for (3) Settings when recovering from a power outage.

However, these settings do not need to be made when using the schedule timer independently. (The settings are needed when used in conjunction with another DCS Series central controller.)  
 In this case, the schedule timer performs an auto address after the power is turned on, so new group numbers are automatically set. Settings made using the switches will be overwritten.

| Upper group NO. | Knob position | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
|-----------------|---------------|----|----|----|----|----|----|----|----|
| SW2 setting     | OFF           |    |    |    |    |    |    |    |    |
| Lower group NO. |               | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| SW1 setting     | OFF           |    |    |    |    |    |    |    |    |
| Lower group NO. |               | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
| SW1 setting     | OFF           |    |    |    |    |    |    |    |    |

**NOTE** also that a separate timer power source is needed when using the schedule timer independently.  
 Power source specs: 16 V DC, +10%, -15%, 200mA.

(3) Settings when recovering from a power outage (SW2-R)  
 This selects whether to restart operation when the power comes back on after a power outage occurred during operation. This setting is given priority in cases where the indoor unit has an auto start ON / OFF jumper. Note also that regardless of whether switch SW2-R is on or off, the operating mode (NOTE), set temperature, fan direction and speed settings, and remote control prohibition status are stored.

| SW2-R setting         | What Happens                                                                      |
|-----------------------|-----------------------------------------------------------------------------------|
| OFF (Factory setting) | Stops after recovering from a power outage                                        |
| ON                    | Stops if the unit was stopped before the power outage and runs if it was running. |

(NOTE) The following settings apply to the models below.

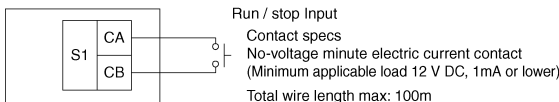
| Mode before the power outage                                     | COOLING     | HEATING       |
|------------------------------------------------------------------|-------------|---------------|
| Room air conditioner                                             |             |               |
| Models with Humid heating and Reheating dehumidifying functions. | DRY COOLING | HUMID HEATING |
| Models with Reheating dehumidifying function.                    |             | HEATING       |

(4) Contact input function settings (SW3-1 to SW3-2)  
 When using contact input (S1), choose one of the following functions.

| S1 operating mode                               | SW3-1 setting | SW3-2 setting | What Happens                                                                                           | Control mode                                                                      |
|-------------------------------------------------|---------------|---------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Instantaneous contact input (factory setting)   | OFF           | OFF           | The operating status of the air conditioner is reversed by an instantaneous input of 100 msec or more. | Last command priority                                                             |
| Constant contact input                          | OFF           | ON            | Contact - Open to close: air condition runs. Close to open: air conditioner is stopped (NOTE 1).       | ON / OFF control is rejected (operate / stop / timer prohibition) (NOTE 2).       |
| Remote control all prohibition/permission input | ON            | Invalid       | Contact - Open to close: air condition stops. Close to open: no change in operating status.            | All remote controller actions are prohibited when the contact is closed. (NOTE 3) |

**NOTE1:** Since central equipment uses last command priority, the contact status and operating status of the air conditioner might not match sometimes.  
 Example: If the unit is run from the central controller while the air conditioner is stopped with an open contact, the contact will be open and the unit will be running.

**NOTE2:** Operating mode and fan direction and speed settings can be changed.  
**NOTE3:** If the contact is closed while the ON timer is set, as the power ON timer function is still operating, the operation starts at the time specified by the timer. To prevent operation of the power ON timer, use of the (KRP413AB1S) remote control PC-board set is recommended. However, note that it cannot be used in tandem with the central controller.



5. Control Codes

When using a central remote controller, the operating codes can be used to limit operation from wireless remote controllers. Three beeps for signal reception will be heard continuously when the wireless remote controller is operated while in central control.  
 ○ : permitted; × : prohibited

| S1 operating mode                            | Control mode                                     | Control code         | Operations from the remote controller     |      |                            |                                            |             |      | Operations from central controller and contact input |                             |
|----------------------------------------------|--------------------------------------------------|----------------------|-------------------------------------------|------|----------------------------|--------------------------------------------|-------------|------|------------------------------------------------------|-----------------------------|
|                                              |                                                  |                      | "Run" control from the central controller |      |                            | "Stop" control from the central controller |             |      |                                                      |                             |
|                                              |                                                  |                      | Run / timer                               | Stop | Operating mode temperature | Fan direction and fan speed                | Run / timer | Stop | Operating mode temperature                           | Fan direction and fan speed |
| Instantaneous contact mode                   | ON / OFF control is rejected                     | 0,1,3<br>10,11       | ×                                         | ×    | ○                          |                                            | ×           | ×    | ○                                                    |                             |
|                                              | Only OFF control is accepted                     | 2<br>12-19           | ×                                         | ○    | ×                          |                                            | ×           | ○    | ×                                                    |                             |
|                                              | Central priority                                 | 4<br>5               | ○                                         | ○    | ○                          |                                            | ×           | ×    | ○                                                    |                             |
|                                              | Last command priority                            | 6,7<br>8             | ○                                         | ○    | ○                          |                                            | ○           | ○    | ○                                                    |                             |
|                                              | Timer operation is accepted by remote controller | 8<br>9               | ○*                                        | ○*   | ○*                         | ○                                          | ×           | ×    | ×                                                    | ○                           |
| Constant contact mode                        |                                                  | 2,10-19<br>0,1,3,5-7 |                                           |      | ×                          |                                            |             |      | ×                                                    |                             |
|                                              |                                                  | 4                    | ×                                         | ×    |                            |                                            | ×           | ×    |                                                      |                             |
|                                              |                                                  | 8                    |                                           |      | ○*                         |                                            |             |      | ×                                                    |                             |
|                                              |                                                  | 9                    |                                           |      | ○*                         |                                            |             |      | ○                                                    |                             |
| All remote controller actions are prohibited |                                                  |                      | ×                                         | ×    | ×                          | ×                                          | ×           | ×    | ×                                                    | ×                           |

\*Only during timer operation

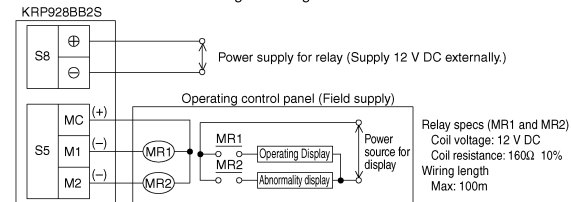
The remote controller permission / prohibition settings using the Intelligent Touch Controller are as follows.  
 ○ : permitted; × : prohibited

| S1 pin operating mode                        | Intelligent Touch Controller settings |                       |                        | Operations from the remote controller |      |                            | Operations from central controller and contact input |
|----------------------------------------------|---------------------------------------|-----------------------|------------------------|---------------------------------------|------|----------------------------|------------------------------------------------------|
|                                              | Start / stop                          | Change operating mode | Change set temperature | Run / timer                           | Stop | Operating mode temperature |                                                      |
| Instantaneous contact mode                   | ON / OFF control is rejected          | permitted             | permitted/prohibited   | ×                                     | ×    | ○                          |                                                      |
| Constant contact mode                        |                                       | prohibited            | permitted/prohibited   | ×                                     | ×    | ×                          |                                                      |
| Instantaneous contact mode                   | Only OFF control is accepted          | permitted             | permitted              | ×                                     | ×    | ○                          |                                                      |
|                                              |                                       | prohibited            | prohibited             | ×                                     | ×    | ×                          |                                                      |
| Constant contact mode                        |                                       | permitted             | permitted/prohibited   | ×                                     | ×    | ○                          |                                                      |
|                                              |                                       | prohibited            | prohibited             | ×                                     | ×    | ×                          |                                                      |
| Instantaneous contact mode                   | Last command priority                 | permitted             | permitted/prohibited   | ×                                     | ×    | ○                          |                                                      |
|                                              |                                       | prohibited            | permitted/prohibited   | ×                                     | ×    | ×                          |                                                      |
| Constant contact mode                        |                                       | permitted             | permitted/prohibited   | ×                                     | ×    | ×                          |                                                      |
|                                              |                                       | prohibited            | permitted/prohibited   | ×                                     | ×    | ×                          |                                                      |
| All remote controller actions are prohibited |                                       |                       |                        | Does not affect settings              | ×    | ×                          | ×                                                    |

6. Read Operating / Error Display Signal

The Operating / error signals can be read from the contact output (S5).  
 Output specs

- M1: Turn MR 1 ON when the air conditioner is running.
- M2: Turn MR 2 when a communication error has occurred between the KRP928BB2S and the air conditioner, or MR 1 is ON and the unit has stopped after an error. MR 2 is not turned ON during a warning.



7. Combining Equipment

The central controller can be combined with the following devices.

|                            | Central Remote Controller | ON / OFF controller | Schedule timer | D-BIPS | Contact input | Wired Remote Controller | Wireless Remote Controller |
|----------------------------|---------------------------|---------------------|----------------|--------|---------------|-------------------------|----------------------------|
| Central Remote Controller  | ○                         | ○                   | ○              | ○      | ○             | ○                       | ○                          |
| ON / OFF controller        | ○                         | ○                   | ○              | ○      | ○             | ○                       | ○                          |
| Schedule timer             | ○                         | ○                   | ×              | ×      | ○             | ○                       | ○                          |
| D-BIPS                     | ○                         | ○                   | ×              | ×      | ○             | ○                       | ○                          |
| Contact input              | ○                         | ○                   | ○              | ○      | ×             | ○                       | ○                          |
| Wired Remote Controller    | ○                         | ○                   | ○              | ○      | ○             | ×                       | ×                          |
| Wireless Remote Controller | ○                         | ○                   | ○              | ○      | ○             | ×                       | ○                          |

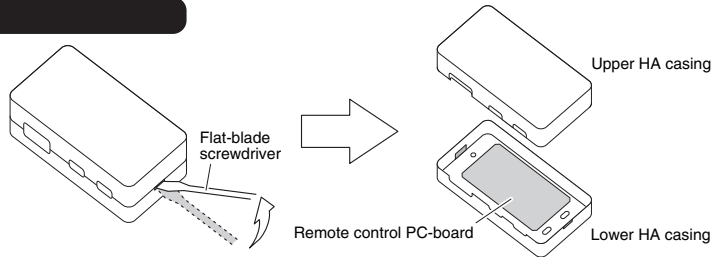
3P248024-1C

Connection to Remote Control PC-board

**Connection to Remote Control PC-board**

**1. Removal of upper HA casing**

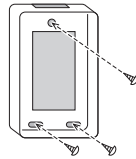
① Insert a flat-blade screwdriver into the groove between the upper and lower casings.



② Lift the handle of the screwdriver upward.

**2. Securing of lower HA casing**

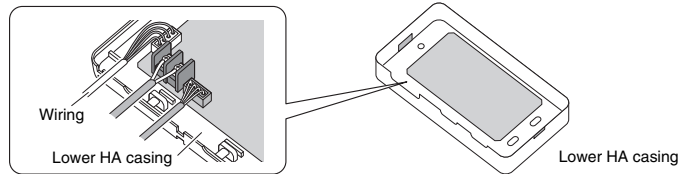
Mount and secure the lower HA casing directly on the wall with the provided screws inserted into the screw holes (a round hole and two ellipse holes) of the casing.



**NOTE** Mount the HA casing in a direction where the wiring through-holes will be hidden in order to prevent infants from putting their fingers into the HA casing and the LED light on the internal PC board from leaking outside.

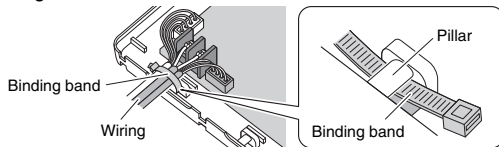
**3. Connection of wiring**

Connect the wiring to the connector terminals.

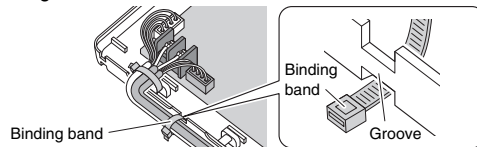


**4. Fixation of wiring**

① Insert the provided binding band under the pillar of the HA casing and secure the covers of the wiring with the binding band.



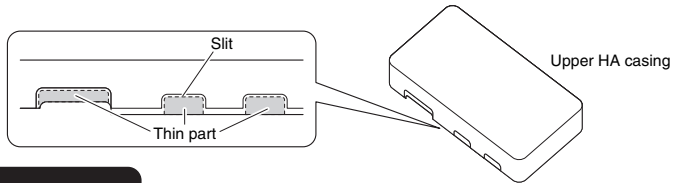
② Insert the second binding band into the groove on the side of the HA casing and fix the wiring securely so that the wiring will not be disconnected.



**A large number of wires**

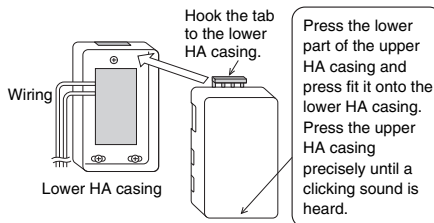
Make a slit with an appropriate tool, such as a cutter knife, on the thin part of the upper HA casing along the frame. Then cut the part with an appropriate tool, such as a pair of nippers.

(NOTE) Cut off only the thin part required for wiring.



**5. Finishing**

Mount the upper HA casing to the original position.



**Information**

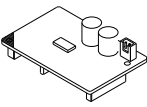
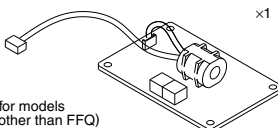
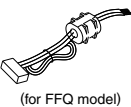
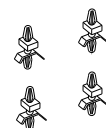
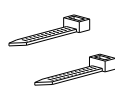
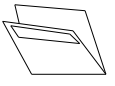
**When the contact input device (such as card keys) and central controller are used in tandem:**

Even when the operating mode of the S1 pin is set to prohibit all remote controller actions, run/stop operation from the central controller is possible. The operation also starts when the power ON timer of the indoor unit is up while all remote controller actions are prohibited. In this case, stop the operation from the central controller.

For the compatible models of the (KRC944 series) remote controller, the operation can be prohibited by using the remote controller in tandem with the central controller.

## 2.4 <DTA112BA51> Interface Adaptor for DIII-NET (SkyAir)

Accessories Check if the following accessories are included in the kit.

| ① Adaptor                                                                            | ② Relay PCB                                                                                                         | ③ Relay harness                                                                                         | ④ PC board support                                                                   | ⑤ Clamp material                                                                       | ⑥ Installation manual                                                                  |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  x1 |  x1<br>(for models other than FFQ) |  x1<br>(for FFQ model) |  x4 |  x2 |  x1 |

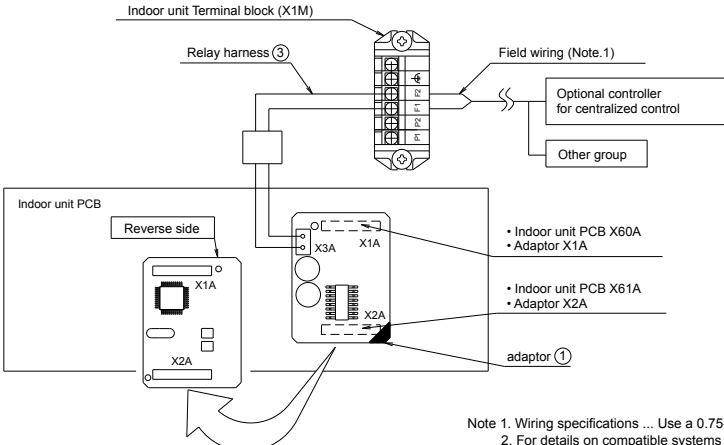
Note Before opening control box lid, besure cut off the all air conditioner power of indoor unit and outdoor unit, or you may get an electric shock..

### 1 SYSTEM OUTLINE

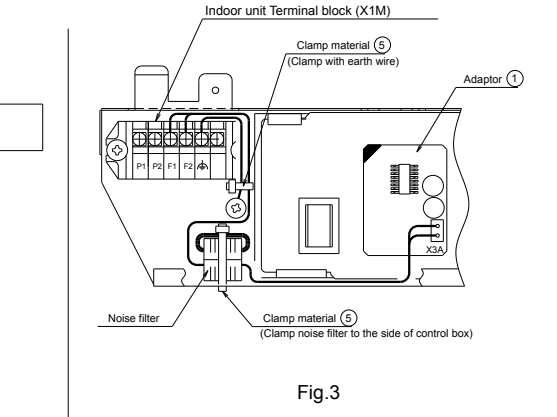
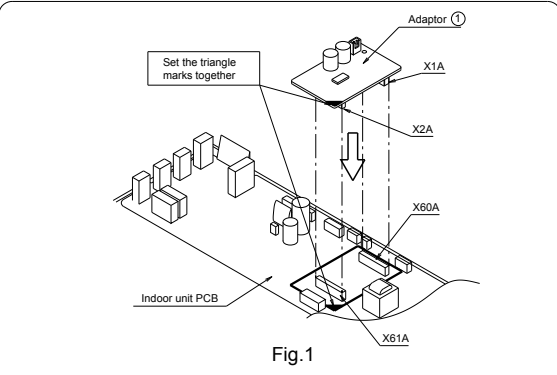
- By connecting this kit to an optional controller for centralized control, all units of the SKY AIR Series in the system can be controlled as a group from the optional controller.
- One kit must be installed onto the master unit of each group.

### 2 ELECTRIC WIRING for FFQ model

- Mount the Adaptor ① on the indoor unit PCB by setting the triangle marks together.(Fig.1)
- Insert the Relay harness ③ into the connector of the Adaptor ① (Fig.2)
- Remove the remote control terminal block(X1M) from the control box mounted inside the indoor unit.
- Connect the Relay harness ③ with the terminals F1 and F2 on the terminal block(X1M). (Fig.2)
- Mount the remote control terminal block(X1M) on the inside of the control box as it was before removing it.
- Bind the extra wires with the attached Clamp material ⑤ so that the wires do not go over the indoor unit PCB. (Fig.3)
- Connect the wires from the terminals F1 and F2 to the centralized control. (Fig.2)

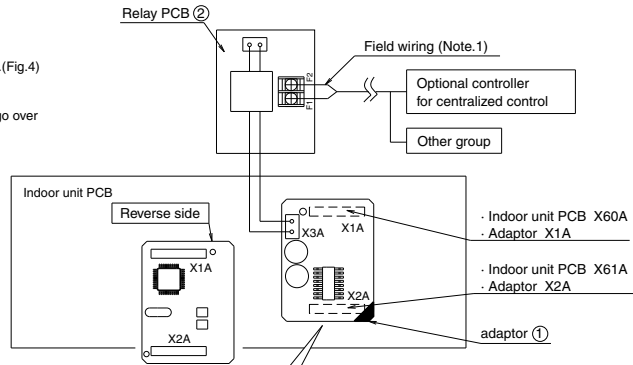


Note 1. Wiring specifications ... Use a 0.75-1.25mm sheathed vinyl cord or cable (2 wires).  
2. For details on compatible systems and how to connect to optional controllers, see the instruction manual of the optional controller and technical reference materials.



**3** ELECTRIC WIRING for MODELS OTHER THAN FFQ

- (1) Mount the adaptor ① on the indoor unit PCB by setting the triangle marks together. (Fig. 1 **ELECTRIC WIRING** for FFQ model)
- (2) Insert the harness from Relay PCB ② into the connector (X3A) of the Adaptor ①. (Fig.4)
- (3) Mount the Relay PCB ② on the required location referring to the figure of Installation position of Relay PCB.
- (4) Bind the extra wires with the attached Clamp material ⑤ so that the wires do not go over the indoor unit PCB and the parts on the PCB do not get damaged.
- (5) Connect the wires from the terminals F1 and F2 to the centralized control. (Fig.4)

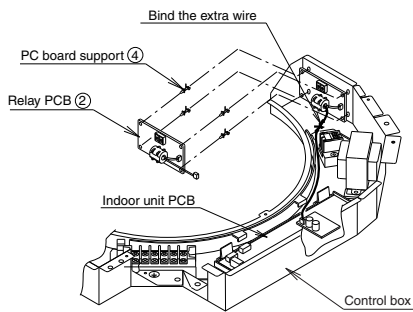


Note1. Wiring specifications ... Use a 0.75-1.25mm sheathed vinyl cord or cable (2 wires).  
 2. For details on compatible systems and how to connect to optional controllers, see the instruction manual of the optional controller and technical reference materials.

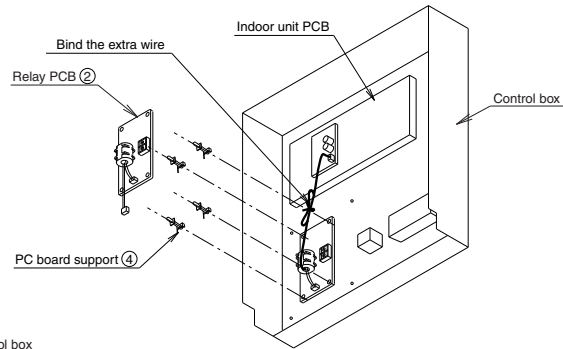
Fig.4

**Installation position of Relay PCB**

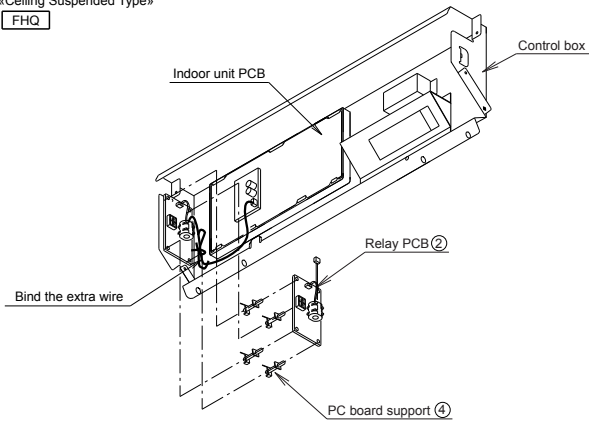
<Ceiling Mounted Cassette Type>  
**FCQ** (Multi Flow Type)



<Ceiling Mounted Built-In Type>  
**FBQ**



«Ceiling Suspended Type»  
**FHQ**



C: 1P107904-1C

## 2.5 <KDT25N32, KDT25N50> Insulation Kit for High Humidity

### Caution

- This kit can be installed to the Ceiling mounted Built-in Type Air Conditioners.<Slim duct type>
- When the installation box for adapter PCB(KPP1B101)is used together, mount this kit before Installation box.
- It is recommended to mount this kit before installing the indoor unit.

### Combination table

| Kit name      |               |          |
|---------------|---------------|----------|
| KDT25N32      | KDT25N50      | KDT25N63 |
| FDXS09/12LVJU | CDXS15/18LVJU |          |

### Details of parts

| Designation      | ① Top plate insulation (T-1)      | ② Top plate insulation (T-2)     | ③ Side plate insulation (S-1) | ④ Side plate insulation (S-2) |  |
|------------------|-----------------------------------|----------------------------------|-------------------------------|-------------------------------|--|
| Shape            |                                   |                                  |                               |                               |  |
| Number of pieces | 1 pc.                             | 1 pc.                            | 2 pcs.                        | 1 pc.                         |  |
| Designation      | ⑤ Bottom plate insulation (B-1)   | ⑥ Chamber cover insulation (C-1) |                               |                               |  |
| Shape            |                                   |                                  |                               |                               |  |
| Number of pieces | 1 pc.                             | 1 pc.                            |                               |                               |  |
| Designation      | ⑦ Hanger (right) insulation (H-1) | ⑧ Hanger (left) insulation (H-2) | ⑨ Installation manual         |                               |  |
| Shape            |                                   |                                  |                               | (This instruction)            |  |
| Number of pieces | 1 pc.                             | 1 pc.                            | 1 pc.                         |                               |  |

4

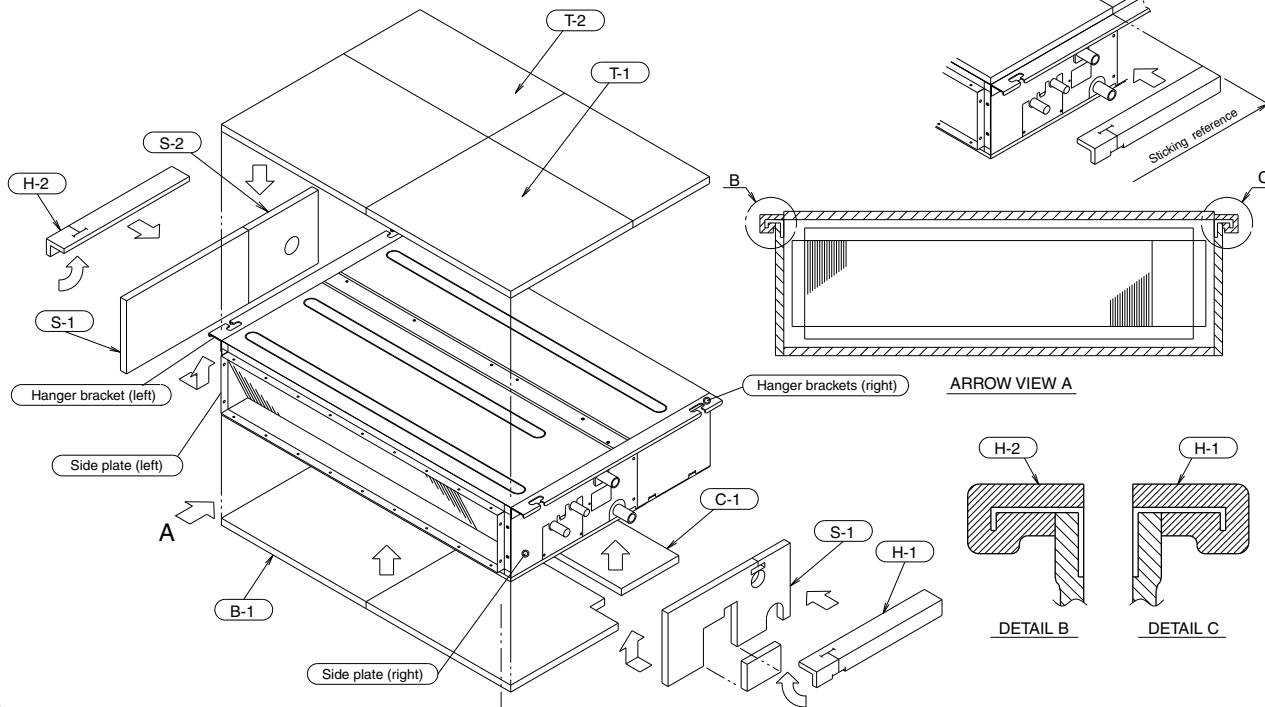
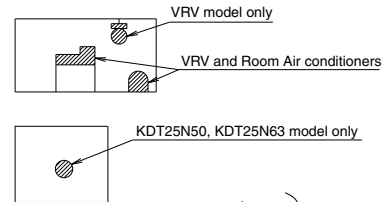
### 1 How to attach

⚠ When moving the unit at or after opening, hold the unit by the hanger brackets. ⚠  
Do not apply force to the refrigerant piping, drain piping or flange parts.

<Procedure> Stick the insulations carefully according to the following procedures and do not make a gap between the adjacent thermal insulations.

- (1) Stick the top plate insulation (T-1) , (T-2) to the indoor unit top plate.
- (2) Cut off the side plate insulation (S-1) following the score.(See the right figure)
- (3) Stick the side plate insulation (S-1) to the indoor unit right side plate.
- (4) Stick the side plate insulation (S-1) to the indoor unit left side plate without cutting off the area surrounded by the score.
- (5) Stick the side plate insulation (S-2) to the indoor unit left side plate.
- (6) Stick the bottom plate insulation (B-1) to the indoor unit bottom plate.
- (7) Stick the chamber cover insulation (C-1) to the indoor unit chamber cover.
- (8) Stick the hanger (left) insulation (H-2) and the hanger (right) insulation (H-1) to the left and right hangers respectively.  
(See the right figure for the sticking reference.)

Cut off the area shown with oblique lines and throw it away.






C: 3P131323-1E

2.6 <KEH041A43> Drain Pan Heater


## Safety Considerations for Installation of Drain Pan Heater

Read these **SAFETY CONSIDERATIONS** carefully before installing the drain pan heater. After completing the installation, check if the unit operates properly during the start-up operation.


Meaning of **DANGER, WARNING and CAUTION** symbols.

|                                                                                                  |                                                                                                             |                                                                                                  |                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>DANGER</b>  | Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.  |  <b>CAUTION</b> | Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. |
|  <b>WARNING</b> | Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. |                                                                                                  |                                                                                                                                                                   |


- Inform customers that they should store this Installation Manual for future reference.
- After completing the installation, make sure that the unit operates properly during the startup operation.
- All phases of the field-installation, including, but not limited to, electrical, piping, and safety, must be done in accordance with manufacturer's instructions and must comply with national, state, provincial, and local codes.
- This product is a heater designed to melt snow that is blown into the product from the outside to prevent the drain pan of the outdoor unit from freezing.
- Install the product with a snow-break hood on a high stand if this product is used in heavy snow areas.

 **DANGER**

- **Do not touch the heater unit without wearing gloves.**  
The temperature of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands will result in burns or injury.






 **WARNING**









- **Request the dealer or an authorized technician to install the product.**  
Improper installation of the product could result in water leakage, an electrical shock, or fire.
- **The product must be installed according to the instructions given in this manual.**  
The Incomplete installation of the product could result in water leakage, an electrical shock, or fire.
- **Use the supplied or specified installation parts.**  
Use of other parts could result in the unit becoming loose and falling, water leakage, electrical shocks, or fire.
- **Turn OFF the power supply at the time of installation.**  
Touching any electrical parts may with the power supply turned on could result in electrical shocks.
- **Use specified wires. Connect and fix the wires so that the wires will not put improper force on the terminal junctions.**  
Wires connected or fixed improperly could result in terminal overheating, an electrical shock, or fire.
- **When wiring and connecting the indoor and outdoor units, carefully arrange the wiring so that they will not put improper force on the structures.**  
Install covers over the wires. Incomplete cover installation could result in terminal overheating, an electrical shock, or fire.

 **CAUTION**

- **Wear protective gloves at the time of installation.**  
Touching the suction mouth or aluminum fin of the outdoor unit may result in injury.
- **Do not install the product in places where there is danger of exposure to inflammable gas leakage.**  
If the gas leaks and builds up around the unit, it may catch fire.
- **Do not grab the top plate of the outdoor unit carelessly when removing the top plate.**  
The sharp edge of the top plate may cause injury.
- **Do not install the outdoor unit in places where small animals may nest in the outdoor unit.**  
If small animals intrude and touch the internal parts of the outdoor unit, the outdoor unit may malfunction, generate smoke, or ignite. Advise the user to keep the place clean.
- **Do not touch the heater unit with bare hands.**  
The temperature of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands may result in burns or injury.

## Accessories

|                                                                                                               | KEH041A43 | KEH041A44 | KEH041A49 |
|---------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|
| (A) Drain pan heater         | 1         | 1         | 1         |
| (B) Piercing screw           | 6         | 9         | 9         |
| (C) Hexagon tapping screw    | /         | /         | 1         |
| (D) Binding band             | 2         | 2         | 2         |
| (E) Sealing material (long)  | 1         | /         | /         |

|                                                                                                                                 | KEH041A43 | KEH041A44 | KEH041A49 |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|
| (F) Sealing material (square)                 | 2         | 1         | 1         |
| (G) Installation manual                       | 1         | 1         | 1         |
| (H) Electric wiring diagram label             | 1         | 1         | 1         |
| (J) Information label                         | 1         | 1         | 1         |
| (K) Fixing plate                              | 1         | 3         | 2         |
| (L) Panhead tapping screw with spring washer  | 1         | /         | /         |
| (M) Hexagon Nut                               | 1         | /         | /         |
| (N) Earth plate                               | /         | /         | 1         |

### Tools Required for Installation

- Electric drill
- $\varnothing 1/8"$  ( $\varnothing 3.2\text{mm}$ ) drill
- $\varnothing 5/32"$  ( $\varnothing 4\text{mm}$ ) drill
- Phillips screwdriver
- Nippers
- Snips

Appearance of (A) drain pan heater and (K) fixing plate may differ from some models.  
 (K) Fixing plates for **KEH041A44** and **KEH041A49** have different shapes.  
 For details, refer to **Installation Procedure (3)**.

## Installation Procedure (1)

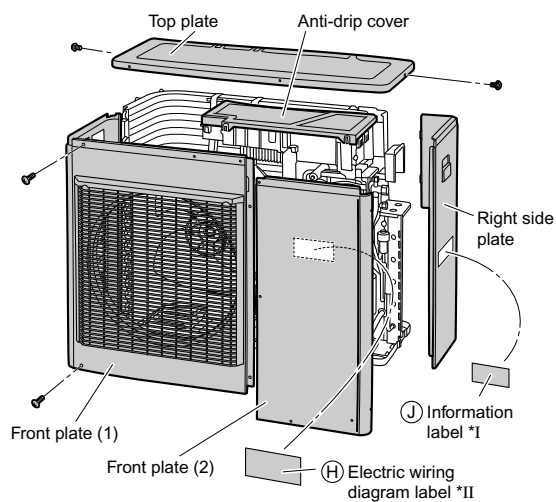
### ⚠ WARNING

- Be sure to check that the power supply of the product is turned off.

### 1. Remove each component of the outdoor unit.

- 1) Remove the right side plate.
  - Affix (J) information label near the manufacturer's label. \*I
- 2) Remove the top plate.
- 3) Remove the anti-drip cover, if included.
- 4) Remove the front plate (2).
  - Affix (H) electric wiring diagram label where there is enough space available on the back of the front plate (2). \*II
- 5) Remove the front plate (1).

| Parts name       | Number and type of screws to be removed |    |           |    |           |    |
|------------------|-----------------------------------------|----|-----------|----|-----------|----|
|                  | KEH041A43                               | *1 | KEH041A44 | *1 | KEH041A49 | *1 |
| Right side plate | 5                                       | *1 | 2         | *1 | 2         | *1 |
| Top plate        | 8                                       | *1 | 9         | *1 | 7         | *1 |
| Anti-drip cover  | -                                       | -  | -         | -  | -         | -  |
| Front plate (1)  | 5                                       | *1 | 7         | *1 | 7         | *1 |
| Front plate (2)  | 2                                       | *1 | 4         | *1 | 4         | *1 |



\*1 Hexagon tapping screw.

- The appearance of the outdoor unit and the number of screws may differ from some models.



## Installation Procedure (2)

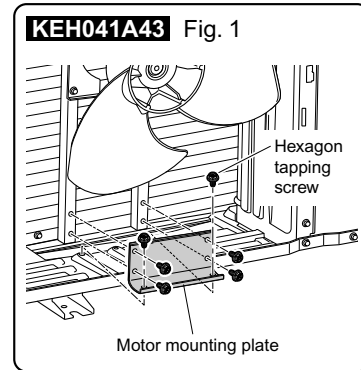
### 2. Installation of the drain pan heater.

**⚠ CAUTION**

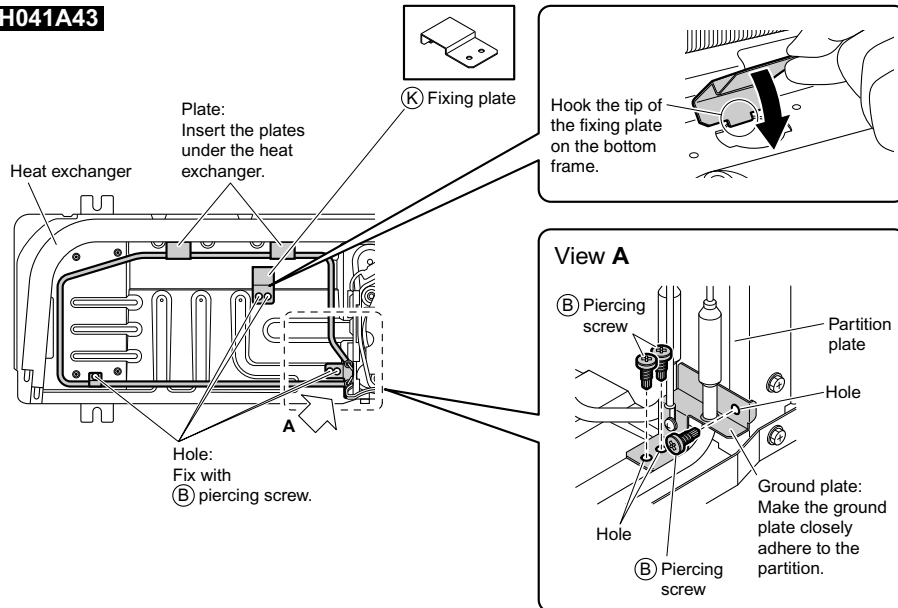
- When drilling a hole, be careful not to damage the soundproofing material and other components on the back side.

- Make the ground plate closely adhere to the partition.
- Install the drain pan heater in a position where it does not come into contact with the fan motor base.

- 1) Remove the motor mounting plate for the fan motor base.  
(6 screws \*1) \*1 Hexagon tapping screw
  - **KEH041A43** only. See Fig. 1.
- 2) To fix the drain pan heater, drill  $\phi 1/8"$  ( $\phi 3.2\text{mm}$ ) holes in the bottom frame and the partition plate.  
(Refer to **Installation Procedure (2), (3)** for the parts for drilling and the number of holes.)
  - Place the actual components to ensure positioning is correct before drilling holes.
  - The hole can be made with the included piercing-screw as well.
- 3) Install the drain pan heater.
  - Insert the plate under the heat exchanger.
- 4) Install (K) fixing plate.
- 5) Fix the drain pan heater with (B) piercing screw.
- 6) Install the motor mounting plate for the fan motor base.
  - **KEH041A43** only.



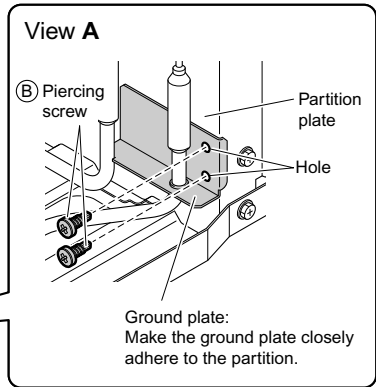
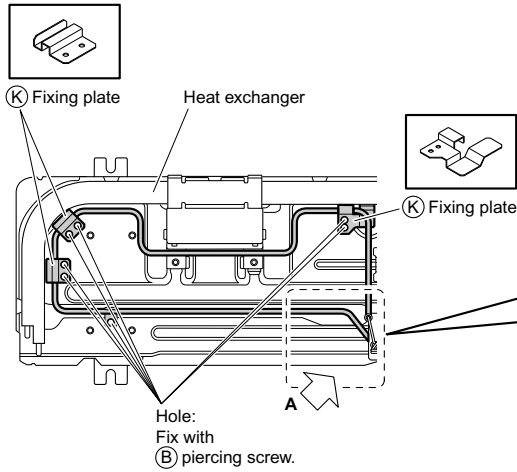
**KEH041A43**



| Parts for drilling and number of $\phi 1/8"$ ( $\phi 3.2\text{mm}$ ) holes |          |
|----------------------------------------------------------------------------|----------|
| Bottom frame                                                               | 5        |
| Partition plate                                                            | 1        |
| <b>Total</b>                                                               | <b>6</b> |

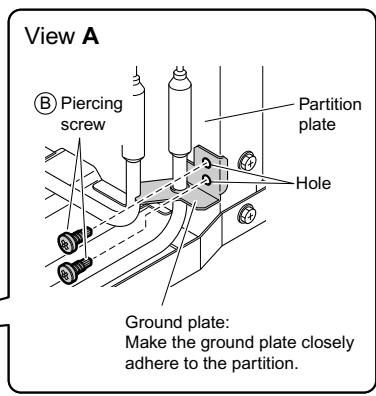
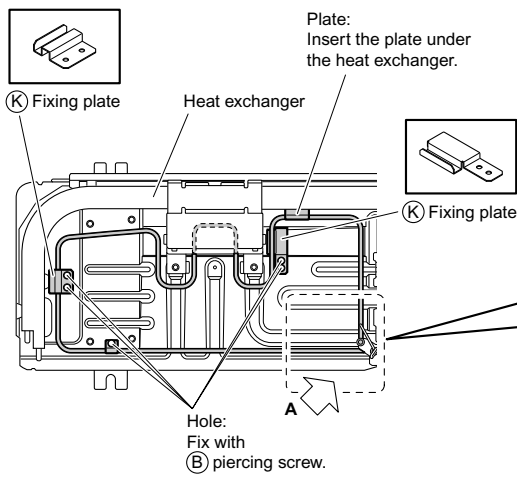
### Installation Procedure (3)

**KEH041A44**



|                                                                            |   |
|----------------------------------------------------------------------------|---|
| Parts for drilling and number of $\phi 1/8"$ ( $\phi 3.2\text{mm}$ ) holes |   |
| Bottom frame                                                               | 7 |
| Partition plate                                                            | 2 |
| Total                                                                      | 9 |

**KEH041A49**



|                                                                            |   |
|----------------------------------------------------------------------------|---|
| Parts for drilling and number of $\phi 1/8"$ ( $\phi 3.2\text{mm}$ ) holes |   |
| Bottom frame                                                               | 5 |
| Partition plate                                                            | 2 |
| Total                                                                      | 7 |

## Installation Procedure (4)

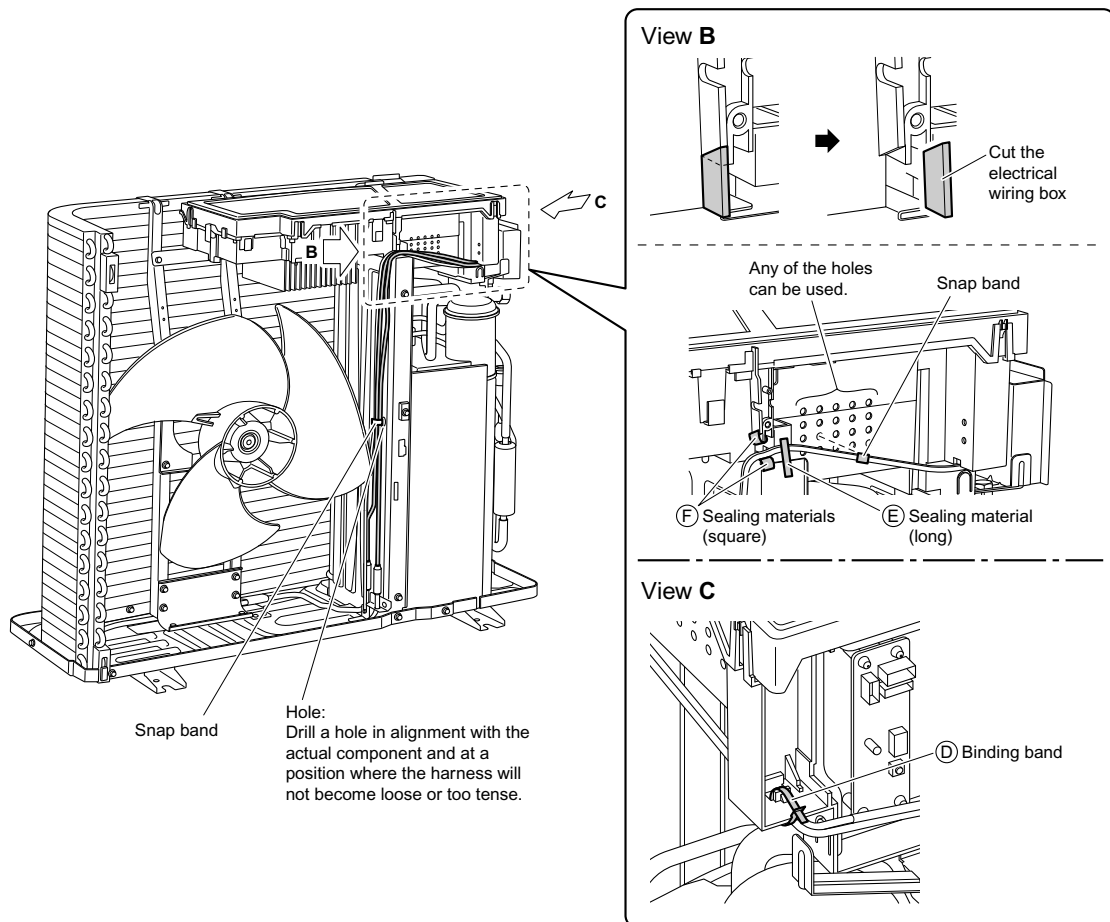
### 3. Route the harnesses.

#### ⚠ WARNING

- When drilling a hole, be careful not to damage the soundproofing material and other components on the back side.
- When drilling a hole in the partition plate, be careful not to let chippings drop on the electrical components (particularly the reactor).  
Operating the unit with chippings attached on the reactor may cause electrical shock or fire.

#### KEH041A43

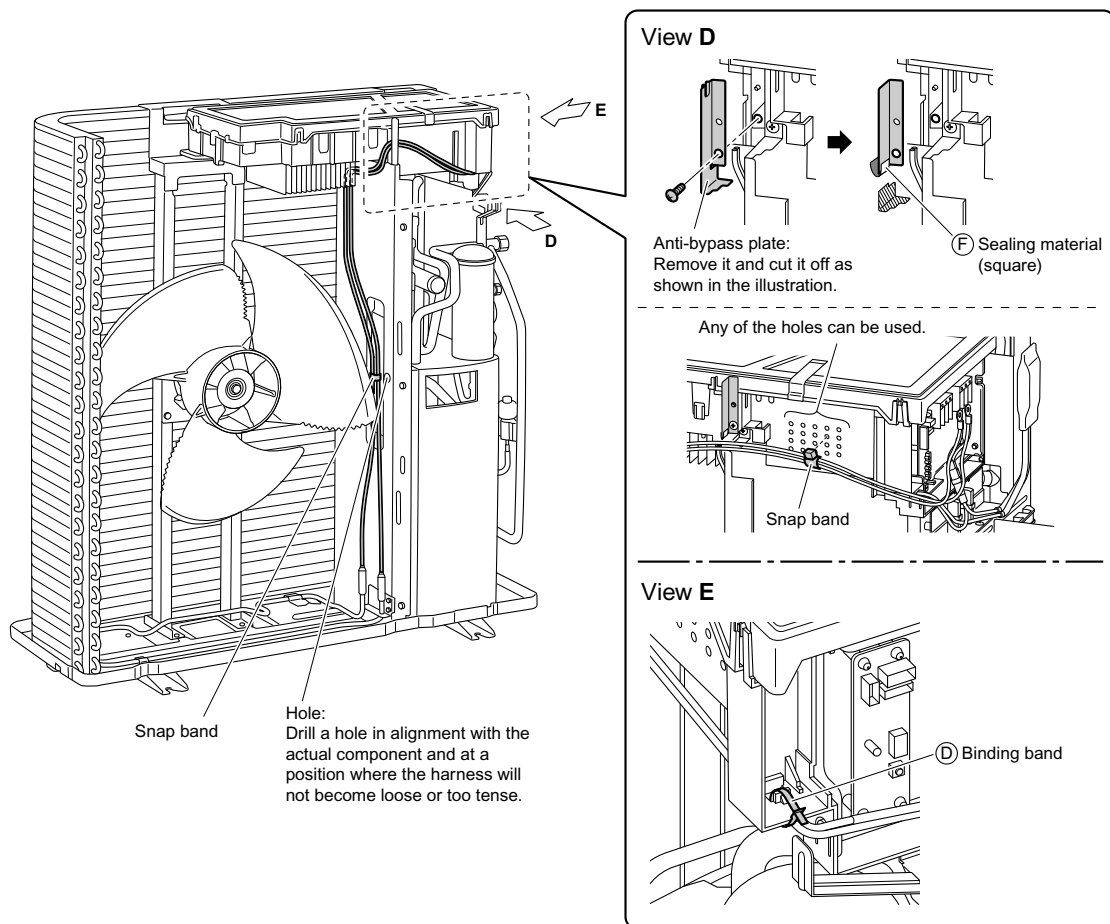
- 1) Drill a  $\varnothing 5/32"$  ( $\varnothing 4\text{mm}$ ) hole in the partition plate for installing the snap band. (1 location)
- 2) Insert the snap band into the drilled hole.
- 3) Cut off the electrical wiring box and affix (F) sealing materials (square) at 2 positions to protect the harness.
- 4) Place the harness and affix the (E) sealing material (long) to fix it.
- 5) Insert the snap band into the hole in the electrical wiring box to fix it.
  - Any of the holes can be used.
- 6) Fix the harness on the electrical wiring box with the (D) binding band.
  - Cut the tip of binding band.



## Installation Procedure (5)

### KEH041A44 KEH041A49

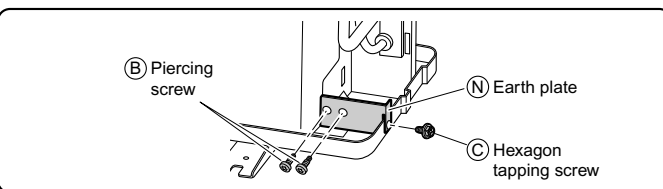
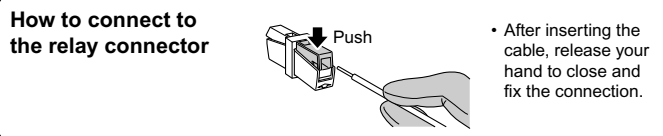
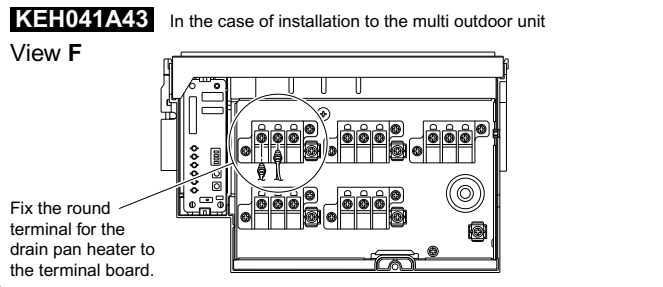
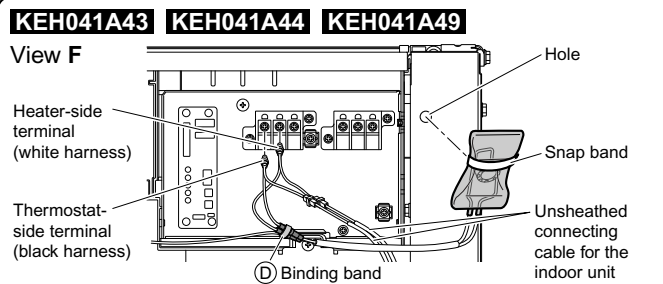
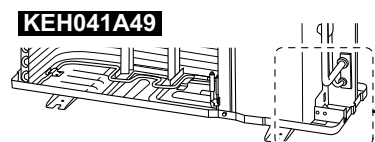
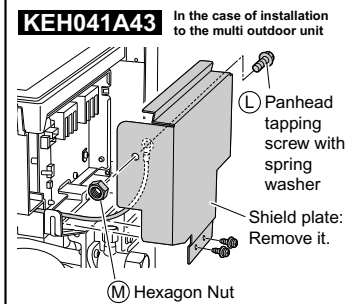
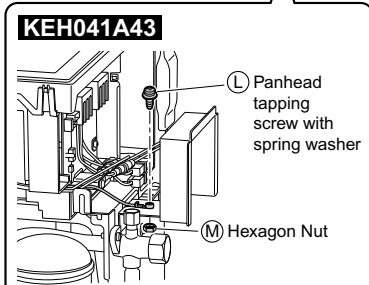
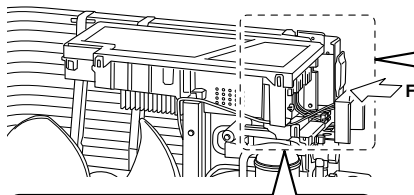
- 1) Drill a  $\varnothing 5/32"$  ( $\varnothing 4\text{mm}$ ) hole in the partition plate for installing the snap band. (1 location)
- 2) Insert the snap band into the drilled hole.
- 3) Remove the anti-bypass plate and cut it off, and then affix the (F) sealing material (square) to protect the harness.
- 4) Install the cut anti-bypass plate to the original position.
- 5) Insert the snap band into the hole in the electrical wiring box to fix it.
  - Any of the holes can be used.
- 6) Fix the harness on the electrical wiring box with the (D) binding band.
  - Cut the tip of binding band.



## Installation Procedure (6)

### 4. Connect the FastOn terminals of the drain pan heater to the terminal block of the outdoor unit.

- 1) Remove the shield plate. (2 screws \*2) \*2 Trus head tapping screw
  - Only when **KEH041A43** is installed to the multi outdoor unit.
- 2) Remove the connecting cable for the indoor unit from Terminals (1) and (2), cut off the round terminal, and remove the sheath. (11/32"-7/16" (9-11mm))
- 3) Connect the cut connecting cable to the relay connector for the drain pan heater.
- 4) Fix the round terminal for the drain pan heater to the terminal board with the screw.
  - Connect the thermostat-side terminal (black harness) to the leftmost terminal and the heater-side terminal (white harness) to the second leftmost terminal.
- 5) Fix the extra portion of the harness and the fuse holder with the (D) binding band. (1 location)
  - Cut the tip of binding band.
- 6) Drill a  $\varnothing 5/32"$  ( $\varnothing 4\text{mm}$ ) hole in the shield plate and connect the round terminal for the drain pan heater's ground to the shield plate using (L) panhead tapping screw with spring washer and (M) hexagon nut.
  - **KEH041A43** only
- 7) Drill a  $\varnothing 5/32"$  ( $\varnothing 4\text{mm}$ ) hole in the rear plate and insert the snap band into the drilled hole. (1 location)
- 8) Drill a  $\varnothing 1/8"$  ( $\varnothing 3.2\text{mm}$ ) hole in the stop valve mounting plate and fix (N) earth plate with (B) piercing screw and (C) hexagon tapping screw.
  - **KEH041A49** only



## Installation Procedure (7)

### 5. Install each component to the original position.

- Be careful not to confuse screw types. See **Installation Procedure (1)**.
- 1) Install the front plate (1).
- 2) Install the front plate (2).
- 3) Install the anti-drip cover, if provided.
- 4) Install the top plate.

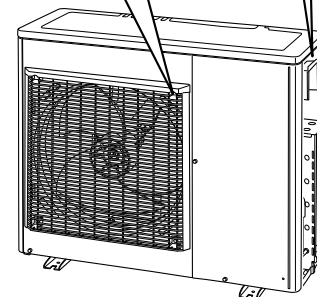
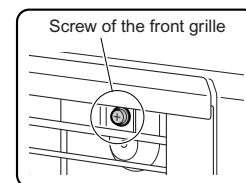
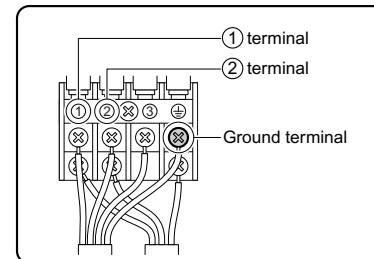
## Installation Check (electrical test of the outdoor unit)

### ⚠ CAUTION

- The drain pan heater is hot; do not touch it with bare hands.

### 1. Check the following before powering on the unit.

- 1) Check whether the drain pan heater has been properly installed, wiring has been properly performed, and the removed components have been returned to the original positions.
- 2) Check the insulation resistance of the drain pan heater.
  - Use the tester (500 VDC) to check that the insulation resistance between ① terminal and the ground terminal and between ② terminal and the ground terminal is equal to or higher than 1MΩ.
- 3) Check the continuity of the outdoor unit.
  - Use the tester to check that the continuity between the screw on the front grille and the ground terminal reads 0Ω.
  - When there is no continuity, retighten the screws securing the front plate and the bottom frame to increase the area of contact with the screw. Then, carry out the continuity test again.



Appearance of the outdoor unit may differ from some models.

### 2. Check the following after powering on the unit.

- Turn on the power supply and check that the temperature of the drain pan heater will rise.
  - Touch the bottom of the outdoor unit by hand and check the temperature rise.
  - If the outdoor temperature is high, the heater will not be energized which is not a failure. (Operation of thermo sensor: Turned on at 23°F (-5°C) and off at 34°F (1°C).)

### 3. Install the remaining components to the original positions.

- Be careful not to confuse screw types. See **Installation Procedure (1)**.
- 1) Install the shield plate.
  - Only when **KEH041A43** is installed to the multi outdoor unit.
- 2) Install the right side plate.

2.7 <KEH041A48> Drain Pan Heater

## Safety Considerations for Installation of Drain Pan Heater

Read these **SAFETY CONSIDERATIONS** carefully before installing the drain pan heater. After completing the installation, check if the unit operates properly during the start-up operation.

Meaning of **DANGER**, **WARNING** and **CAUTION** symbols.

|                |                                                                                                             |                |                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DANGER</b>  | Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.  | <b>CAUTION</b> | Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. |
| <b>WARNING</b> | Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. |                |                                                                                                                                                                   |

- Inform customers that they should store this Installation Manual for future reference.
- After completing the installation, make sure that the unit operates properly during the startup operation.
- All phases of the field-installation, including, but not limited to, electrical, piping, and safety, must be done in accordance with manufacturer's instructions and must comply with national, state, provincial, and local codes.
- This product is a heater designed to melt snow that is blown into the product from the outside to prevent the drain pan of the outdoor unit from freezing.
- Install the product with a snow-break hood on a high stand if this product is used in heavy snow areas.

**DANGER**

- **Do not touch the heater unit without wearing gloves.**  
The temperature of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands will result in burns or injury.

**WARNING**

- **Request the dealer or an authorized technician to install the product.**  
Improper installation of the product could result in water leakage, an electrical shock, or fire.
- **The product must be installed according to the instructions given in this manual.**  
The Incomplete installation of the product could result in water leakage, an electrical shock, or fire.
- **Use the supplied or specified installation parts.**  
Use of other parts could result in the unit becoming loose and falling, water leakage, electrical shocks, or fire.
- **Turn OFF the power supply at the time of installation.**  
Touching any electrical parts may with the power supply turned on could result in electrical shocks.
- **Use specified wires. Connect and fix the wires so that the wires will not put improper force on the terminal junctions.**  
Wires connected or fixed improperly could result in terminal overheating, an electrical shock, or fire.
- **When wiring and connecting the indoor and outdoor units, carefully arrange the wiring so that they will not put improper force on the structures.**  
Install covers over the wires. Incomplete cover installation could result in terminal overheating, an electrical shock, or fire.

**CAUTION**

- **Wear protective gloves at the time of installation.**  
Touching the suction mouth or aluminum fin of the outdoor unit may result in injury.
- **Do not install the product in places where there is danger of exposure to inflammable gas leakage.**  
If the gas leaks and builds up around the unit, it may catch fire.
- **Do not grab the top plate of the outdoor unit carelessly when removing the top plate.**  
The sharp edge of the top plate may cause injury.
- **Do not install the outdoor unit in places where small animals may nest in the outdoor unit.**  
If small animals intrude and touch the internal parts of the outdoor unit, the outdoor unit may malfunction, generate smoke, or ignite. Advise the user to keep the place clean.
- **Do not touch the heater unit with bare hands.**  
The temperature of the heater unit will become high when the heater is turned on. Touching the heater unit with bare hands may result in burns or injury.

## Accessories

|     |                           | KEH041A42 | KEH041A47 | KEH041A48 |                                                                                      |                               | KEH041A42 | KEH041A47 | KEH041A48 |
|-----|---------------------------|-----------|-----------|-----------|--------------------------------------------------------------------------------------|-------------------------------|-----------|-----------|-----------|
| (A) | Drain pan heater          | 1         | 1         | 1         | (C)                                                                                  | Installation manual           | 1         | 1         | 1         |
| (B) | Piercing screw            | 7         | 4         | 7         | (H)                                                                                  | Electric wiring diagram label | 1         | 1         | 1         |
| (D) | Binding band              | 2         | 2         | 2         | (J)                                                                                  | Information label             | 1         | 1         | 1         |
| (E) | Sealing material (long)   | 1         | 1         | /         | (K)                                                                                  | Fixing plate                  | 1         | /         | 1         |
| (F) | Sealing material (square) | 2         | 2         | 2         | Appearance of (A) drain pan heater and (K) fixing plate may differ from some models. |                               |           |           |           |

## Tools Required for Installation

- Electric drill
- ø5/32" (ø4mm) drill
- Nippers
- ø1/8" (ø3.2mm) drill
- Phillips screwdriver

## Installation Procedure (1)

### ⚠ WARNING

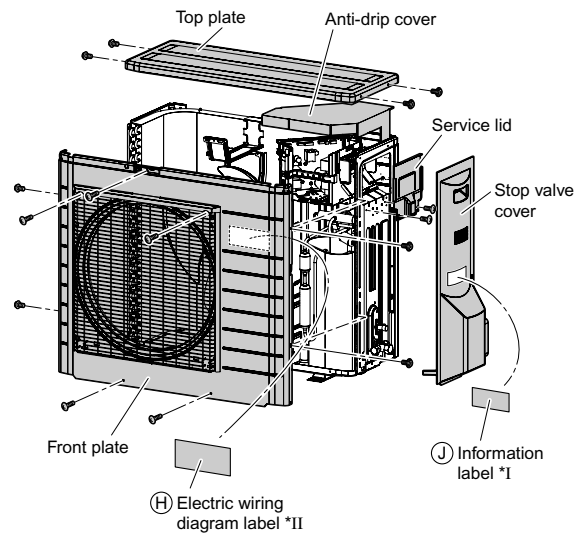
- Be sure to check that the power supply of the product is turned off.

### 1. Remove each component of the outdoor unit.

- 1) Remove the stop valve cover.
 

• Affix (J) information label near the manufacturer's label. \*I
- 2) Remove the service lid.
- 3) Remove the top plate.
- 4) Remove the anti-drip cover, if included.
- 5) Remove the front plate.
 

• Affix (H) electric wiring diagram label where there is enough space available on the back of the front plate. \*II



| Parts name       | Number and type of screws to be removed |              |           |    |           |    |
|------------------|-----------------------------------------|--------------|-----------|----|-----------|----|
|                  | KEH041A42                               |              | KEH041A47 |    | KEH041A48 |    |
| Stop valve cover | 1                                       | *1           | 1         | *1 | 2         | *1 |
| Service lid      | 2                                       | *1           | 2         | *2 | 2         | *1 |
| Top plate        | 4                                       | *2           | 3         | *2 | 4         | *2 |
| Anti-drip cover  | -                                       | -            | -         | -  | -         | -  |
| Front plate      | 6                                       | *1×1<br>*2×5 | 7         | *2 | 5         | *2 |

\*1 Truss head tapping screw.  
\*2 Hexagon tapping screw.

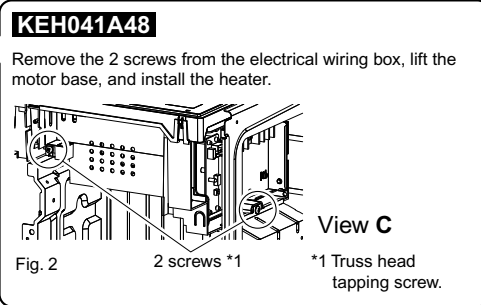
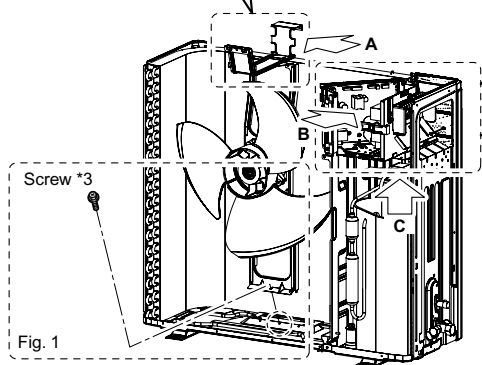
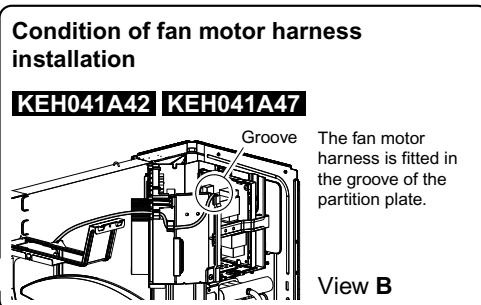
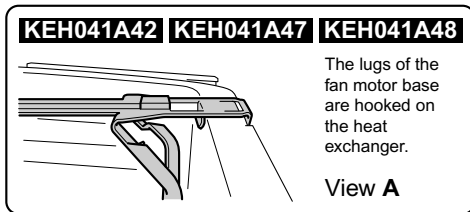
• The appearance of the outdoor unit and the number of screws may differ from some models.



## Installation Procedure (2)

### 2. Remove the fan motor base.

- 1) Remove the fixing screw at the lower section of the fan motor base, and remove the fan motor base together with the propeller fan. See Fig.1.
  - For **KEH041A48**, the motor base cannot be removed. Remove the 2 screws from the electrical wiring box, lift the motor base, and install the heater. See Fig.2
  - Do not remove the fan motor harness.
  - Be careful so that the fan motor harness does not come into contact with the edges of the heat exchanger or other components.
  - Place the removed fan motor base so that stress is not applied on the propeller fan.



| *3 Screw type | Number and type of screws to be removed |    |           |    |           |    |
|---------------|-----------------------------------------|----|-----------|----|-----------|----|
|               | KEH041A42                               |    | KEH041A47 |    | KEH041A48 |    |
| SPLIT         | 2                                       | *1 | 1         | *2 | 1         | *1 |
| MULTI SPLIT   | -                                       | -  | -         | -  | 2         | *1 |

\*1 Truss head tapping screw.  
\*2 Hexagon tapping screw.

Appearance of the outdoor unit may differ from some models.

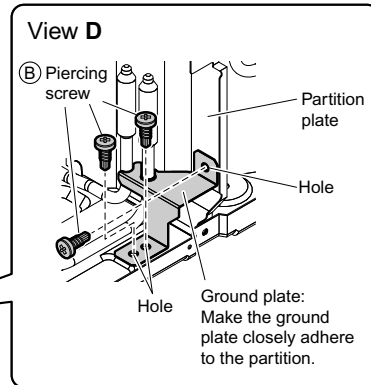
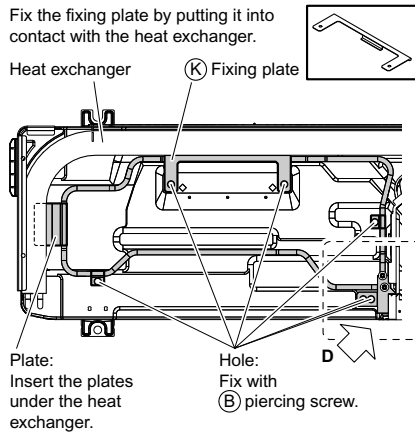
### 3. Installation of the drain pan heater.

**⚠ CAUTION**

- When drilling a hole, be careful not to damage the soundproofing material and other components on the back side.
- 
- Make the ground plate closely adhere to the partition.
  - Install the drain pan heater in a position where it does not come into contact with the fan motor base.
    - 1) To fix the drain pan heater, drill  $\phi 1/8"$  ( $\phi 3.2\text{mm}$ ) holes in the bottom frame and the partition plate. (Refer to **Installation Procedure (3)** for the parts for drilling and the number of holes.)
      - Place the actual components to ensure positioning is correct before drilling holes.
      - The hole can be made with the included piercing-screw as well.
    - 2) Install the drain pan heater.
      - Insert the plate under the heat exchanger.
      - For **KEH041A42** and **KEH041A48**, place (K) fixing plate.
    - 3) Fix the drain pan heater with (B) piercing screw.

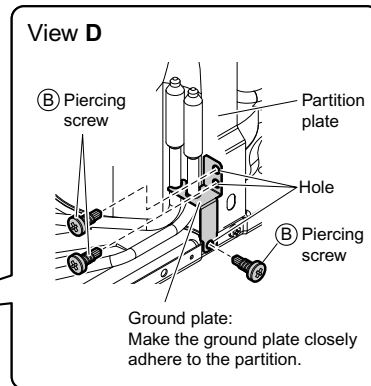
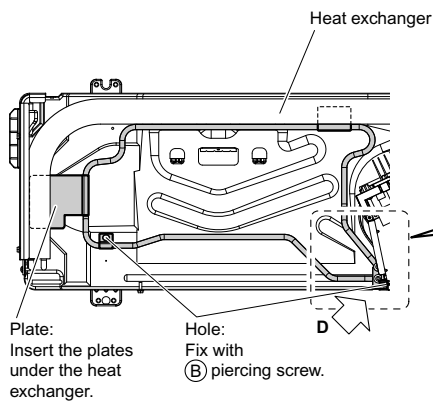
## Installation Procedure (3)

### KEH041A42 KEH041A48



| Parts for drilling and number of $\phi 1/8"$ ( $\phi 3.2\text{mm}$ ) holes |          |
|----------------------------------------------------------------------------|----------|
| Bottom frame                                                               | 6        |
| Partition plate                                                            | 1        |
| <b>Total</b>                                                               | <b>7</b> |

### KEH041A47



| Parts for drilling and number of $\phi 1/8"$ ( $\phi 3.2\text{mm}$ ) holes |          |
|----------------------------------------------------------------------------|----------|
| Bottom frame                                                               | 2        |
| Partition plate                                                            | 2        |
| <b>Total</b>                                                               | <b>4</b> |

## Installation Procedure (4)

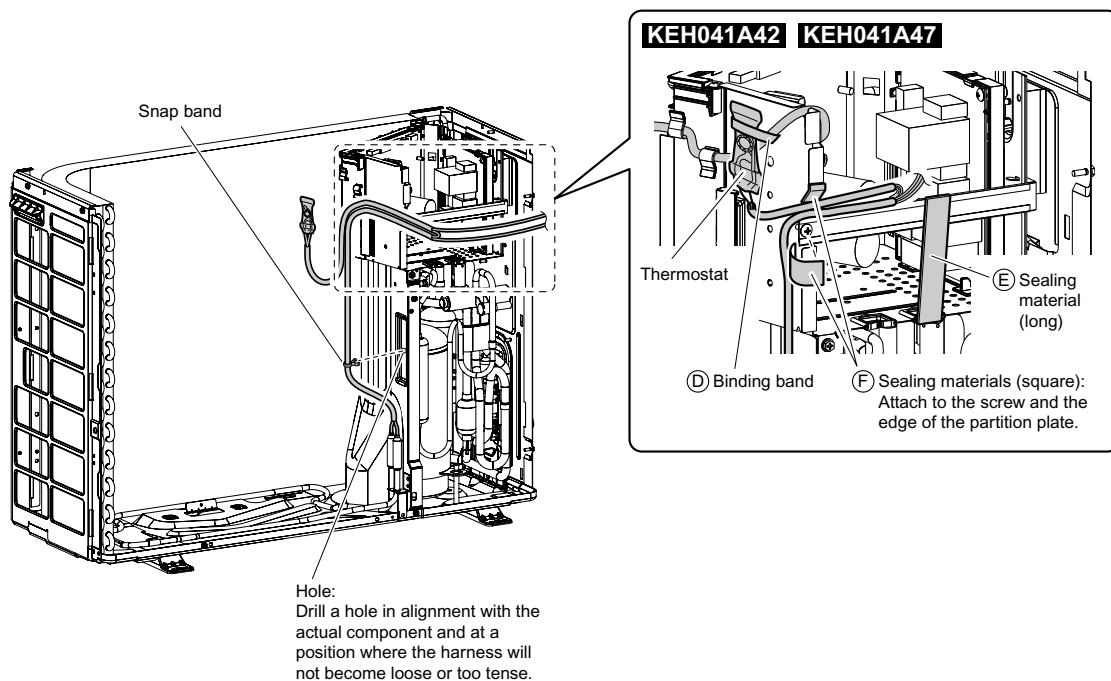
### 4. Route the harnesses.

#### WARNING

- When drilling a hole, be careful not to damage the soundproofing material and other components on the back side.
- When drilling a hole in the partition plate, be careful not to let chippings drop on the electrical components (particularly the reactor).  
Operating the unit with chippings attached on the reactor may cause electrical shock or fire.

#### **KEH041A42 KEH041A47**

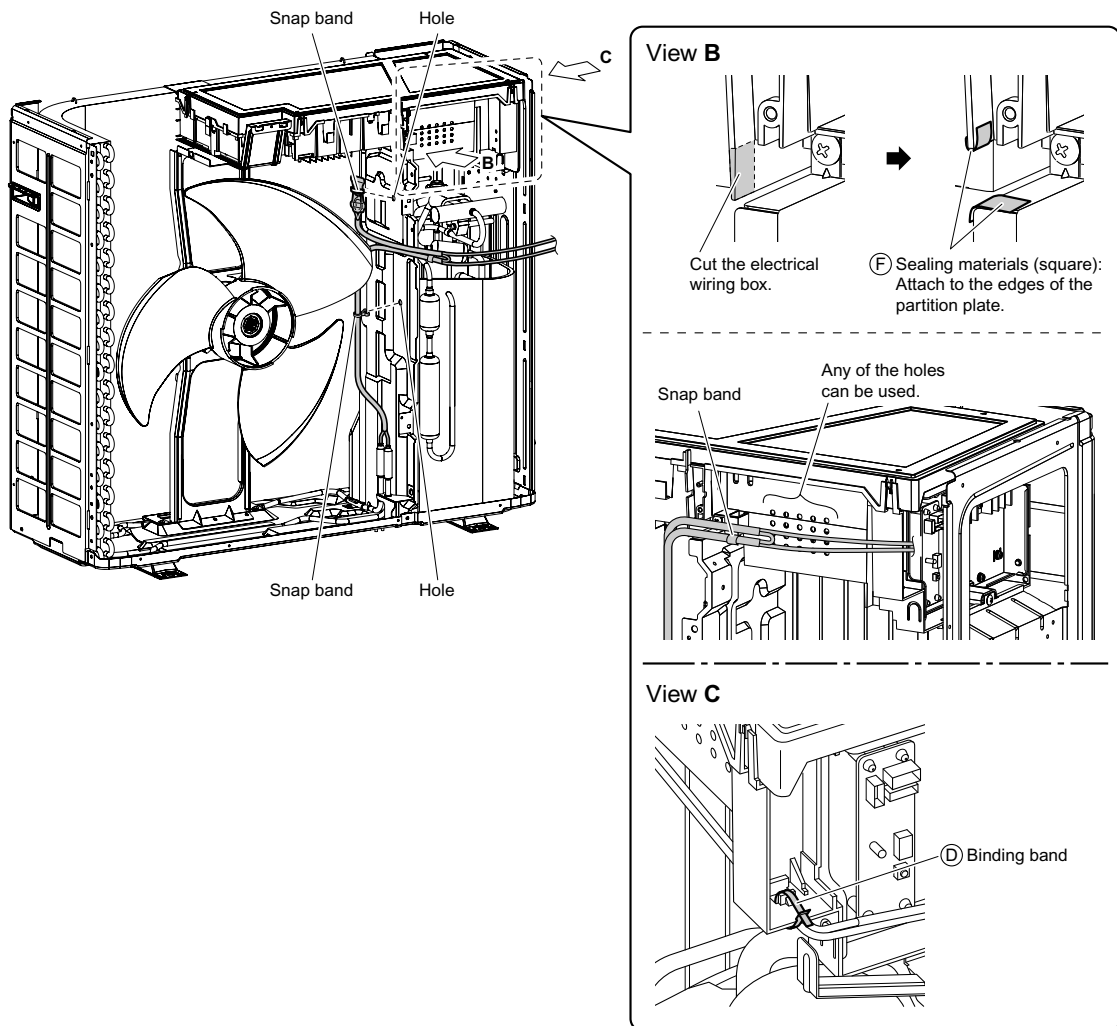
- 1) Drill a  $\varnothing 5/32$ " ( $\varnothing 4\text{mm}$ ) hole in the partition plate for installing the snap band. (1 location)
- 2) Remove the sealing material from the partition plate.
  - **KEH041A47** only
  - Dispose of the removed sealing material.
- 3) Install the fan motor base.
  - Be careful not to confuse screw types. See **Installation Procedure (2)**.
- 4) Insert the snap band into the drilled hole.
- 5) Affix (F) sealing materials (square) at 2 positions to protect the harness.
- 6) Place the harness and affix the (E) sealing material (long) to fix it.
- 7) Bind the fan motor harness and the thermostat with the (D) binding band. (1 location)
  - Cut the tip of binding band.



## Installation Procedure (5)

### KEH041A48

- 1) Drill  $\varnothing 5/32''$  ( $\varnothing 4\text{mm}$ ) holes in the partition plate for installing the snap bands. (2 locations)
- 2) Insert the snap bands into the drilled holes.
- 3) Cut off the electrical wiring box and affix (F) sealing materials (square) at 2 positions to protect the harness.
- 4) Insert the snap band into the hole in the electrical wiring box to fix it.
  - Any of the holes can be used.
- 5) Fix the harness on the electrical wiring box with the (D) binding band.
  - Cut the tip of binding band.

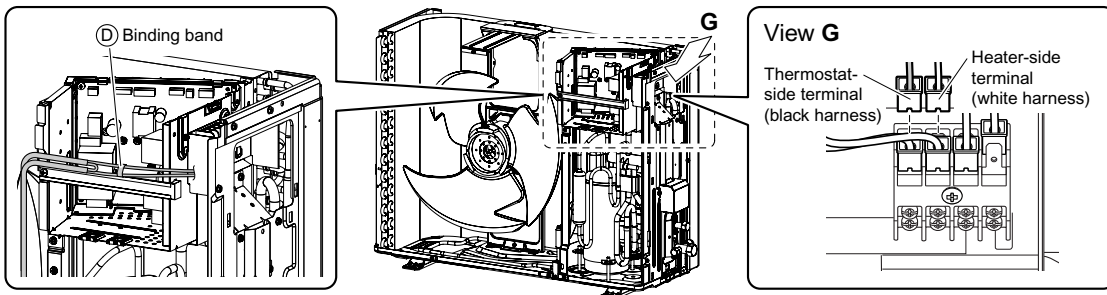


## Installation Procedure (6)

### 5. Connect the FastOn terminals of the drain pan heater to the terminal block of the outdoor unit.

**KEH041A42 KEH041A47**

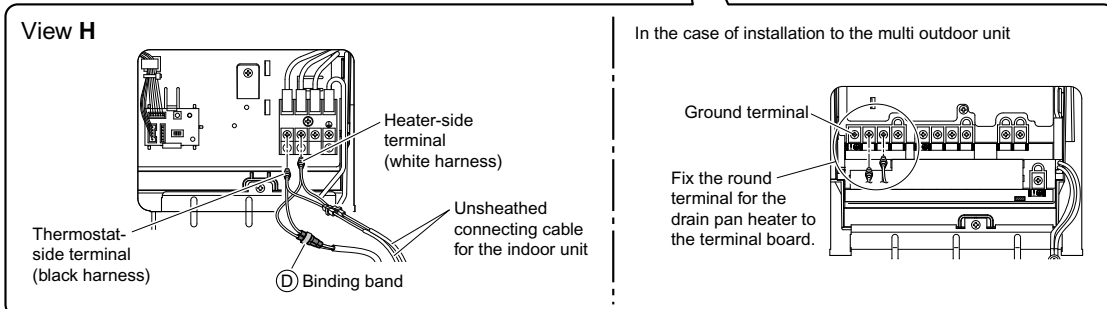
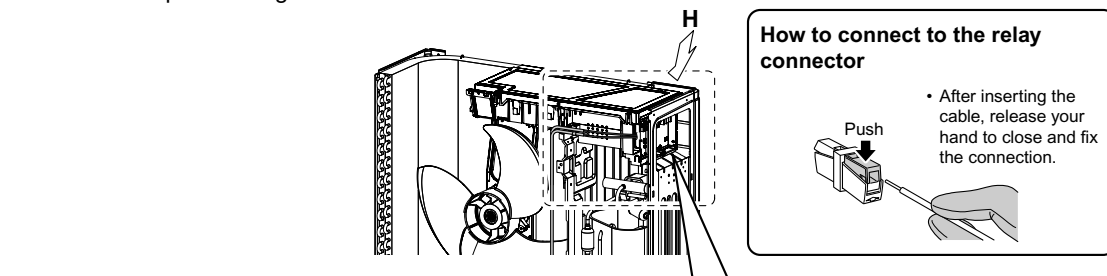
- 1) Connect the thermostat-side terminal (black harness) to the leftmost terminal and the heater-side terminal (white harness) to the second leftmost terminal.
- 2) Install the fan motor base.
  - Be careful not to confuse screw types. See **Installation Procedure (2)**.
- 3) Bind the harnesses with the (D) binding band. (1 location)
  - Cut the tip of binding band.



• The shape may slightly differ depending on the model.

**KEH041A48**

- 1) Remove the connecting cable for the indoor unit from Terminals (1) and (2), cut off the round terminal, and remove the sheath. (11/32"-7/16" (9-11mm))
- 2) Connect the cut connecting cable to the relay connector for the drain pan heater.
- 3) Fix the round terminal for the drain pan heater to the terminal board with the screw.
  - Connect the thermostat-side terminal (black harness) to the leftmost terminal and the heater-side terminal (white harness) to the second leftmost terminal.
- 4) Fix the extra portion of the harness and the fuse holder with the (D) binding band. (1 location)
  - Cut the tip of binding band.



## Installation Procedure (7)

### 6. Install each component to the original position.

- Be careful not to confuse screw types. See **Installation Procedure (1)**.
- 1) Install the front plate.
- 2) Install the anti-drip cover, if provided.
- 3) Install the top plate.

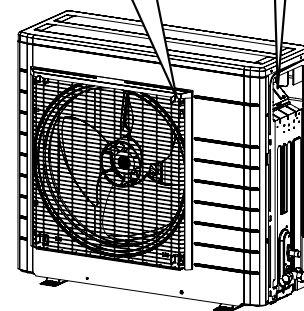
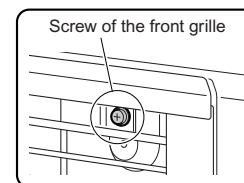
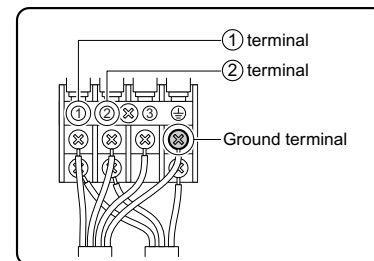
## Installation Check (electrical test of the outdoor unit)

### ⚠ CAUTION

- The drain pan heater is hot; do not touch it with bare hands.

### 1. Check the following before powering on the unit.

- 1) Check whether the drain pan heater has been properly installed, wiring has been properly performed, and the removed components have been returned to the original positions.
- 2) Check the insulation resistance of the drain pan heater.
  - Use the tester (500 VDC) to check that the insulation resistance between ① terminal and the ground terminal and between ② terminal and the ground terminal is equal to or higher than 1MΩ.
- 3) Check the continuity of the outdoor unit.
  - Use the tester to check that the continuity between the screw on the front grille and the ground terminal reads 0Ω.
  - When there is no continuity, retighten the screws securing the front plate and the bottom frame to increase the area of contact with the screw. Then, carry out the continuity test again.



Appearance of the outdoor unit may differ from some models.

### 2. Check the following after powering on the unit.

- Turn on the power supply and check that the temperature of the drain pan heater will rise.
  - Touch the bottom of the outdoor unit by hand and check the temperature rise.
  - If the outdoor temperature is high, the heater will not be energized which is not a failure.  
(Operation of thermo sensor: Turned on at 23°F (-5°C) and off at 34°F (1°C).)

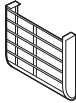


### 3. Install the remaining components to the original positions.

- Be careful not to confuse screw types. See **Installation Procedure (1)**.
- 1) Install the service lid.
- 2) Install the stop valve cover.

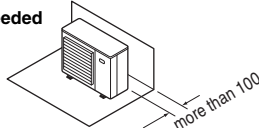
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## 2.8 <KPW945A4> Air Direction Adjustment Grille

### ■ Before installation

|                           |          |                                                                                   |                                                                                    |                                                                                     |
|---------------------------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Check the following parts | Name     | Louver                                                                            | Truss tapping screw                                                                | Installation manual                                                                 |
|                           | Shape    |  |  |  |
|                           | Quantity | 1 piece                                                                           | M4x4 screws(max.7.5kW class)<br>M5x4 screws(8.0/9.0kW class)                       | 1 piece                                                                             |

### ■ Installation Procedure

| Selection of Installation Location                                                                                                                                                                                                                                                                                                             | Space Needed for Installation                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Use when installing in a location that meets the following conditions.</p> <ul style="list-style-type: none"> <li>● When installing near the border to a neighbor's house</li> <li>● If exhaust blows directly on passers-by because outdoor unit is installed facing a road.</li> <li>● If exhaust blows directly on vegetation</li> </ul> | <ul style="list-style-type: none"> <li>● A minimum of 4" (100 mm) is needed between the back of the outdoor unit and any obstructions (walls, etc.)</li> </ul>  |

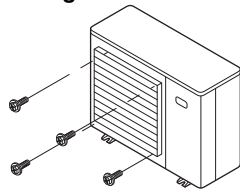
### Installation of Louvers

#### ⚠ Caution

Attach the louvers overlapping the standard grille.  
Installing the louvers without the grille enables hands inside the fan area, which is dangerous, so be sure to install the standard grille.

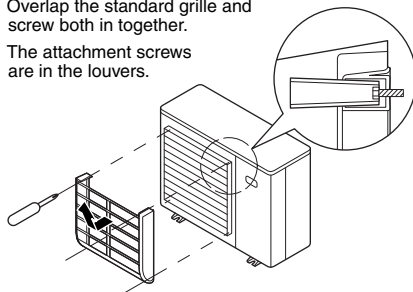
#### When pointing up

- (1) Remove the 4 attachment screws from the standard grille.

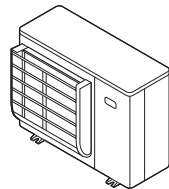


- (2) Install the louver pointed up.

- Overlap the standard grille and screw both in together.
- The attachment screws are in the louvers.

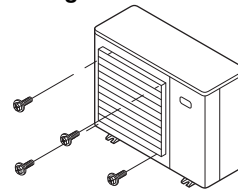


- (3) Installation complete



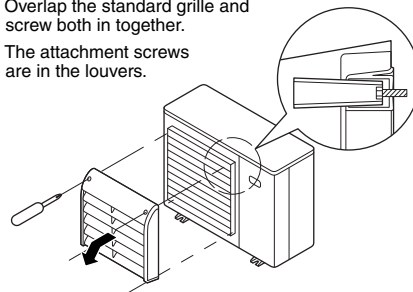
#### When pointing down

- (1) Remove the 4 attachment screws from the standard grille.

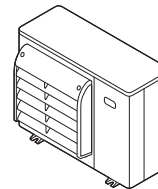


- (2) Install the louver pointed down.

- Overlap the standard grille and screw both in together.
- The attachment screws are in the louvers.



- (3) Installation complete



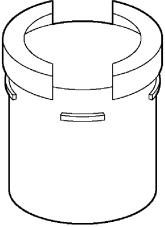
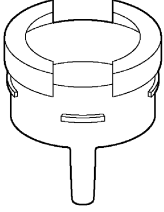
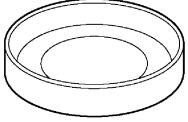
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## 2.9 <KKP945A4> Drain Plug

- Use this socket to connect a drain hose to dispose the drain from the outdoor unit.

### ■ Before Installation

Check that this kit contains the following parts.

| Name     | ① Drain socket                                                                    | ② Drain cap                                                                       | ③ Drain receiver                                                                    |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Shape    |  |  |  |
| Quantity | 1 piece                                                                           | 2 pieces                                                                          | 3 pieces                                                                            |

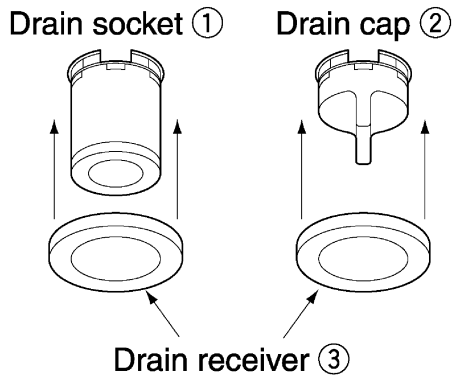
### ■ Installation Procedure

- 1 Check to make sure the outdoor unit drain hole is not hidden by the installation support or the floor.

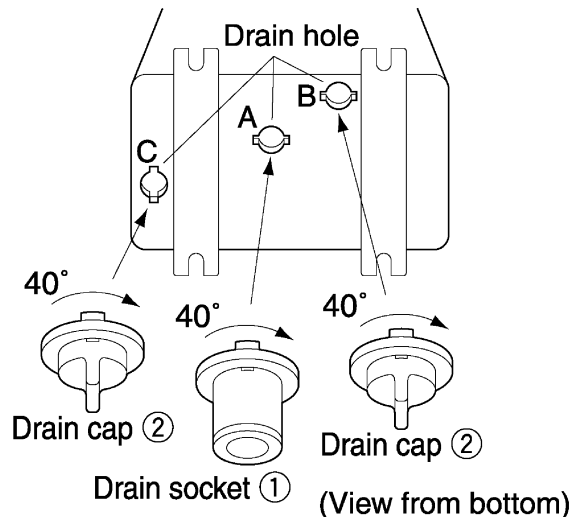
Note) 1. If the drain holes of the outdoor unit are covered with the mounting bracket or the floor, raise the unit to provide the space of more than 4" (100 mm) under the leg of the outdoor unit.

2. Check the installation position with the outside drawing.

- 2 Insert drain receiver ③ onto drain socket ① and drain cap ② beyond 4 projections around drain socket.



- 3 Insert drain socket ① into the drain hole A and drain caps ② into the drain hole B and C on the unit's bottom frame. After insertion, turn them about 40° clockwise.



- 4 Connect vinyl hose on the market (internal diameter of 1" (25 mm)) to drain socket ①.

If the hose is too long and hangs down, fix it carefully to prevent the kinks.







Warning



- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

#### **Cautions on product corrosion**

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.