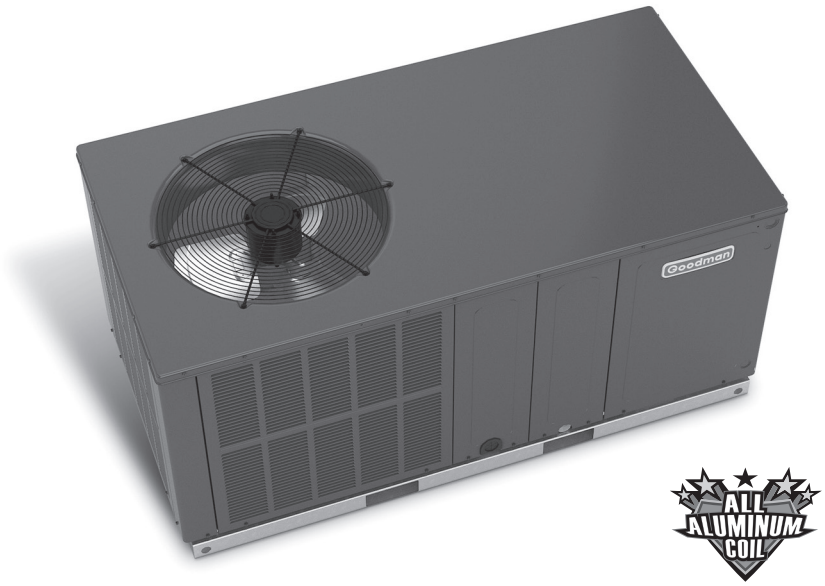
Goodman
Air Conditioning & Heating

GPHH3

Packaged Heat Pump
13.4 SEER2
2 to 5 Tons



Contents

Standard Features

- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Quiet horizontal discharge
- All-aluminum evaporator coil
- Copper tube/aluminum fin condenser coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- Electric heat kit available as a field-installed option
- AHRI certified; ETL listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with architectural gray powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- Louvered condenser coil protection
- One footprint for all tonnages
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

10 YEAR PARTS LIMITED WARRANTY*

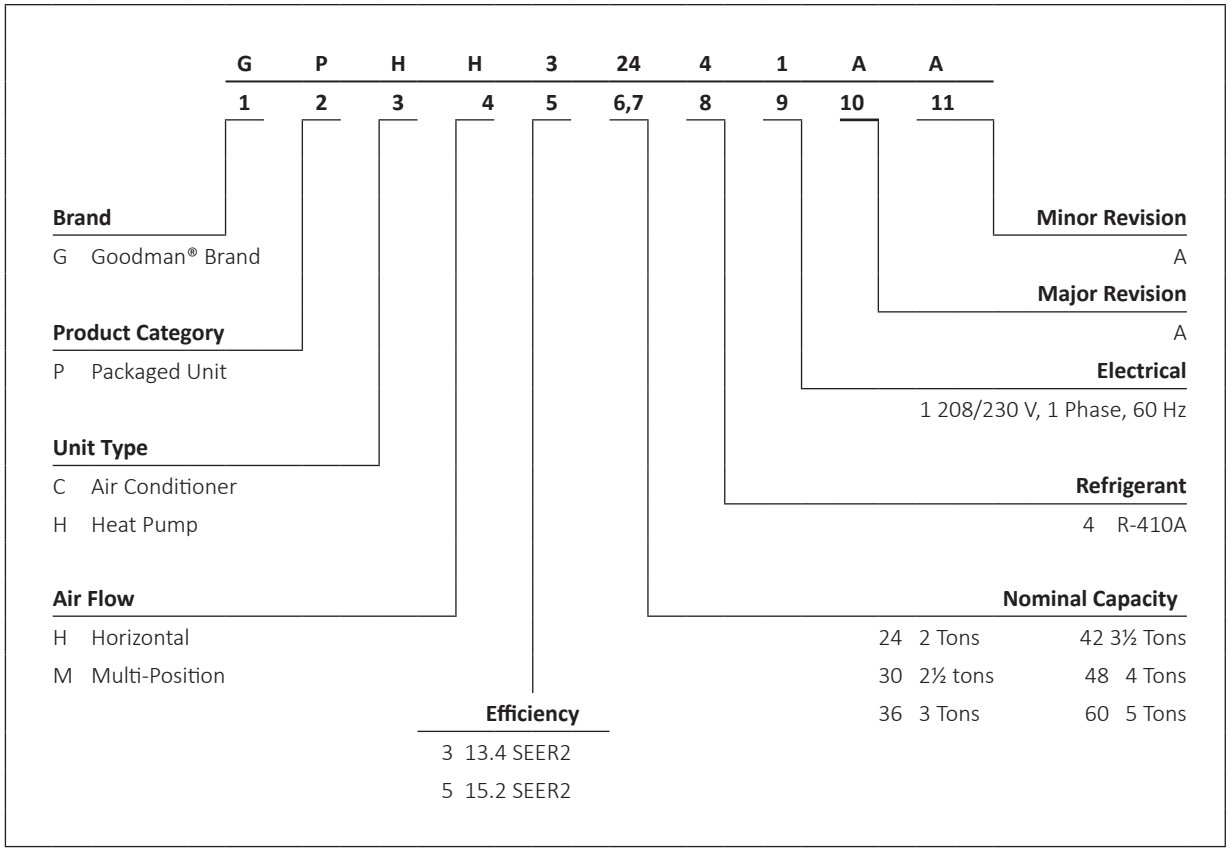
Intertek

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =

BBB ACCREDITED BUSINESS

* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec. The duration of warranty coverages in Texas differs in some cases.


G P H H 3 24 4 1 A A
1 2 3 4 5 6,7 8 9 10 11
Brand
G Goodman® Brand
Product Category
P Packaged Unit
Unit Type
C Air Conditioner
H Heat Pump
Air Flow
H Horizontal
M Multi-Position
Efficiency
3 13.4 SEER2
5 15.2 SEER2
Nominal Capacity
24 2 Tons
30 2½ tons
36 3 Tons
42 3½ Tons
48 4 Tons
60 5 Tons
Refrigerant
4 R-410A
Electrical
1 208/230 V, 1 Phase, 60 Hz
Major Revision
A
Minor Revision
A

	GPHH32441**	GPHH33041**	GPHH33641**	GPHH34241**	GPHH34841**	GPHH36041**
COOLING CAPACITY						
Total BTU/h	23,400	27,800	35,200	39,000	46,000	57,000
Sensible BTU/h	18,088	21,934	27,632	30,615	36,616	41,838
SEER2/EER2	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6
AHRI Numbers	208842404	208842405	208842406	208842407	208842408	208842409
HEATING CAPACITY						
BTU/h (47°F)	22,800	27,600	32,200	37,200	43,500	54,500
C.O.P. (47°F)	3.60	3.54	3.70	3.68	3.62	3.58
BTU/h (17°F)	13,000	15,400	19,400	21,600	24,800	32,200
C.O.P. (17°F)	2.28	2.38	2.34	2.42	2.24	2.36
HSPF2	6.70	6.70	6.70	6.70	6.70	6.70
EVAPORATOR MOTOR						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	11 x 8
Cooling CFM[3]	875	1,050	1,200	1,300	1,570	1,700
Fan-Only CFM	685	581	958	1,061	1,094	1,202
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	1/2 - 1050	1/2 - 1050	1/2 - 1050	1/2 - 1050	3/4 - 1050	3/4 - 1050
EVAPORATOR COIL						
Face Area (ft^2)	5.26	5.26	6.23	6.23	6.23	7.01
Rows Deep	3	3	3	4	4	4
Fins per Inch	14	14	14	14	14	14
Metering Device Type	Piston	Piston	Piston	Piston	Piston	Piston
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	105	105	116	132	170	173
CONDENSER FAN						
Horsepower - RPM	1/6 - 810	1/6 - 810	1/4 - 830	1/4 - 1075	1/4 - 1075	1/4 - 1075
Fan Diameter	22	22	22	22	22	22
# Fan Blades	3	3	4	4	4	4
CONDENSER COIL						
Face Area (ft^2)	13.37	13.37	17.02	17.02	17.02	18.85
Rows Deep	1	1	1	1	2	2
Fins per Inch	24	24	24	24	16	20
Metering Device Type	Piston	Piston	Piston	Piston	Piston	Piston
COMPRESSOR						
Quantity	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single
SOUND POWER						
dBA	76	76	78	78	80	80
ELECTRICAL DATA						
Compressor RLA/LRA	12.8 / 58.3	14.1 / 73	16.7 / 79	16.7 / 109	19.9 / 109	26.4 / 134
Voltage/Phase (60 Hz)	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1
Indoor Blower FLA	3.8	3.8	3.8	3.8	5.4	5.4
Outdoor Fan FLA	0.95	0.95	1.3	1.4	1.4	1.4
M.C.A.[1]	20.8	22.4	26	26.1	31.7	39.8
M.O.P.[2]	30	35	40	40	50	60
OPERATING WEIGHT (LBS)	315	315	375	375	375	400
SHIP WEIGHT (LBS)	324	324	387	387	387	412

[1] Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.
[2] Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.
[3] Factory
Note: Always check the S&R plate for electrical data on the unit being installed.

			OUTDOOR AMBIENT TEMPERATURE																					
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																					
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	700	MBh	23.6	24.0	24.7	-	23.4	23.8	24.5	-	22.8	23.1	23.9	-	21.7	22.1	22.8	-	20.4	20.8	21.5	-	19.2	19.6	20.3	-
		S/T	0.56	0.49	0.35	-	0.57	0.49	0.36	-	0.60	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.56	0.42	-	1.00	0.61	0.48	-
		ΔT	17.90	16.30	13.33	-	17.85	16.26	13.29	-	18.08	16.48	13.51	-	17.84	16.24	13.27	-	17.62	16.03	13.06	-	18.62	17.03	14.06	-
		kW	1.55	1.55	1.55	-	1.75	1.75	1.74	-	1.97	1.97	1.97	-	2.21	2.21	2.21	-	2.48	2.48	2.48	-	2.80	2.80	2.79	-
		Amps	6.20	6.20	6.18	-	7.12	7.11	7.09	-	8.13	8.13	8.11	-	9.24	9.23	9.21	-	10.47	10.46	10.44	-	11.91	11.90	11.89	-
		Hi PR	128	129	130	-	149	149	150	-	170	170	171	-	193	193	194	-	218	218	219	-	244	245	245	-
		Lo PR	124	126	129	-	132	133	136	-	138	140	143	-	144	146	149	-	150	151	154	-	157	158	161	-
	800	MBh	23.9	24.2	24.9	-	23.7	24.0	24.7	-	23.1	23.4	24.1	-	22.0	22.3	23.0	-	20.7	21.0	21.7	-	19.5	19.8	20.5	-
		S/T	0.64	0.56	0.42	-	0.65	0.57	0.43	-	0.67	0.59	0.46	-	1.00	0.61	0.48	-	1.00	0.64	0.50	-	1.00	0.69	0.55	-
		ΔT	16.88	15.29	12.32	-	16.84	15.25	12.28	-	17.06	15.47	12.50	-	16.82	15.23	12.26	-	16.61	15.02	12.05	-	17.61	16.02	13.05	-
		kW	1.56	1.56	1.56	-	1.76	1.76	1.76	-	1.98	1.98	1.98	-	2.22	2.22	2.22	-	2.49	2.49	2.49	-	2.81	2.81	2.80	-
		Amps	6.25	6.25	6.23	-	7.17	7.16	7.14	-	8.18	8.18	8.16	-	9.29	9.28	9.26	-	10.52	10.51	10.49	-	11.96	11.95	11.94	-
		Hi PR	129	130	131	-	150	150	151	-	171	171	172	-	194	194	195	-	219	219	220	-	245	246	246	-
		Lo PR	126	127	130	-	133	135	138	-	140	142	145	-	146	147	150	-	151	153	156	-	158	160	163	-
	875	MBh	24.1	24.5	25.2	-	23.9	24.2	25.0	-	23.3	23.6	24.3	-	22.2	22.6	23.3	-	20.9	21.2	22.0	-	19.7	20.1	20.8	-
		S/T	0.68	0.60	0.46	-	0.68	0.61	0.47	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.54	-	1.00	0.73	0.59	-
		ΔT	16.25	14.65	11.68	-	16.20	14.61	11.64	-	16.43	14.83	11.86	-	16.19	14.59	11.62	-	15.97	14.38	11.41	-	16.97	15.38	12.41	-
		kW	1.57	1.57	1.56	-	1.77	1.77	1.76	-	1.99	1.99	1.99	-	2.23	2.23	2.23	-	2.50	2.50	2.49	-	2.82	2.81	2.81	-
		Amps	6.29	6.28	6.26	-	7.20	7.19	7.17	-	8.22	8.21	8.19	-	9.32	9.31	9.29	-	10.55	10.54	10.53	-	11.99	11.98	11.97	-
		Hi PR	130	131	131	-	150	151	152	-	172	172	173	-	195	195	196	-	219	220	221	-	246	246	247	-
		Lo PR	127	129	132	-	135	136	139	-	141	143	146	-	147	148	152	-	152	154	157	-	159	161	164	-
75	700	MBh	23.7	24.0	24.7	25.8	23.4	23.8	24.5	25.6	22.8	23.2	23.9	25.0	21.8	22.1	22.8	23.9	20.4	20.8	21.5	22.6	19.3	19.6	20.3	21.4
		S/T	0.70	0.62	0.48	0.3	0.70	0.63	0.49	0.3	1.00	0.65	0.51	0.4	1.00	0.67	0.53	0.4	1.00	0.69	0.55	0.4	1.00	1.00	0.61	0.5
		ΔT	21.39	19.80	16.83	13.8	21.35	19.76	16.79	13.7	21.57	19.98	17.01	13.9	21.33	19.74	16.77	13.7	21.12	19.53	16.56	13.5	22.12	20.53	17.56	14.5
		kW	1.55	1.55	1.54	1.6	1.75	1.75	1.74	1.8	1.97	1.97	1.97	2.0	2.21	2.21	2.21	2.2	2.48	2.48	2.48	2.5	2.80	2.79	2.79	2.8
		Amps	6.20	6.19	6.18	6.2	7.11	7.10	7.09	7.2	8.13	8.12	8.11	8.2	9.23	9.22	9.21	9.3	10.46	10.45	10.44	10.5	11.90	11.90	11.88	12.0
		Hi PR	128	129	130	132.0	149	149	150	152.4	170	171	171	173.7	193	193	194	196.6	218	218	219	221.4	244	245	246	247.8
		Lo PR	124	126	129	134.2	132	133	137	141.8	138	140	143	148.5	144	146	149	154.1	150	151	154	159.7	157	158	161	166.6
	800	MBh	23.9	24.2	25.0	26.0	23.7	24.0	24.7	25.8	23.1	23.4	24.1	25.2	22.0	22.3	23.1	24.1	20.7	21.0	21.7	22.8	19.5	19.8	20.6	21.6
		S/T	0.77	0.69	0.56	0.4	1.00	0.70	0.56	0.4	1.00	0.73	0.59	0.4	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	1.00	0.68	0.5
		ΔT	20.38	18.79	15.82	12.7	20.34	18.75	15.78	12.7	20.56	18.97	16.00	12.9	20.32	18.73	15.76	12.7	20.11	18.52	15.55	12.5	21.11	19.52	16.54	13.5
		kW	1.56	1.56	1.56	1.6	1.76	1.76	1.75	1.8	1.98	1.98	1.98	2.0	2.22	2.22	2.22	2.2	2.49	2.49	2.49	2.5	2.81	2.81	2.80	2.8
		Amps	6.25	6.24	6.23	6.3	7.16	7.15	7.14	7.2	8.18	8.17	8.16	8.2	9.28	9.27	9.26	9.3	10.51	10.50	10.49	10.6	11.95	11.95	11.93	12.0
		Hi PR	129	130	131	133.1	150	150	151	153.4	171	172	173	174.7	194	195	195	197.7	219	219	220	222.4	245	246	247	248.8
		Lo PR	126	127	131	135.8	133	135	138	143.5	140	142	145	150.1	146	147	150	155.8	151	153	156	161.3	158	160	163	168.2
	875	MBh	24.1	24.5	25.2	26.3	23.9	24.3	25.0	26.1	23.3	23.6	24.3	25.4	22.2	**22.6**	23.3	24.4	20.9	21.3	22.0	23.1	19.7	20.1	20.8	21.9
		S/T	0.81	0.73	0.59	0.4	1.00	0.74	0.60	0.5	1.00	0.76	0.63	0.5	1.00	**0.78**	0.65	0.5	1.00	0.81	0.67	0.5	1.00	1.00	0.72	0.6
		ΔT	19.75	18.15	15.18	12.1	19.70	18.11	15.14	12.1	19.93	18.33	15.36	12.3	19.69	**18.09**	15.12	12.0	19.47	17.88	14.91	11.8	20.47	18.88	15.91	12.8
		kW	1.57	1.57	1.56	1.6	1.77	1.76	1.76	1.8	1.99	1.99	1.98	2.0	2.23	**2.23**	2.22	2.2	2.50	2.50	2.49	2.5	2.81	2.81	2.81	2.8
		Amps	6.28	6.27	6.26	6.3	7.19	7.18	7.17	7.2	8.21	8.20	8.19	8.3	9.31	**9.30**	9.29	9.4	10.54	10.53	10.52	10.6	11.99	11.98	11.96	12.0
		Hi PR	130	131	132	133.8	150	151	152	154.2	172	172	173	175.5	195	**195**	196	198.4	219	220	221	223.2	246	246	247	249.6
		Lo PR	127	129	132	137.1	135	136	139	144.7	141	143	146	151.4	147	**149**	152	157.0	153	154	157	162.6	159	161	164	169.5

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	700	MBh	23.8	24.1	24.8	25.9	23.6	23.9	24.6	25.7	22.9	23.3	24.0	25.1	21.9	22.2	22.9	24.0	20.6	20.9	21.6	22.7	19.4	19.7	20.4	21.5
		S/T	1.00	0.75	0.61	0.5	1.00	0.75	0.61	0.5	1.00	0.78	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.74	0.6
		ΔT	24.92	23.33	20.35	17.3	24.87	23.28	20.31	17.2	25.10	23.51	20.53	17.5	24.86	23.27	20.29	17.2	24.64	23.05	20.08	17.0	25.64	24.05	21.08	18.0
		kW	1.55	1.55	1.55	1.6	1.75	1.75	1.74	1.8	1.97	1.97	1.97	2.0	2.21	2.21	2.21	2.2	2.48	2.48	2.48	2.5	2.80	2.80	2.79	2.8
		Amps	6.20	6.20	6.18	6.2	7.11	7.11	7.09	7.2	8.13	8.13	8.11	8.2	9.23	9.23	9.21	9.3	10.47	10.46	10.44	10.5	11.91	11.90	11.89	12.0
		Hi PR	129	129	130	132.3	149	149	150	152.6	170	171	172	173.9	193	194	195	196.9	218	218	219	221.6	244	245	246	248.0
		Lo PR	125	126	129	134.8	132	134	137	142.4	139	141	144	149.1	145	146	149	154.7	150	152	155	160.2	157	159	162	167.2
	800	MBh	24.0	24.4	25.1	26.2	23.8	24.2	24.9	26.0	23.2	23.5	24.2	25.3	22.1	22.5	23.2	24.3	20.8	21.2	21.9	23.0	19.6	20.0	20.7	21.8
		S/T	1.00	0.82	0.68	0.5	1.00	0.83	0.69	0.5	1.00	0.85	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7
		ΔT	23.91	22.31	19.34	16.3	23.86	22.27	19.30	16.2	24.09	22.49	19.52	16.4	23.85	22.25	19.28	16.2	23.63	22.04	19.07	16.0	24.63	23.04	20.07	17.0
		kW	1.56	1.56	1.56	1.6	1.76	1.76	1.76	1.8	1.98	1.98	1.98	2.0	2.22	2.22	2.22	2.2	2.49	2.49	2.49	2.5	2.81	2.81	2.80	2.8
		Amps	6.25	6.25	6.23	6.3	7.16	7.16	7.14	7.2	8.18	8.18	8.16	8.2	9.28	9.28	9.26	9.3	10.52	10.51	10.49	10.6	11.96	11.95	11.94	12.0
		Hi PR	130	130	131	133.3	150	151	151	153.7	171	172	173	175.0	194	195	196	197.9	219	220	220	222.7	245	246	247	249.1
		Lo PR	126	128	131	136.4	134	135	139	144.0	141	142	145	150.7	146	148	151	156.3	152	153	157	161.8	159	160	163	168.8
	875	MBh	24.3	24.6	25.3	26.4	24.0	24.4	25.1	26.2	23.4	23.8	24.5	25.6	22.4	22.7	**23.4**	24.5	21.0	21.4	22.1	23.2	19.9	20.2	20.9	22.0
		S/T	1.00	0.86	0.72	0.6	1.00	0.87	0.73	0.6	1.00	0.89	0.75	0.6	1.00	1.00	**0.77**	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.85	0.7
		ΔT	23.27	21.68	18.71	15.6	23.22	21.63	18.66	15.6	23.45	21.86	18.89	15.8	23.21	21.62	**18.65**	15.6	23.00	21.40	18.43	15.4	23.99	22.40	19.43	16.4
		kW	1.57	1.57	1.56	1.6	1.77	1.77	1.76	1.8	1.99	1.99	1.98	2.0	2.23	2.23	**2.23**	2.2	2.50	2.50	2.49	2.5	2.82	2.81	2.81	2.8
		Amps	6.28	6.28	6.26	6.3	7.20	7.19	7.17	7.2	8.21	8.21	8.19	8.3	9.32	9.31	**9.29**	9.4	10.55	10.54	10.52	10.6	11.99	11.98	11.97	12.0
		Hi PR	130	131	132	134.1	151	151	152	154.4	172	173	173	175.7	195	196	**196**	198.7	220	220	221	223.4	246	247	248	249.8
		Lo PR	128	129	132	137.7	135	137	140	145.3	142	143	147	152.0	148	149	**152**	157.6	153	155	158	163.1	160	162	165	170.1
85	700	MBh	24.2	24.5	25.2	26.3	24.0	24.3	25.0	26.1	23.3	23.7	24.4	25.5	22.3	22.6	23.3	24.4	21.0	21.3	22.0	23.1	19.8	20.1	20.8	21.9
		S/T	1.00	0.85	0.71	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.79	0.6	1.00	1.00	1.00	0.7
		ΔT	28.04	26.45	23.48	20.4	28.00	26.41	23.44	20.4	28.22	26.63	23.66	20.6	27.98	26.39	23.42	20.3	27.77	26.18	23.21	20.1	28.77	27.17	24.20	21.1
		kW	1.55	1.55	1.55	1.6	1.75	1.75	1.75	1.8	1.98	1.97	1.97	2.0	2.22	2.21	2.21	2.2	2.49	2.48	2.48	2.5	2.80	2.80	2.80	2.8
		Amps	6.22	6.21	6.20	6.3	7.13	7.13	7.11	7.2	8.15	8.14	8.13	8.2	9.25	9.24	9.23	9.3	10.48	10.48	10.46	10.5	11.93	11.92	11.90	12.0
		Hi PR	129	130	131	132.9	150	150	151	153.2	171	171	172	174.5	194	194	195	197.5	219	219	220	222.2	245	245	246	248.6
		Lo PR	127	128	131	136.6	134	136	139	144.3	141	142	146	150.9	147	148	151	156.6	152	154	157	162.1	159	161	164	169.0
	800	MBh	24.4	24.8	25.5	26.6	24.2	24.6	25.3	26.4	23.6	23.9	24.7	25.7	22.5	22.9	23.6	24.7	21.2	21.6	22.3	23.4	20.0	20.4	21.1	22.2
		S/T	1.00	0.92	0.79	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8
		ΔT	27.03	25.44	22.47	19.4	26.99	25.40	22.42	19.3	27.21	25.62	22.65	19.6	26.97	25.38	22.41	19.3	26.76	25.17	22.20	19.1	27.75	26.16	23.19	20.1
		kW	1.57	1.56	1.56	1.6	1.76	1.76	1.76	1.8	1.99	1.99	1.98	2.0	2.23	2.23	2.22	2.2	2.50	2.49	2.49	2.5	2.81	2.81	2.81	2.8
		Amps	6.27	6.26	6.25	6.3	7.18	7.17	7.16	7.2	8.20	8.19	8.18	8.2	9.30	9.29	9.28	9.3	10.53	10.53	10.51	10.6	11.98	11.97	11.95	12.0
		Hi PR	130	131	132	133.9	151	151	152	154.3	172	172	173	175.6	195	195	196	198.5	220	220	221	223.3	246	247	247	249.7
		Lo PR	128	130	133	138.3	136	137	141	145.9	142	144	147	152.6	148	150	153	158.2	154	155	158	163.7	161	162	165	170.7
	875	MBh	24.7	25.0	25.7	26.8	24.4	24.8	25.5	26.6	23.8	24.2	24.9	26.0	22.8	23.1	23.8	24.9	21.4	21.8	22.5	23.6	20.3	20.6	21.3	22.4
		S/T	1.00	0.96	0.82	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	26.39	24.80	21.83	18.8	26.35	24.76	21.79	18.7	26.57	24.98	22.01	18.9	26.33	24.74	21.77	18.7	26.12	24.53	21.56	18.5	27.12	25.52	22.55	19.5
		kW	1.57	1.57	1.57	1.6	1.77	1.77	1.77	1.8	1.99	1.99	1.99	2.0	2.23	2.23	2.23	2.2	2.50	2.50	2.50	2.5	2.82	2.82	2.81	2.8
		Amps	6.30	6.29	6.28	6.3	7.21	7.21	7.19	7.3	8.23	8.22	8.21	8.3	9.33	9.33	9.31	9.4	10.56	10.56	10.54	10.6	12.01	12.00	11.99	12.1
		Hi PR	131	132	132	134.7	151	152	153	155.0	173	173	174	176.3	196	196	197	199.3	220	221	222	224.0	247	247	248	250.4
		Lo PR	129	131	134	139.5	137	139	142	147.2	144	145	148	153.8	149	151	154	159.5	155	156	160	165.0	162	163	167	171.9

DB: Entering Indoor Dry Bulb Temperature

KW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions

			OUTDOOR AMBIENT TEMPERATURE																					
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																					
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	875	28.2	28.6	29.4	-	27.9	28.3	29.2	-	27.2	27.6	28.4	-	25.9	26.3	27.2	-	24.4	24.8	25.6	-	22.9	23.3	24.2	-	-
		0.60	0.52	0.38	-	0.61	0.53	0.39	-	0.63	0.56	0.41	-	1.00	0.58	0.43	-	1.00	0.60	0.46	-	1.00	0.65	0.51	-	-
		18.39	16.72	13.61	-	18.34	16.68	13.57	-	18.57	16.91	13.80	-	18.32	16.66	13.55	-	18.10	16.44	13.33	-	19.14	17.48	14.37	-	-
		1.84	1.84	1.83	-	2.08	2.08	2.07	-	2.34	2.34	2.34	-	2.63	2.63	2.63	-	2.96	2.95	2.95	-	3.33	3.33	3.33	-	-
		7.39	7.38	7.37	-	8.49	8.48	8.46	-	9.71	9.70	9.68	-	11.03	11.02	11.00	-	12.50	12.49	12.47	-	14.23	14.22	14.21	-	-
		277	278	280	-	321	322	324	-	367	368	370	-	416	417	419	-	470	471	473	-	526	528	530	-	-
		126	127	131	-	134	135	138	-	140	142	145	-	146	148	151	-	152	153	156	-	159	160	163	-	-
	1050	28.7	29.1	29.9	-	28.4	28.8	29.6	-	27.7	28.1	28.9	-	26.4	26.8	27.6	-	24.8	25.2	26.1	-	23.4	23.8	24.7	-	-
		0.69	0.61	0.47	-	0.70	0.62	0.48	-	0.72	0.65	0.50	-	1.00	0.67	0.52	-	1.00	0.69	0.55	-	1.00	0.74	0.60	-	-
		16.99	15.33	12.22	-	16.95	15.28	12.18	-	17.18	15.52	12.41	-	16.93	15.27	12.16	-	16.71	15.04	11.94	-	17.75	16.09	12.98	-	-
		1.86	1.85	1.85	-	2.10	2.09	2.09	-	2.36	2.36	2.36	-	2.65	2.65	2.64	-	2.97	2.97	2.97	-	3.35	3.35	3.35	-	-
		7.47	7.46	7.44	-	8.56	8.56	8.54	-	9.78	9.78	9.76	-	11.11	11.10	11.08	-	12.58	12.57	12.55	-	14.31	14.30	14.28	-	-
		280	281	283	-	324	325	327	-	370	371	373	-	419	421	423	-	473	474	476	-	530	531	533	-	-
		128	130	133	-	136	138	141	-	143	144	148	-	149	150	153	-	154	156	159	-	161	163	166	-	-
	1125	28.9	29.3	30.1	-	28.6	29.0	29.9	-	27.9	28.3	29.2	-	26.6	27.0	27.9	-	25.1	25.5	26.3	-	23.7	24.1	24.9	-	-
		0.72	0.64	0.50	-	0.72	0.64	0.50	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	1.00	0.62	-	-
		16.50	14.83	11.72	-	16.45	14.78	11.68	-	16.68	15.02	11.91	-	16.43	14.77	11.66	-	16.21	14.55	11.44	-	17.25	15.59	12.48	-	-
		1.86	1.86	1.86	-	2.10	2.10	2.10	-	2.37	2.37	2.36	-	2.66	2.65	2.65	-	2.98	2.98	2.97	-	3.36	3.36	3.35	-	-
		7.50	7.49	7.47	-	8.59	8.58	8.57	-	9.81	9.80	9.79	-	11.13	11.12	11.11	-	12.61	12.60	12.58	-	14.34	14.33	14.31	-	-
		282	283	285	-	325	327	329	-	371	373	374	-	421	422	424	-	474	475	477	-	531	532	534	-	-
		130	131	134	-	137	139	142	-	144	146	149	-	150	151	154	-	155	157	160	-	162	164	167	-	-
75	875	MBh	28.2	28.6	29.4	30.7	27.9	28.3	29.2	30.5	27.2	27.6	28.4	29.7	25.9	26.3	27.2	28.5	24.4	24.8	25.6	26.9	23.0	23.4	24.2	25.5
		S/T	0.74	0.66	0.52	0.4	1.00	0.66	0.52	0.4	1.00	0.69	0.55	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.59	0.4	1.00	1.00	0.65	0.5
		ΔT	22.05	20.38	17.27	14.1	22.00	20.34	17.23	14.0	22.23	20.57	17.46	14.2	21.98	20.32	17.21	14.0	21.76	20.10	16.99	13.8	22.80	21.14	18.03	14.8
		kW	1.84	1.84	1.83	1.9	2.08	2.07	2.07	2.1	2.34	2.34	2.34	2.4	2.63	2.63	2.63	2.6	2.95	2.95	2.95	3.0	3.33	3.33	3.33	3.3
		Amps	7.39	7.38	7.36	7.4	8.48	8.47	8.45	8.5	9.70	9.69	9.67	9.8	11.02	11.01	10.99	11.1	12.49	12.49	12.47	12.6	14.23	14.22	14.20	14.3
		Hi PR	277	278	280	285.3	321	322	324	329.1	367	368	370	375.0	416	418	420	424.5	470	471	473	477.8	527	528	530	534.7
		Lo PR	126	128	131	136.1	134	135	138	143.8	140	142	145	150.6	146	148	151	156.3	152	153	156	161.9	159	160	163	168.9
	1050	MBh	28.7	29.1	29.9	31.2	28.4	28.8	29.7	31.0	27.7	28.1	28.9	30.2	26.4	**26.8**	27.7	28.9	24.9	25.3	26.1	27.4	23.4	23.8	24.7	26.0
		S/T	0.83	0.75	0.61	0.5	1.00	0.75	0.61	0.5	1.00	0.78	0.64	0.5	1.00	**0.80**	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.74	0.6
		ΔT	20.65	18.99	15.88	12.7	20.61	18.94	15.84	12.6	20.84	19.18	16.07	12.8	20.59	**18.93**	15.82	12.6	20.37	18.70	15.60	12.4	21.41	19.75	16.64	13.4
		kW	1.85	1.85	1.85	1.9	2.09	2.09	2.09	2.1	2.36	2.36	2.35	2.4	2.65	**2.65**	2.64	2.7	2.97	2.97	2.97	3.0	3.35	3.35	3.34	3.4
		Amps	7.46	7.46	7.44	7.5	8.56	8.55	8.53	8.6	9.78	9.77	9.75	9.8	11.10	**11.09**	11.07	11.2	12.57	12.56	12.55	12.6	14.30	14.30	14.28	14.4
		Hi PR	280	282	284	288.5	324	326	327	332.3	370	371	373	378.2	420	**421**	423	427.7	473	474	476	481.0	530	531	533	537.9
		Lo PR	128	130	133	138.6	136	138	141	146.3	143	144	148	153.0	149	**150**	153	158.7	154	156	159	164.3	161	163	166	171.3
	1125	MBh	28.9	29.3	30.2	31.5	28.7	29.1	29.9	31.2	27.9	28.3	29.2	30.5	26.7	27.1	27.9	29.2	25.1	25.5	26.3	27.6	23.7	24.1	24.9	26.2
		S/T	0.85	0.77	0.63	0.5	1.00	0.78	0.64	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.76	0.6
		ΔT	20.15	18.49	15.38	12.2	20.11	18.44	15.34	12.1	20.34	18.68	15.57	12.4	20.09	18.43	15.32	12.1	19.87	18.21	15.10	11.9	20.91	19.25	16.14	12.9
		kW	1.86	1.86	1.86	1.9	2.10	2.10	2.09	2.1	2.37	2.36	2.36	2.4	2.66	2.65	2.65	2.7	2.98	2.98	2.97	3.0	3.36	3.35	3.35	3.4
		Amps	7.49	7.48	7.47	7.5	8.59	8.58	8.56	8.6	9.81	9.80	9.78	9.9	11.13	11.12	11.10	11.2	12.60	12.59	12.57	12.7	14.33	14.32	14.30	14.4
		Hi PR	282	283	285	289.8	326	327	329	333.6	372	373	375	379.5	421	422	424	429.0	474	476	477	482.3	531	532	534	539.2
		Lo PR	130	131	134	139.7	137	139	142	147.4	144	146	149	154.2	150	151	154	159.9	155	157	160	165.5	162	164	167	172.5

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	875	MBh	28.3	28.7	29.6	30.9	28.1	28.5	29.3	30.6	27.3	27.7	28.6	29.9	26.1	26.5	27.3	28.6	24.5	24.9	25.8	27.1	23.1	23.5	24.3	25.6
		S/T	1.00	0.79	0.65	0.5	1.00	0.79	0.65	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.78	0.6
		ΔT	25.73	24.07	20.96	17.7	25.69	24.02	20.91	17.7	25.92	24.25	21.15	17.9	25.67	24.00	20.90	17.7	25.45	23.78	20.67	17.5	26.49	24.82	21.72	18.5
		kW	1.84	1.84	1.83	1.9	2.08	2.08	2.07	2.1	2.34	2.34	2.34	2.4	2.63	2.63	2.63	2.6	2.96	2.95	2.95	3.0	3.33	3.33	3.33	3.3
		Amps	7.39	7.38	7.36	7.4	8.48	8.48	8.46	8.5	9.70	9.70	9.68	9.8	11.03	11.02	11.00	11.1	12.50	12.49	12.47	12.6	14.23	14.22	14.20	14.3
		Hi PR	278	279	281	285.8	322	323	325	329.6	368	369	371	375.6	417	418	420	425.0	470	472	473	478.3	527	528	530	535.2
		Lo PR	127	128	131	136.7	134	136	139	144.4	141	143	146	151.1	147	148	151	156.8	152	154	157	162.4	159	161	164	169.4
	1050	MBh	28.8	29.2	30.1	31.4	28.6	29.0	29.8	31.1	27.8	28.2	29.1	30.4	26.6	27.0	**27.8**	29.1	25.0	25.4	26.2	27.5	23.6	24.0	24.8	26.1
		S/T	1.00	0.88	0.74	0.6	1.00	0.88	0.74	0.6	1.00	0.91	0.77	0.6	1.00	1.00	**0.79**	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.87	0.7
		ΔT	24.34	22.67	19.57	16.3	24.29	22.63	19.52	16.3	24.53	22.86	19.75	16.5	24.28	22.61	**19.50**	16.3	24.05	22.39	19.28	16.1	25.10	23.43	20.32	17.1
		kW	1.86	1.85	1.85	1.9	2.10	2.09	2.09	2.1	2.36	2.36	2.36	2.4	2.65	2.65	**2.64**	2.7	2.97	2.97	2.97	3.0	3.35	3.35	3.34	3.4
		Amps	7.47	7.46	7.44	7.5	8.56	8.55	8.54	8.6	9.78	9.77	9.76	9.8	11.10	11.10	**11.08**	11.2	12.58	12.57	12.55	12.6	14.31	14.30	14.28	14.4
		Hi PR	281	282	284	289.0	325	326	328	332.8	371	372	374	378.7	420	421	**423**	428.2	474	475	477	481.5	530	532	534	538.4
		Lo PR	129	131	134	139.1	137	138	141	146.8	143	145	148	153.6	149	151	**154**	159.3	155	156	159	164.9	162	163	166	171.9
	1125	MBh	29.1	29.5	30.3	31.6	28.8	29.2	30.1	31.3	28.1	28.5	29.3	30.6	26.8	27.2	28.0	29.3	25.2	25.6	26.5	27.8	23.8	24.2	25.1	26.4
		S/T	1.00	0.90	0.76	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7
		ΔT	23.84	22.18	19.07	15.8	23.79	22.13	19.02	15.8	24.03	22.36	19.26	16.0	23.78	22.11	19.00	15.8	23.55	21.89	18.78	15.6	24.60	22.93	19.82	16.6
		kW	1.86	1.86	1.86	1.9	2.10	2.10	2.10	2.1	2.37	2.37	2.36	2.4	2.66	2.65	2.65	2.7	2.98	2.98	2.97	3.0	3.36	3.35	3.35	3.4
		Amps	7.50	7.49	7.47	7.6	8.59	8.58	8.56	8.6	9.81	9.80	9.78	9.9	11.13	11.12	11.10	11.2	12.61	12.60	12.58	12.7	14.34	14.33	14.31	14.4
		Hi PR	282	283	285	290.3	326	327	329	334.1	372	373	375	380.1	422	423	425	429.5	475	476	478	482.8	532	533	535	539.8
		Lo PR	130	132	135	140.3	138	139	143	148.0	145	146	149	154.7	150	152	155	160.4	156	157	161	166.0	163	164	168	173.0
85	875	MBh	28.8	29.2	30.1	31.3	28.6	29.0	29.8	31.1	27.8	28.2	29.1	30.4	26.6	26.9	27.8	29.1	25.0	25.4	26.2	27.5	23.6	24.0	24.8	26.1
		S/T	1.00	0.89	0.75	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.7
		ΔT	29.00	27.33	24.23	21.0	28.95	27.29	24.18	21.0	29.19	27.52	24.41	21.2	28.94	27.27	24.16	20.9	28.71	27.05	23.94	20.7	29.76	28.09	24.98	21.8
		kW	1.84	1.84	1.84	1.9	2.08	2.08	2.08	2.1	2.35	2.35	2.34	2.4	2.64	2.64	2.63	2.6	2.96	2.96	2.95	3.0	3.34	3.34	3.33	3.4
		Amps	7.41	7.40	7.39	7.5	8.51	8.50	8.48	8.6	9.73	9.72	9.70	9.8	11.05	11.04	11.02	11.1	12.52	12.51	12.49	12.6	14.25	14.24	14.22	14.3
		Hi PR	279	280	282	287.1	323	324	326	330.9	369	370	372	376.9	418	420	421	426.3	472	473	475	479.6	529	530	532	536.6
		Lo PR	128	130	133	138.6	136	138	141	146.3	143	144	148	153.0	149	150	153	158.7	154	156	159	164.3	161	163	166	171.3
	1050	MBh	29.3	29.7	30.5	31.8	29.0	29.4	30.3	31.6	28.3	28.7	29.5	30.8	27.0	27.4	28.3	29.6	25.5	25.9	26.7	28.0	24.1	24.5	25.3	26.6
		S/T	1.00	0.98	0.84	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	27.61	25.94	22.83	19.6	27.56	25.90	22.79	19.6	27.79	26.13	23.02	19.8	27.54	25.88	22.77	19.6	27.32	25.66	22.55	19.3	28.36	26.70	23.59	20.4
		kW	1.86	1.86	1.85	1.9	2.10	2.10	2.09	2.1	2.37	2.36	2.36	2.4	2.65	2.65	2.65	2.7	2.98	2.98	2.97	3.0	3.36	3.35	3.35	3.4
		Amps	7.49	7.48	7.46	7.5	8.58	8.58	8.56	8.6	9.80	9.80	9.78	9.9	11.12	11.12	11.10	11.2	12.60	12.59	12.57	12.7	14.33	14.32	14.30	14.4
		Hi PR	282	283	285	290.3	326	327	329	334.1	372	373	375	380.1	422	423	425	429.5	475	476	478	482.8	532	533	535	539.7
		Lo PR	131	132	136	141.0	139	140	143	148.7	145	147	150	155.5	151	153	156	161.2	157	158	161	166.8	164	165	168	173.8
	1125	MBh	29.5	29.9	30.8	32.1	29.3	29.7	30.5	31.8	28.5	28.9	29.8	31.1	27.3	27.7	28.5	29.8	25.7	26.1	27.0	28.3	24.3	24.7	25.6	26.8
		S/T	1.00	1.00	0.86	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.92	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	27.11	25.44	22.34	19.1	27.06	25.40	22.29	19.1	27.30	25.63	22.52	19.3	27.05	25.38	22.27	19.1	26.82	25.16	22.05	18.8	27.87	26.20	23.09	19.9
		kW	1.87	1.87	1.86	1.9	2.11	2.10	2.10	2.1	2.37	2.37	2.37	2.4	2.66	2.66	2.65	2.7	2.98	2.98	2.98	3.0	3.36	3.36	3.36	3.4
		Amps	7.52	7.51	7.49	7.6	8.61	8.60	8.58	8.7	9.83	9.82	9.80	9.9	11.15	11.14	11.13	11.2	12.63	12.62	12.60	12.7	14.36	14.35	14.33	14.4
		Hi PR	284	285	287	291.6	327	329	331	335.4	373	375	377	381.4	423	424	426	430.8	476	477	479	484.1	533	534	536	541.1
		Lo PR	132	134	137	142.2	140	141	144	149.9	146	148	151	156.6	152	154	157	162.3	158	159	163	167.9	165	166	170	174.9

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

High and low pressures are measured at the liquid and suction service valves. .

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																					
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																					
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1050	MBh	35.8	36.3	37.4	-	35.5	36.0	37.1	-	34.6	35.1	36.1	-	32.9	33.5	34.5	-	31.0	31.5	32.6	-	29.2	29.7	30.8	-
		S/T	0.63	0.55	0.41	-	0.63	0.55	0.41	-	1.00	0.58	0.44	-	1.00	0.60	0.46	-	1.00	0.62	0.48	-	1.00	1.00	0.54	-
		ΔT	19.63	17.81	14.42	-	19.58	17.76	14.37	-	19.83	18.02	14.63	-	19.56	17.74	14.35	-	19.32	17.50	14.11	-	20.45	18.64	15.25	-
		kW	2.35	2.35	2.34	-	2.65	2.65	2.64	-	2.98	2.98	2.97	-	3.34	3.34	3.33	-	3.74	3.74	3.73	-	4.21	4.21	4.21	-
		Amps	9.42	9.41	9.39	-	10.78	10.77	10.75	-	12.30	12.29	12.27	-	13.95	13.94	13.92	-	15.79	15.78	15.75	-	17.94	17.93	17.91	-
		Hi PR	82	82	83	-	95	95	96	-	108	109	109	-	123	123	124	-	138	139	139	-	155	156	156	-
		Lo PR	129	130	134	-	137	138	141	-	143	145	148	-	149	151	154	-	155	157	160	-	162	164	167	-
	1200	MBh	36.3	36.8	37.9	-	36.0	36.5	37.5	-	35.0	35.5	36.6	-	33.4	33.9	35.0	-	31.5	32.0	33.0	-	29.7	30.2	31.2	-
		S/T	0.69	0.61	0.47	-	0.69	0.62	0.48	-	1.00	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.69	0.54	-	1.00	1.00	0.60	-
		ΔT	18.53	16.72	13.33	-	18.48	16.67	13.28	-	18.74	16.92	13.53	-	18.46	16.65	13.26	-	18.22	16.40	13.02	-	19.36	17.54	14.15	-
		kW	2.37	2.36	2.36	-	2.66	2.66	2.66	-	3.00	2.99	2.99	-	3.36	3.35	3.35	-	3.76	3.75	3.75	-	4.23	4.23	4.22	-
		Amps	9.49	9.48	9.46	-	10.85	10.84	10.82	-	12.37	12.36	12.34	-	14.02	14.01	13.99	-	15.86	15.85	15.82	-	18.02	18.00	17.98	-
		Hi PR	82	83	83	-	95	96	96	-	109	109	110	-	123	124	124	-	139	140	140	-	156	156	157	-
		Lo PR	131	132	136	-	138	140	143	-	145	147	150	-	151	153	156	-	157	158	162	-	164	166	169	-
	1350	MBh	36.8	37.4	38.4	-	36.5	37.0	38.1	-	35.6	36.1	37.2	-	34.0	34.5	35.6	-	32.0	32.5	33.6	-	30.2	30.7	31.8	-
		S/T	0.72	0.64	0.50	-	0.73	0.65	0.51	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.72	0.58	-	1.00	1.00	0.63	-
		ΔT	17.61	15.79	12.40	-	17.56	15.74	12.35	-	17.81	16.00	12.61	-	17.54	15.72	12.33	-	17.30	15.48	12.09	-	18.43	16.62	13.23	-
		kW	2.38	2.38	2.37	-	2.68	2.67	2.67	-	3.01	3.01	3.00	-	3.37	3.37	3.36	-	3.77	3.77	3.76	-	4.24	4.24	4.23	-
		Amps	9.55	9.54	9.52	-	10.91	10.90	10.88	-	12.43	12.42	12.40	-	14.08	14.07	14.05	-	15.92	15.91	15.88	-	18.07	18.06	18.04	-
		Hi PR	83	84	84	-	96	96	97	-	110	110	111	-	124	125	125	-	140	140	141	-	157	157	158	-
		Lo PR	133	134	138	-	141	142	145	-	147	149	152	-	153	155	158	-	159	161	164	-	166	168	171	-
75	1050	MBh	35.8	36.3	37.4	39.0	35.5	36.0	37.1	38.7	34.6	35.1	36.2	37.8	33.0	33.5	34.5	36.2	31.0	31.5	32.6	34.2	29.2	29.7	30.8	32.4
		S/T	0.76	0.68	0.54	0.4	1.00	0.69	0.55	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.59	0.4	1.00	1.00	0.62	0.5	1.00	1.00	0.67	0.5
		ΔT	23.62	21.80	18.41	14.9	23.57	21.75	18.36	14.9	23.82	22.01	18.62	15.1	23.55	21.73	18.35	14.8	23.31	21.49	18.10	14.6	24.44	22.63	19.24	15.7
		kW	2.35	2.35	2.34	2.4	2.65	2.64	2.64	2.7	2.98	2.98	2.97	3.0	3.34	3.34	3.33	3.4	3.74	3.74	3.73	3.8	4.21	4.21	4.20	4.2
		Amps	9.41	9.40	9.38	9.5	10.77	10.76	10.74	10.8	12.30	12.28	12.26	12.4	13.94	13.93	13.91	14.0	15.78	15.77	15.75	15.8	17.94	17.93	17.90	18.0
		Hi PR	82	82	83	84.2	95	95	96	97.1	108	109	109	110.7	123	123	124	125.2	139	139	139	140.9	155	156	156	157.7
		Lo PR	129	130	134	139.1	137	138	141	147.0	143	145	148	153.8	149	151	154	159.6	155	157	160	165.3	162	164	167	172.5
	1200	MBh	36.3	36.8	37.9	39.5	36.0	36.5	37.6	39.2	35.0	35.6	36.6	38.3	33.4	**33.9**	35.0	36.6	31.5	32.0	33.0	34.7	29.7	30.2	31.3	32.9
		S/T	0.82	0.74	0.60	0.5	1.00	0.75	0.61	0.5	1.00	0.78	0.64	0.5	1.00	**0.80**	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6
		ΔT	22.52	20.71	17.32	13.8	22.47	20.66	17.27	13.8	22.73	20.91	17.52	14.0	22.45	**20.64**	17.25	13.7	22.21	20.40	17.01	13.5	23.35	21.53	18.14	14.6
		kW	2.36	2.36	2.36	2.4	2.66	2.66	2.65	2.7	2.99	2.99	2.99	3.0	3.35	**3.35**	3.35	3.4	3.76	3.75	3.75	3.8	4.23	4.22	4.22	4.2
		Amps	9.48	9.47	9.45	9.6	10.85	10.83	10.81	10.9	12.37	12.36	12.33	12.4	14.01	**14.00**	13.98	14.1	15.85	15.84	15.82	15.9	18.01	18.00	17.97	18.1
		Hi PR	83	83	83	84.9	95	96	96	97.8	109	109	110	111.4	124	**124**	124	125.9	139	140	140	141.6	156	156	157	158.4
		Lo PR	131	132	136	141.0	139	140	143	148.9	145	147	150	155.7	151	**153**	156	161.5	157	158	162	167.2	164	166	169	174.4
	1350	MBh	36.9	37.4	38.4	40.1	36.5	37.1	38.1	39.8	35.6	36.1	37.2	38.8	34.0	34.5	35.6	37.2	32.0	32.5	33.6	35.2	30.2	30.7	31.8	33.5
		S/T	0.86	0.78	0.64	0.5	1.00	0.78	0.64	0.5	1.00	0.81	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.77	0.6
		ΔT	21.60	19.78	16.39	12.9	21.55	19.73	16.34	12.8	21.80	19.99	16.60	13.1	21.53	19.71	16.33	12.8	21.29	19.47	16.08	12.6	22.42	20.61	17.22	13.7
		kW	2.38	2.37	2.37	2.4	2.67	2.67	2.67	2.7	3.01	3.00	3.00	3.0	3.37	3.36	3.36	3.4	3.77	3.77	3.76	3.8	4.24	4.24	4.23	4.3
		Amps	9.54	9.53	9.51	9.6	10.90	10.89	10.87	11.0	12.43	12.41	12.39	12.5	14.07	14.06	14.04	14.1	15.91	15.90	15.88	16.0	18.07	18.06	18.03	18.1
		Hi PR	83	84	84	85.6	96	97	97	98.5	110	110	111	112.0	124	125	125	126.6	140	140	141	142.3	157	157	158	159.0
		Lo PR	133	134	138	143.1	141	142	145	151.0	147	149	152	157.8	153	155	158	163.6	159	161	164	169.3	166	168	171	176.5

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1050	MBh	36.0	36.5	37.6	39.2	35.7	36.2	37.3	38.9	34.8	35.3	36.3	38.0	33.2	33.7	34.7	36.4	31.2	31.7	32.8	34.4	29.4	29.9	31.0	32.6
		S/T	1.00	0.81	0.67	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	1.00	0.7
		ΔT	27.64	25.82	22.43	18.9	27.59	25.77	22.38	18.9	27.84	26.03	22.64	19.1	27.57	25.75	22.36	18.9	27.33	25.51	22.12	18.6	28.46	26.65	23.26	19.7
		kW	2.35	2.35	2.34	2.4	2.65	2.65	2.64	2.7	2.98	2.98	2.97	3.0	3.34	3.34	3.33	3.4	3.74	3.74	3.73	3.8	4.21	4.21	4.21	4.2
		Amps	9.42	9.41	9.39	9.5	10.78	10.77	10.75	10.9	12.30	12.29	12.27	12.4	13.95	13.94	13.91	14.0	15.79	15.78	15.75	15.9	17.94	17.93	17.91	18.0
		Hi PR	82	82	83	84.4	95	95	96	97.3	108	109	109	110.8	123	123	124	125.4	139	139	140	141.1	155	156	156	157.8
		Lo PR	129	131	134	139.7	137	139	142	147.6	144	146	149	154.4	150	151	155	160.2	156	157	160	165.9	163	164	168	173.0
	1200	MBh	36.5	37.0	38.1	39.7	36.2	36.7	37.7	39.4	35.2	35.7	36.8	38.4	33.6	34.1	**35.2**	36.8	31.7	32.2	33.2	34.9	29.9	30.4	31.4	33.1
		S/T	1.00	0.87	0.73	0.6	1.00	0.88	0.74	0.6	1.00	1.00	0.77	0.6	1.00	1.00	**0.79**	0.6	1.00	1.00	0.81	0.7	1.00	1.00	1.00	0.7
		ΔT	26.54	24.72	21.34	17.8	26.49	24.67	21.29	17.8	26.75	24.93	21.54	18.0	26.47	24.66	**21.27**	17.8	26.23	24.41	21.02	17.5	27.37	25.55	22.16	18.6
		kW	2.37	2.36	2.36	2.4	2.66	2.66	2.66	2.7	3.00	2.99	2.99	3.0	3.36	3.35	**3.35**	3.4	3.76	3.75	3.75	3.8	4.23	4.23	4.22	4.2
		Amps	9.49	9.48	9.46	9.6	10.85	10.84	10.82	10.9	12.37	12.36	12.34	12.4	14.02	14.01	**13.98**	14.1	15.86	15.85	15.82	15.9	18.01	18.00	17.98	18.1
		Hi PR	83	83	84	85.1	96	96	97	98.0	109	110	110	111.5	124	124	**125**	126.1	139	140	140	141.8	156	157	157	158.5
		Lo PR	131	133	136	141.6	139	141	144	149.4	146	148	151	156.3	152	153	**157**	162.1	157	159	162	167.8	165	166	169	174.9
	1350	MBh	37.1	37.6	38.6	40.3	36.7	37.2	38.3	39.9	35.8	36.3	37.4	39.0	34.2	34.7	35.8	37.4	32.2	32.7	33.8	35.4	30.4	30.9	32.0	33.6
		S/T	1.00	0.91	0.77	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7
		ΔT	25.62	23.80	20.41	16.9	25.57	23.75	20.36	16.9	25.82	24.01	20.62	17.1	25.55	23.73	20.34	16.8	25.31	23.49	20.10	16.6	26.44	24.63	21.24	17.7
		kW	2.38	2.38	2.37	2.4	2.68	2.67	2.67	2.7	3.01	3.01	3.00	3.0	3.37	3.37	3.36	3.4	3.77	3.77	3.76	3.8	4.24	4.24	4.23	4.3
		Amps	9.55	9.54	9.52	9.6	10.91	10.90	10.88	11.0	12.43	12.42	12.40	12.5	14.08	14.07	14.04	14.1	15.92	15.91	15.88	16.0	18.07	18.06	18.04	18.1
		Hi PR	83	84	84	85.8	96	97	97	98.7	110	110	111	112.2	124	125	125	126.7	140	140	141	142.4	157	157	158	159.2
		Lo PR	133	135	138	143.7	141	143	146	151.5	148	150	153	158.4	154	155	159	164.2	160	161	164	169.9	167	168	172	177.0
85	1050	MBh	36.6	37.1	38.2	39.8	36.3	36.8	37.9	39.5	35.4	35.9	36.9	38.6	33.8	34.3	35.3	37.0	31.8	32.3	33.4	35.0	30.0	30.5	31.6	33.2
		S/T	1.00	0.92	0.78	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8
		ΔT	31.20	29.38	26.00	22.5	31.15	29.34	25.95	22.4	31.41	29.59	26.20	22.7	31.13	29.32	25.93	22.4	30.89	29.07	25.68	22.2	32.03	30.21	26.82	23.3
		kW	2.36	2.35	2.35	2.4	2.65	2.65	2.65	2.7	2.99	2.98	2.98	3.0	3.35	3.34	3.34	3.4	3.75	3.74	3.74	3.8	4.22	4.22	4.21	4.2
		Amps	9.45	9.44	9.41	9.5	10.81	10.80	10.77	10.9	12.33	12.32	12.29	12.4	13.97	13.96	13.94	14.0	15.81	15.80	15.78	15.9	17.97	17.96	17.94	18.0
		Hi PR	82	83	83	84.8	95	96	96	97.7	109	109	110	111.2	123	124	124	125.8	139	139	140	141.5	156	156	157	158.2
		Lo PR	131	133	136	141.6	139	141	144	149.5	146	148	151	156.3	152	153	157	162.1	157	159	162	167.8	165	166	169	175.0
	1200	MBh	37.1	37.6	38.7	40.3	36.8	37.3	38.3	40.0	35.8	36.3	37.4	39.0	34.2	34.7	35.8	37.4	32.3	32.8	33.8	35.5	30.5	31.0	32.0	33.7
		S/T	1.00	0.98	0.84	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	30.10	28.29	24.90	21.4	30.05	28.24	24.85	21.3	30.31	28.49	25.10	21.6	30.04	28.22	24.83	21.3	29.79	27.98	24.59	21.1	30.93	29.11	25.72	22.2
		kW	2.37	2.37	2.36	2.4	2.67	2.67	2.66	2.7	3.00	3.00	2.99	3.0	3.36	3.36	3.35	3.4	3.76	3.76	3.76	3.8	4.23	4.23	4.23	4.2
		Amps	9.52	9.51	9.48	9.6	10.88	10.87	10.84	10.9	12.40	12.39	12.37	12.5	14.04	14.03	14.01	14.1	15.88	15.87	15.85	16.0	18.04	18.03	18.01	18.1
		Hi PR	83	83	84	85.5	96	96	97	98.4	110	110	110	111.9	124	124	125	126.5	140	140	141	142.2	157	157	157	158.9
		Lo PR	133	135	138	143.5	141	143	146	151.4	148	149	153	158.2	154	155	159	164.0	159	161	164	169.7	167	168	171	176.9
	1350	MBh	37.7	38.2	39.2	40.9	37.3	37.8	38.9	40.5	36.4	36.9	38.0	39.6	34.8	35.3	36.4	38.0	32.8	33.3	34.4	36.0	31.0	31.5	32.6	34.2
		S/T	1.00	1.00	0.87	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.90	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.9
		ΔT	29.18	27.36	23.98	20.5	29.13	27.32	23.93	20.4	29.39	27.57	24.18	20.7	29.11	27.30	23.91	20.4	28.87	27.05	23.67	20.2	30.01	28.19	24.80	21.3
		kW	2.38	2.38	2.38	2.4	2.68	2.68	2.67	2.7	3.01	3.01	3.01	3.0	3.37	3.37	3.37	3.4	3.78	3.77	3.77	3.8	4.25	4.24	4.24	4.3
		Amps	9.58	9.56	9.54	9.6	10.94	10.93	10.90	11.0	12.46	12.45	12.42	12.5	14.10	14.09	14.07	14.2	15.94	15.93	15.91	16.0	18.10	18.09	18.07	18.2
		Hi PR	84	84	85	86.1	97	97	98	99.0	110	111	111	112.6	125	125	126	127.1	140	141	141	142.8	157	158	158	159.6
		Lo PR	135	137	140	145.6	143	145	148	153.5	150	152	155	160.3	156	157	161	166.1	161	163	166	171.8	169	170	173	179.0

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																					
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																					
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1300	MBh	40.2	40.8	41.9	-	39.8	40.4	41.6	-	38.8	39.4	40.6	-	37.0	37.6	38.8	-	34.8	35.4	36.6	-	32.9	33.4	34.6	-
		S/T	0.69	0.61	0.47	-	0.69	0.62	0.48	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.69	0.54	-	1.00	0.74	0.60	-
		ΔT	18.53	16.72	13.33	-	18.48	16.67	13.28	-	18.74	16.92	13.53	-	18.46	16.65	13.26	-	18.22	16.40	13.02	-	19.36	17.54	14.15	-
		kW	2.64	2.64	2.63	-	2.96	2.96	2.95	-	3.32	3.32	3.32	-	3.72	3.71	3.71	-	4.16	4.15	4.15	-	4.67	4.67	4.66	-
		Amps	10.57	10.56	10.54	-	12.06	12.05	12.02	-	13.72	13.71	13.68	-	15.52	15.50	15.48	-	17.52	17.51	17.48	-	19.87	19.86	19.84	-
		Hi PR	281	282	284	-	325	326	328	-	371	372	374	-	420	422	424	-	474	475	477	-	531	532	534	-
		Lo PR	129	130	133	-	136	138	141	-	143	145	148	-	149	150	154	-	154	156	159	-	161	163	166	-
	1400	MBh	40.6	41.1	42.3	-	40.2	40.8	42.0	-	39.2	39.7	40.9	-	37.4	38.0	39.1	-	35.2	35.8	37.0	-	33.2	33.8	35.0	-
		S/T	0.71	0.63	0.49	-	0.72	0.64	0.50	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	1.00	0.62	-
		ΔT	17.95	16.13	12.74	-	17.90	16.08	12.69	-	18.15	16.34	12.95	-	17.88	16.06	12.67	-	17.64	15.82	12.43	-	18.77	16.96	13.57	-
		kW	2.65	2.64	2.64	-	2.97	2.97	2.96	-	3.33	3.33	3.33	-	3.73	3.72	3.72	-	4.16	4.16	4.16	-	4.68	4.68	4.67	-
		Amps	10.62	10.60	10.58	-	12.10	12.09	12.06	-	13.76	13.75	13.72	-	15.56	15.54	15.52	-	17.56	17.55	17.52	-	19.92	19.90	19.88	-
		Hi PR	282	283	285	-	326	327	329	-	372	373	375	-	422	423	425	-	475	476	478	-	532	533	535	-
		Lo PR	130	131	135	-	138	139	142	-	144	146	149	-	150	152	155	-	156	157	160	-	163	164	167	-
	1575	MBh	41.3	41.9	43.1	-	41.0	41.5	42.7	-	39.9	40.5	41.7	-	38.2	38.7	39.9	-	36.0	36.5	37.7	-	34.0	34.6	35.7	-
		S/T	0.73	0.66	0.52	-	0.74	0.66	0.52	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-
		ΔT	17.03	15.22	11.83	-	16.98	15.17	11.78	-	17.24	15.42	12.03	-	16.96	15.15	11.76	-	16.72	14.91	11.52	-	17.86	16.04	12.65	-
		kW	2.66	2.66	2.65	-	2.99	2.98	2.98	-	3.35	3.35	3.34	-	3.74	3.74	3.73	-	4.18	4.18	4.17	-	4.69	4.69	4.68	-
		Amps	10.68	10.67	10.64	-	12.17	12.15	12.13	-	13.82	13.81	13.79	-	15.62	15.61	15.58	-	17.63	17.61	17.59	-	19.98	19.97	19.94	-
		Hi PR	285	286	288	-	329	330	332	-	375	376	378	-	424	425	427	-	478	479	481	-	535	536	538	-
		Lo PR	132	134	137	-	140	142	145	-	147	148	152	-	152	154	157	-	158	160	163	-	165	167	170	-
75	1300	MBh	40.2	40.8	42.0	43.8	39.9	40.4	41.6	43.4	38.8	39.4	40.6	42.4	37.0	**37.6**	38.8	40.6	34.9	35.4	36.6	38.4	32.9	33.4	34.6	36.4
		S/T	0.82	0.74	0.60	0.5	1.00	0.75	0.61	0.5	1.00	0.78	0.64	0.5	1.00	**0.80**	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6
		ΔT	22.52	20.71	17.32	13.8	22.47	20.66	17.27	13.8	22.73	20.91	17.52	14.0	22.45	**20.64**	17.25	13.7	22.21	20.40	17.01	13.5	23.35	21.53	18.14	14.6
		kW	2.64	2.63	2.63	2.7	2.96	2.96	2.95	3.0	3.32	3.32	3.31	3.3	3.71	**3.71**	3.71	3.7	4.15	4.15	4.15	4.2	4.67	4.66	4.66	4.7
		Amps	10.57	10.55	10.53	10.6	12.05	12.04	12.01	12.1	13.71	13.70	13.67	13.8	15.51	**15.49**	15.47	15.6	17.51	17.50	17.47	17.6	19.86	19.85	19.83	19.9
		Hi PR	281	282	284	289.1	325	326	328	333.0	371	372	374	379.0	421	**422**	424	428.6	474	475	477	482.1	531	532	534	539.1
		Lo PR	129	130	133	138.8	136	138	141	146.6	143	145	148	153.3	149	**150**	154	159.0	154	156	159	164.6	161	163	166	171.7
	1400	MBh	40.6	41.2	42.3	44.2	40.2	40.8	42.0	43.8	39.2	39.8	40.9	42.8	37.4	38.0	39.2	41.0	35.2	35.8	37.0	38.8	33.3	33.8	35.0	36.8
		S/T	0.85	0.77	0.63	0.5	1.00	0.77	0.63	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.76	0.6
		ΔT	21.94	20.12	16.73	13.2	21.89	20.07	16.68	13.2	22.14	20.33	16.94	13.4	21.87	20.05	16.67	13.2	21.63	19.81	16.42	12.9	22.76	20.95	17.56	14.0
		kW	2.64	2.64	2.64	2.7	2.97	2.97	2.96	3.0	3.33	3.33	3.32	3.3	3.72	3.72	3.72	3.7	4.16	4.16	4.15	4.2	4.68	4.67	4.67	4.7
		Amps	10.61	10.59	10.57	10.7	12.09	12.08	12.06	12.2	13.75	13.74	13.71	13.8	15.55	15.53	15.51	15.6	17.55	17.54	17.52	17.6	19.91	19.89	19.87	20.0
		Hi PR	282	284	286	290.5	326	328	330	334.4	372	374	376	380.5	422	423	425	430.0	475	477	479	483.5	532	534	536	540.5
		Lo PR	130	131	135	140.1	138	139	142	147.8	144	146	149	154.6	150	152	155	160.3	156	157	160	165.9	163	164	167	172.9
	1575	MBh	41.4	41.9	43.1	44.9	41.0	41.6	42.7	44.6	40.0	40.5	41.7	43.5	38.2	38.7	39.9	41.7	36.0	36.6	37.7	39.6	34.0	34.6	35.8	37.6
		S/T	0.87	0.79	0.65	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	0.84	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.78	0.6
		ΔT	21.02	19.21	15.82	12.3	20.97	19.16	15.77	12.3	21.23	19.41	16.02	12.5	20.96	19.14	15.75	12.2	20.71	18.90	15.51	12.0	21.85	20.03	16.64	13.1
		kW	2.66	2.66	2.65	2.7	2.98	2.98	2.97	3.0	3.35	3.34	3.34	3.4	3.74	3.74	3.73	3.8	4.18	4.17	4.17	4.2	4.69	4.69	4.68	4.7
		Amps	10.67	10.66	10.63	10.7	12.16	12.14	12.12	12.2	13.81	13.80	13.78	13.9	15.61	15.60	15.57	15.7	17.62	17.60	17.58	17.7	19.97	19.96	19.93	20.0
		Hi PR	285	286	288	293.0	329	330	332	336.9	375	376	378	383.0	425	426	428	432.5	478	479	481	486.0	535	536	538	543.0
		Lo PR	132	134	137	142.5	140	142	145	150.2	147	148	152	157.0	152	154	157	162.7	158	160	163	168.3	165	167	170	175.3

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

Expanded Cooling Data — GPHH34241 (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1300	MBh	40.4	41.0	42.2	44.0	40.1	40.6	41.8	43.6	39.0	39.6	40.8	42.6	37.3	37.8	**39.0**	40.8	35.1	35.6	36.8	38.6	33.1	33.6	34.8	36.6
		S/T	1.00	0.87	0.73	0.6	1.00	0.88	0.74	0.6	1.00	0.91	0.77	0.6	1.00	1.00	**0.79**	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.86	0.7
		ΔT	26.54	24.72	21.34	17.8	26.49	24.67	21.29	17.8	26.75	24.93	21.54	18.0	26.47	24.66	**21.27**	17.8	26.23	24.41	21.02	17.5	27.37	25.55	22.16	18.6
		kW	2.64	2.63	2.63	2.7	2.96	2.96	2.95	3.0	3.32	3.32	3.32	3.3	3.72	3.71	**3.71**	3.7	4.15	4.15	4.15	4.2	4.67	4.67	4.66	4.7
		Amps	10.57	10.56	10.54	10.6	12.06	12.05	12.02	12.1	13.72	13.71	13.68	13.8	15.51	15.50	**15.48**	15.6	17.52	17.51	17.48	17.6	19.87	19.86	19.84	19.9
		Hi PR	282	283	285	289.6	326	327	329	333.5	372	373	375	379.6	421	422	**424**	429.1	475	476	478	482.6	532	533	535	539.6
		Lo PR	129	131	134	139.4	137	138	142	147.1	144	145	148	153.9	149	151	**154**	159.6	155	157	160	165.2	162	164	167	172.2
	1400	MBh	40.8	41.4	42.5	44.4	40.4	41.0	42.2	44.0	39.4	40.0	41.2	43.0	37.6	38.2	39.4	41.2	35.4	36.0	37.2	39.0	33.5	34.0	35.2	37.0
		S/T	1.00	0.90	0.76	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	1.00	0.7
		ΔT	25.96	24.14	20.75	17.2	25.91	24.09	20.70	17.2	26.16	24.35	20.96	17.4	25.89	24.07	20.68	17.2	25.65	23.83	20.44	16.9	26.78	24.97	21.58	18.1
		kW	2.65	2.64	2.64	2.7	2.97	2.97	2.96	3.0	3.33	3.33	3.33	3.4	3.73	3.72	3.72	3.7	4.16	4.16	4.16	4.2	4.68	4.68	4.67	4.7
		Amps	10.61	10.60	10.58	10.7	12.10	12.09	12.06	12.2	13.76	13.75	13.72	13.8	15.55	15.54	15.52	15.6	17.56	17.55	17.52	17.6	19.91	19.90	19.88	20.0
		Hi PR	283	284	286	291.0	327	328	330	334.9	373	374	376	381.0	423	424	426	430.5	476	477	479	484.0	533	534	536	541.0
		Lo PR	130	132	135	140.7	138	140	143	148.4	145	146	150	155.1	151	152	155	160.8	156	158	161	166.4	163	165	168	173.5
	1575	MBh	41.6	42.1	43.3	45.1	41.2	41.8	43.0	44.8	40.2	40.7	41.9	43.7	38.4	38.9	40.1	41.9	36.2	36.8	38.0	39.8	34.2	34.8	36.0	37.8
		S/T	1.00	0.92	0.78	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8
		ΔT	25.04	23.23	19.84	16.3	24.99	23.18	19.79	16.3	25.25	23.43	20.04	16.5	24.97	23.16	19.77	16.3	24.73	22.92	19.53	16.0	25.87	24.05	20.66	17.2
		kW	2.66	2.66	2.65	2.7	2.98	2.98	2.98	3.0	3.35	3.34	3.34	3.4	3.74	3.74	3.73	3.8	4.18	4.18	4.17	4.2	4.69	4.69	4.68	4.7
		Amps	10.68	10.67	10.64	10.8	12.16	12.15	12.13	12.2	13.82	13.81	13.79	13.9	15.62	15.61	15.58	15.7	17.62	17.61	17.59	17.7	19.98	19.97	19.94	20.1
		Hi PR	285	287	289	293.5	329	331	333	337.4	375	377	379	383.5	425	426	428	433.0	478	480	482	486.5	535	537	539	543.5
		Lo PR	133	134	138	143.1	141	142	145	150.8	147	149	152	157.5	153	155	158	163.2	159	160	163	168.8	166	167	170	175.9
85	1300	MBh	41.1	41.7	42.8	44.7	40.7	41.3	42.5	44.3	39.7	40.3	41.5	43.3	37.9	38.5	39.7	41.5	35.7	36.3	37.5	39.3	33.8	34.3	35.5	37.3
		S/T	1.00	0.98	0.84	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	30.10	28.29	24.90	21.4	30.05	28.24	24.85	21.3	30.31	28.49	25.10	21.6	30.04	28.22	24.83	21.3	29.79	27.98	24.59	21.1	30.93	29.11	25.72	22.2
		kW	2.64	2.64	2.64	2.7	2.97	2.97	2.96	3.0	3.33	3.33	3.32	3.3	3.72	3.72	3.71	3.7	4.16	4.16	4.15	4.2	4.68	4.67	4.67	4.7
		Amps	10.60	10.59	10.56	10.7	12.09	12.08	12.05	12.2	13.75	13.73	13.71	13.8	15.54	15.53	15.50	15.6	17.55	17.54	17.51	17.6	19.90	19.89	19.86	20.0
		Hi PR	283	284	286	290.9	327	328	330	334.8	373	374	376	380.9	422	424	426	430.4	476	477	479	483.9	533	534	536	540.9
		Lo PR	131	133	136	141.3	139	140	144	149.0	146	147	150	155.8	151	153	156	161.5	157	158	162	167.1	164	165	169	174.1
	1400	MBh	41.5	42.0	43.2	45.0	41.1	41.7	42.9	44.7	40.1	40.6	41.8	43.6	38.3	38.9	40.0	41.9	36.1	36.7	37.9	39.7	34.1	34.7	35.9	37.7
		S/T	1.00	1.00	0.86	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.91	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	29.52	27.70	24.32	20.8	29.47	27.65	24.27	20.8	29.73	27.91	24.52	21.0	29.45	27.64	24.25	20.7	29.21	27.39	24.00	20.5	30.35	28.53	25.14	21.6
		kW	2.65	2.65	2.64	2.7	2.98	2.97	2.97	3.0	3.34	3.34	3.33	3.4	3.73	3.73	3.72	3.7	4.17	4.17	4.16	4.2	4.68	4.68	4.68	4.7
		Amps	10.64	10.63	10.61	10.7	12.13	12.12	12.09	12.2	13.79	13.78	13.75	13.9	15.58	15.57	15.55	15.7	17.59	17.58	17.55	17.7	19.94	19.93	19.90	20.0
		Hi PR	284	285	287	292.3	328	329	331	336.2	374	375	377	382.3	424	425	427	431.8	477	478	480	485.3	534	536	537	542.3
		Lo PR	132	134	137	142.6	140	142	145	150.3	147	148	152	157.0	153	154	157	162.7	158	160	163	168.3	165	167	170	175.4
	1575	MBh	42.2	42.8	44.0	45.8	41.9	42.4	43.6	45.4	40.8	41.4	42.6	44.4	39.1	39.6	40.8	42.6	36.9	37.4	38.6	40.4	34.9	35.4	36.6	38.4
		S/T	1.00	1.00	0.88	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.92	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.9
		ΔT	28.61	26.79	23.40	19.9	28.56	26.74	23.35	19.8	28.81	27.00	23.61	20.1	28.54	26.72	23.33	19.8	28.29	26.48	23.09	19.6	29.43	27.62	24.23	20.7
		kW	2.67	2.66	2.66	2.7	2.99	2.99	2.98	3.0	3.35	3.35	3.35	3.4	3.75	3.74	3.74	3.8	4.18	4.18	4.18	4.2	4.70	4.70	4.69	4.7
		Amps	10.71	10.69	10.67	10.8	12.19	12.18	12.16	12.3	13.85	13.84	13.81	13.9	15.65	15.63	15.61	15.7	17.65	17.64	17.62	17.7	20.01	19.99	19.97	20.1
		Hi PR	287	288	290	294.8	331	332	334	338.7	377	378	380	384.8	426	428	429	434.3	480	481	483	487.8	537	538	540	544.8
		Lo PR	135	136	140	145.0	142	144	147	152.7	149	151	154	159.4	155	157	160	165.1	161	162	165	170.7	168	169	172	177.8

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																					
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																					
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1400	MBh	46.8	47.5	48.9	-	46.4	47.0	48.4	-	45.2	45.8	47.2	-	43.1	43.7	45.1	-	40.5	41.1	42.5	-	38.1	38.8	40.2	-
		S/T	0.64	0.56	0.41	-	0.64	0.56	0.42	-	0.67	0.59	0.45	-	1.00	0.61	0.47	-	1.00	0.63	0.49	-	1.00	0.69	0.54	-
		ΔT	20.08	18.23	14.76	-	20.03	18.18	14.71	-	20.29	18.44	14.97	-	20.01	18.16	14.69	-	19.77	17.91	14.44	-	20.93	19.07	15.60	-
		kW	3.10	3.09	3.09	-	3.48	3.47	3.47	-	3.90	3.90	3.89	-	4.36	4.36	4.35	-	4.88	4.88	4.87	-	5.48	5.48	5.47	-
		Amps	12.12	12.11	12.08	-	13.87	13.85	13.82	-	15.82	15.80	15.77	-	17.93	17.91	17.88	-	20.29	20.27	20.24	-	23.05	23.04	23.01	-
		Hi PR	266	267	269	-	308	309	311	-	351	353	354	-	399	400	402	-	450	451	453	-	504	505	507	-
		Lo PR	124	126	129	-	132	133	137	-	138	140	143	-	144	146	149	-	150	151	154	-	156	158	161	-
	1600	MBh	47.4	48.1	49.5	-	47.0	47.7	49.1	-	45.8	46.4	47.8	-	43.7	44.3	45.7	-	41.1	41.8	43.2	-	38.8	39.4	40.8	-
		S/T	0.70	0.62	0.48	-	0.70	0.62	0.48	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.75	0.61	-
		ΔT	18.96	17.10	13.64	-	18.91	17.05	13.59	-	19.17	17.31	13.85	-	18.89	17.03	13.57	-	18.64	16.79	13.32	-	19.81	17.95	14.48	-
		kW	3.12	3.11	3.11	-	3.50	3.49	3.49	-	3.92	3.92	3.91	-	4.38	4.38	4.37	-	4.90	4.90	4.89	-	5.50	5.50	5.49	-
		Amps	12.21	12.20	12.17	-	13.96	13.94	13.91	-	15.91	15.89	15.86	-	18.02	18.00	17.97	-	20.38	20.36	20.33	-	23.14	23.13	23.10	-
		Hi PR	268	269	271	-	310	311	313	-	354	355	357	-	401	402	404	-	452	453	455	-	506	508	509	-
		Lo PR	126	128	131	-	134	135	138	-	140	142	145	-	146	147	151	-	151	153	156	-	158	160	163	-
	1800	MBh	48.2	48.8	50.2	-	47.7	48.4	49.8	-	46.5	47.2	48.6	-	44.4	45.1	46.5	-	41.8	42.5	43.9	-	39.5	40.2	41.6	-
		S/T	0.73	0.65	0.51	-	0.74	0.66	0.52	-	0.77	0.69	0.54	-	1.00	0.71	0.56	-	1.00	0.73	0.59	-	1.00	0.78	0.64	-
		ΔT	18.02	16.16	12.69	-	17.97	16.11	12.64	-	18.23	16.37	12.90	-	17.95	16.09	12.62	-	17.70	15.84	12.37	-	18.86	17.00	13.54	-
		kW	3.13	3.13	3.12	-	3.51	3.51	3.50	-	3.94	3.94	3.93	-	4.40	4.40	4.39	-	4.92	4.91	4.91	-	5.52	5.52	5.51	-
		Amps	12.29	12.27	12.24	-	14.03	14.02	13.99	-	15.98	15.97	15.94	-	18.09	18.08	18.05	-	20.45	20.44	20.41	-	23.22	23.21	23.18	-
		Hi PR	270	271	273	-	312	313	315	-	356	357	359	-	403	404	406	-	454	455	457	-	509	510	512	-
		Lo PR	128	130	133	-	136	137	140	-	142	144	147	-	148	149	153	-	153	155	158	-	160	162	165	-
75	1400	MBh	46.8	47.5	48.9	51.0	46.4	47.1	48.5	50.6	45.2	45.8	47.2	49.4	43.1	43.7	45.1	47.3	40.5	41.2	42.6	44.7	38.2	38.8	40.2	42.4
		S/T	0.77	0.69	0.55	0.4	0.78	0.70	0.56	0.4	1.00	0.72	0.58	0.4	1.00	0.74	0.60	0.5	1.00	0.77	0.63	0.5	1.00	1.00	0.68	0.5
		ΔT	24.17	22.31	18.84	15.2	24.12	22.26	18.79	15.2	24.38	22.52	19.05	15.5	24.10	22.24	18.77	15.2	23.85	21.99	18.52	14.9	25.01	23.15	19.69	16.1
		kW	3.09	3.09	3.08	3.1	3.47	3.47	3.47	3.5	3.90	3.90	3.89	3.9	4.36	4.36	4.35	4.4	4.88	4.87	4.87	4.9	5.48	5.48	5.47	5.5
		Amps	12.11	12.10	12.07	12.2	13.86	13.84	13.81	13.9	15.81	15.79	15.76	15.9	17.92	17.90	17.87	18.0	20.27	20.26	20.23	20.4	23.04	23.03	23.00	23.1
		Hi PR	266	267	269	273.5	308	309	311	315.4	352	353	355	359.3	399	400	402	406.6	450	451	453	457.6	504	506	507	512.0
		Lo PR	124	126	129	134.3	132	133	137	141.8	138	140	143	148.5	144	146	149	154.1	150	151	154	159.6	156	158	161	166.4
	1600	MBh	47.4	48.1	49.5	51.6	47.0	47.7	49.1	51.2	45.8	46.5	47.9	50.0	43.7	**44.4**	45.8	47.9	41.1	41.8	43.2	45.3	38.8	39.4	40.8	43.0
		S/T	0.83	0.75	0.61	0.5	1.00	0.76	0.62	0.5	1.00	0.79	0.64	0.5	1.00	**0.81**	0.66	0.5	1.00	0.83	0.69	0.5	1.00	1.00	0.74	0.6
		ΔT	23.04	21.19	17.72	14.1	22.99	21.14	17.67	14.1	23.26	21.40	17.93	14.3	22.98	**21.12**	17.65	14.1	22.73	20.87	17.40	13.8	23.89	22.03	18.56	15.0
		kW	3.11	3.11	3.10	3.1	3.49	3.49	3.48	3.5	3.92	3.92	3.91	3.9	4.38	**4.38**	4.37	4.4	4.90	4.89	4.89	4.9	5.50	5.50	5.49	5.5
		Amps	12.20	12.19	12.16	12.3	13.95	13.93	13.90	14.0	15.90	15.88	15.85	16.0	18.01	**17.99**	17.96	18.1	20.37	20.35	20.32	20.5	23.13	23.12	23.09	23.2
		Hi PR	268	269	271	275.8	310	311	313	317.7	354	355	357	361.6	401	**402**	404	408.9	452	453	455	459.9	507	508	510	514.3
		Lo PR	126	128	131	136.1	134	135	138	143.7	140	142	145	150.3	146	**147**	151	155.9	151	153	156	161.4	158	160	163	168.3
	1800	MBh	48.2	48.8	50.2	52.4	47.8	48.4	49.8	52.0	46.5	47.2	48.6	50.7	44.4	45.1	46.5	48.6	41.9	42.5	43.9	46.1	39.5	40.2	41.6	43.7
		S/T	0.87	0.79	0.65	0.5	1.00	0.80	0.65	0.5	1.00	0.82	0.68	0.5	1.00	0.84	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.78	0.6
		ΔT	22.10	20.24	16.77	13.2	22.05	20.19	16.72	13.1	22.31	20.45	16.99	13.4	22.03	20.17	16.71	13.1	21.78	19.92	16.46	12.9	22.95	21.09	17.62	14.0
		kW	3.13	3.13	3.12	3.1	3.51	3.51	3.50	3.5	3.94	3.93	3.93	4.0	4.40	4.40	4.39	4.4	4.91	4.91	4.90	4.9	5.52	5.51	5.51	5.5
		Amps	12.28	12.26	12.23	12.4	14.02	14.01	13.98	14.1	15.97	15.96	15.93	16.1	18.08	18.07	18.04	18.2	20.44	20.43	20.40	20.5	23.21	23.19	23.16	23.3
		Hi PR	270	271	273	278.0	312	313	315	319.9	356	357	359	363.8	403	405	406	411.1	454	456	457	462.0	509	510	512	516.5
		Lo PR	128	130	133	138.1	136	137	140	145.7	142	144	147	152.3	148	149	153	157.9	153	155	158	163.4	160	162	165	170.3

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

High and low pressures are measured at the liquid and suction service valves. .

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1400	MBh	47.1	47.7	49.1	51.3	46.7	47.3	48.7	50.8	45.4	46.1	47.5	49.6	43.3	44.0	45.4	47.5	40.8	41.4	42.8	45.0	38.4	39.1	40.5	42.6
		S/T	1.00	0.82	0.68	0.5	1.00	0.83	0.69	0.5	1.00	0.86	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7
		ΔT	28.28	26.42	22.95	19.4	28.23	26.37	22.90	19.3	28.49	26.63	23.16	19.6	28.21	26.35	22.88	19.3	27.96	26.10	22.64	19.0	29.12	27.27	23.80	20.2
		kW	3.09	3.09	3.09	3.1	3.48	3.47	3.47	3.5	3.90	3.90	3.89	3.9	4.36	4.36	4.35	4.4	4.88	4.88	4.87	4.9	5.48	5.48	5.47	5.5
		Amps	12.12	12.10	12.07	12.2	13.87	13.85	13.82	14.0	15.82	15.80	15.77	15.9	17.93	17.91	17.88	18.0	20.28	20.27	20.24	20.4	23.05	23.04	23.01	23.1
		Hi PR	266	268	269	274.0	308	309	311	315.9	352	353	355	359.8	399	401	402	407.1	450	452	453	458.1	505	506	508	512.5
		Lo PR	125	126	130	134.8	132	134	137	142.4	139	141	144	149.0	145	146	149	154.6	150	152	155	160.1	157	159	162	167.0
	1600	MBh	47.7	48.3	49.7	51.9	47.3	47.9	49.3	51.5	46.0	46.7	48.1	50.2	43.9	44.6	**46.0**	48.1	41.4	42.0	43.4	45.6	39.0	39.7	41.1	43.2
		S/T	1.00	0.89	0.74	0.6	1.00	0.89	0.75	0.6	1.00	0.92	0.78	0.6	1.00	1.00	**0.80**	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.87	0.7
		ΔT	27.16	25.30	21.83	18.2	27.11	25.25	21.78	18.2	27.37	25.51	22.04	18.4	27.09	25.23	**21.76**	18.2	26.84	24.98	21.51	17.9	28.00	26.14	22.68	19.1
		kW	3.11	3.11	3.11	3.1	3.50	3.49	3.49	3.5	3.92	3.92	3.91	3.9	4.38	4.38	**4.37**	4.4	4.90	4.90	4.89	4.9	5.50	5.50	5.49	5.5
		Amps	12.21	12.20	12.17	12.3	13.96	13.94	13.91	14.0	15.91	15.89	15.86	16.0	18.02	18.00	**17.97**	18.1	20.37	20.36	20.33	20.5	23.14	23.13	23.10	23.2
		Hi PR	269	270	272	276.3	311	312	314	318.2	354	356	357	362.1	402	403	**405**	409.4	453	454	456	460.3	507	508	510	514.8
		Lo PR	127	128	131	136.7	134	136	139	144.2	141	142	146	150.8	146	148	**151**	156.4	152	153	157	161.9	159	160	164	168.8
	1800	MBh	48.4	49.1	50.5	52.6	48.0	48.7	50.1	52.2	46.8	47.4	48.8	51.0	44.7	45.3	46.7	48.9	42.1	42.8	44.2	46.3	39.8	40.4	41.8	44.0
		S/T	1.00	0.92	0.78	0.6	1.00	0.93	0.79	0.6	1.00	0.95	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.91	0.8
		ΔT	26.21	24.35	20.89	17.3	26.16	24.30	20.84	17.2	26.42	24.56	21.10	17.5	26.14	24.28	20.82	17.2	25.89	24.04	20.57	17.0	27.06	25.20	21.73	18.1
		kW	3.13	3.13	3.12	3.2	3.51	3.51	3.50	3.5	3.94	3.94	3.93	4.0	4.40	4.40	4.39	4.4	4.92	4.91	4.91	4.9	5.52	5.52	5.51	5.5
		Amps	12.28	12.27	12.24	12.4	14.03	14.02	13.99	14.1	15.98	15.97	15.94	16.1	18.09	18.08	18.05	18.2	20.45	20.44	20.41	20.5	23.22	23.20	23.17	23.3
		Hi PR	271	272	274	278.4	313	314	316	320.4	357	358	360	364.3	404	405	407	411.6	455	456	458	462.5	509	510	512	516.9
		Lo PR	129	130	133	138.7	136	138	141	146.2	143	144	148	152.9	148	150	153	158.5	154	155	159	164.0	161	162	166	170.8
85	1400	MBh	47.9	48.5	49.9	52.1	47.4	48.1	49.5	51.6	46.2	46.9	48.3	50.4	44.1	44.8	46.2	48.3	41.5	42.2	43.6	45.7	39.2	39.9	41.3	43.4
		S/T	1.00	0.93	0.79	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	1.00	0.8
		ΔT	31.92	30.07	26.60	23.0	31.87	30.02	26.55	23.0	32.14	30.28	26.81	23.2	31.86	30.00	26.53	22.9	31.61	29.75	26.28	22.7	32.77	30.91	27.44	23.9
		kW	3.10	3.10	3.09	3.1	3.48	3.48	3.47	3.5	3.91	3.91	3.90	3.9	4.37	4.37	4.36	4.4	4.89	4.88	4.88	4.9	5.49	5.49	5.48	5.5
		Amps	12.15	12.14	12.11	12.2	13.90	13.88	13.86	14.0	15.85	15.84	15.81	15.9	17.96	17.95	17.92	18.0	20.32	20.30	20.27	20.4	23.08	23.07	23.04	23.2
		Hi PR	268	269	271	275.2	310	311	313	317.2	353	355	356	361.1	401	402	404	408.4	452	453	455	459.3	506	507	509	513.7
		Lo PR	127	128	131	136.7	134	136	139	144.3	141	142	146	150.9	146	148	151	156.5	152	154	157	162.0	159	160	164	168.8
	1600	MBh	48.5	49.1	50.5	52.7	48.1	48.7	50.1	52.2	46.8	47.5	48.9	51.0	44.7	45.4	46.8	48.9	42.2	42.8	44.2	46.4	39.8	40.5	41.9	44.0
		S/T	1.00	0.99	0.85	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.90	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	30.80	28.95	25.48	21.9	30.75	28.89	25.43	21.8	31.01	29.16	25.69	22.1	30.73	28.88	25.41	21.8	30.48	28.63	25.16	21.6	31.65	29.79	26.32	22.7
		kW	3.12	3.12	3.11	3.1	3.50	3.50	3.49	3.5	3.93	3.93	3.92	3.9	4.39	4.39	4.38	4.4	4.91	4.90	4.90	4.9	5.51	5.51	5.50	5.5
		Amps	12.24	12.23	12.20	12.3	13.99	13.98	13.95	14.1	15.94	15.93	15.90	16.0	18.05	18.04	18.01	18.1	20.41	20.39	20.36	20.5	23.17	23.16	23.13	23.3
		Hi PR	270	271	273	277.5	312	313	315	319.4	356	357	359	363.3	403	404	406	410.6	454	455	457	461.6	508	510	511	516.0
		Lo PR	129	130	133	138.5	136	138	141	146.1	143	144	147	152.7	148	150	153	158.3	154	155	159	163.8	161	162	165	170.7
	1800	MBh	49.2	49.9	51.3	53.4	48.8	49.5	50.9	53.0	47.6	48.2	49.6	51.8	45.5	46.1	47.5	49.7	42.9	43.6	45.0	47.1	40.6	41.2	42.6	44.7
		S/T	1.00	1.00	0.88	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.94	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.9
		ΔT	29.86	28.00	24.53	20.9	29.81	27.95	24.48	20.9	30.07	28.21	24.74	21.2	29.79	27.93	24.46	20.9	29.54	27.68	24.22	20.6	30.70	28.85	25.38	21.8
		kW	3.14	3.14	3.13	3.2	3.52	3.52	3.51	3.5	3.95	3.94	3.94	4.0	4.41	4.40	4.40	4.4	4.92	4.92	4.91	4.9	5.53	5.52	5.52	5.5
		Amps	12.32	12.30	12.27	12.4	14.07	14.05	14.02	14.2	16.02	16.00	15.97	16.1	18.13	18.11	18.08	18.2	20.48	20.47	20.44	20.6	23.25	23.24	23.21	23.3
		Hi PR	272	273	275	279.7	314	315	317	321.6	358	359	361	365.5	405	406	408	412.8	456	457	459	463.8	511	512	514	518.2
		Lo PR	131	132	135	140.5	138	140	143	148.1	145	146	149	154.7	150	152	155	160.3	156	157	161	165.8	163	164	167	172.7

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																					
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																					
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1500	MBh	58.0	58.9	60.6	-	57.5	58.3	60.1	-	56.0	56.8	58.6	-	53.4	54.2	55.9	-	50.2	51.0	52.8	-	47.3	48.1	49.9	-
		S/T	0.59	0.52	0.39	-	0.60	0.52	0.39	-	0.62	0.55	0.42	-	0.64	0.57	0.43	-	1.00	0.59	0.46	-	1.00	0.64	0.51	-
		ΔT	21.05	19.10	15.45	-	21.00	19.04	15.40	-	21.27	19.32	15.67	-	20.98	19.02	15.38	-	20.72	18.76	15.11	-	21.94	19.99	16.34	-
		kW	3.78	3.78	3.77	-	4.27	4.27	4.26	-	4.82	4.81	4.81	-	5.41	5.41	5.40	-	6.07	6.07	6.06	-	6.85	6.84	6.84	-
		Amps	15.05	15.04	15.00	-	17.30	17.28	17.24	-	19.80	19.78	19.75	-	22.51	22.49	22.46	-	25.54	25.52	25.48	-	29.09	29.07	29.04	-
		Hi PR	276	277	279	-	320	321	323	-	365	367	369	-	415	416	418	-	468	469	471	-	524	525	527	-
		Lo PR	121	122	125	-	128	129	132	-	134	136	139	-	140	141	144	-	145	147	150	-	152	153	156	-
	1700	MBh	58.8	59.6	61.3	-	58.2	59.1	60.8	-	56.7	57.5	59.3	-	54.1	54.9	56.7	-	50.9	51.7	53.5	-	48.0	48.8	50.6	-
		S/T	0.64	0.57	0.44	-	0.65	0.58	0.45	-	0.67	0.60	0.47	-	0.69	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.69	0.56	-
		ΔT	19.95	17.99	14.34	-	19.89	17.94	14.29	-	20.17	18.21	14.57	-	19.87	17.92	14.27	-	19.61	17.66	14.01	-	20.84	18.88	15.23	-
		kW	3.80	3.80	3.79	-	4.30	4.29	4.28	-	4.84	4.84	4.83	-	5.43	5.43	5.42	-	6.10	6.09	6.08	-	6.87	6.87	6.86	-
		Amps	15.16	15.14	15.11	-	17.41	17.39	17.35	-	19.91	19.89	19.85	-	22.62	22.60	22.56	-	25.65	25.63	25.59	-	29.20	29.18	29.14	-
		Hi PR	278	280	282	-	322	323	325	-	368	369	371	-	417	418	420	-	470	471	473	-	526	527	529	-
		Lo PR	122	124	127	-	130	131	134	-	136	137	140	-	141	143	146	-	147	148	151	-	153	155	158	-
	1900	MBh	59.6	60.4	62.2	-	59.1	59.9	61.6	-	57.6	58.4	60.1	-	55.0	55.8	57.5	-	51.8	52.6	54.3	-	48.9	49.7	51.4	-
		S/T	0.68	0.60	0.47	-	0.68	0.61	0.48	-	0.71	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.72	0.59	-
		ΔT	19.01	17.05	13.41	-	18.95	17.00	13.35	-	19.23	17.28	13.63	-	18.93	16.98	13.33	-	18.67	16.72	13.07	-	19.90	17.94	14.29	-
		kW	3.83	3.82	3.81	-	4.32	4.31	4.30	-	4.86	4.86	4.85	-	5.45	5.45	5.44	-	6.12	6.11	6.10	-	6.89	6.89	6.88	-
		Amps	15.25	15.24	15.20	-	17.50	17.48	17.44	-	20.00	19.98	19.95	-	22.71	22.69	22.66	-	25.74	25.72	25.68	-	29.29	29.27	29.24	-
		Hi PR	281	282	284	-	324	325	327	-	370	371	373	-	419	420	422	-	472	473	475	-	528	530	532	-
		Lo PR	124	126	129	-	131	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-
75	1500	MBh	58.1	58.9	60.6	63.3	57.5	58.4	60.1	62.7	56.0	56.9	58.6	61.2	53.4	54.2	56.0	58.6	50.2	51.1	52.8	55.4	47.3	48.2	49.9	52.5
		S/T	0.71	0.64	0.51	0.4	0.72	0.65	0.52	0.4	1.00	0.67	0.54	0.4	1.00	0.69	0.56	0.4	1.00	0.71	0.58	0.4	1.00	0.76	0.63	0.5
		ΔT	25.35	23.39	19.74	16.0	25.29	23.34	19.69	15.9	25.57	23.61	19.97	16.2	25.27	23.32	19.67	15.9	25.01	23.06	19.41	15.6	26.24	24.28	20.63	16.9
		kW	3.78	3.77	3.77	3.8	4.27	4.26	4.26	4.3	4.82	4.81	4.80	4.8	5.41	5.40	5.40	5.4	6.07	6.07	6.06	6.1	6.85	6.84	6.83	6.9
		Amps	15.04	15.02	14.98	15.2	17.28	17.26	17.23	17.4	19.79	19.77	19.73	19.9	22.50	22.48	22.44	22.6	25.52	25.51	25.47	25.6	29.08	29.06	29.02	29.2
		Hi PR	276	278	280	284.4	320	321	323	328.0	366	367	369	373.6	415	416	418	422.7	468	469	471	475.7	524	526	527	532.3
		Lo PR	121	122	125	130.2	128	129	132	137.6	134	136	139	144.0	140	141	144	149.4	145	147	150	154.7	152	153	156	161.4
	1700	MBh	58.8	59.6	61.3	64.0	58.3	59.1	60.8	63.5	56.8	57.6	59.3	62.0	54.1	**55.0**	56.7	59.3	51.0	51.8	53.5	56.2	48.1	48.9	50.6	53.3
		S/T	0.77	0.70	0.56	0.4	0.77	0.70	0.57	0.4	1.00	0.73	0.59	0.5	1.00	**0.74**	0.61	0.5	1.00	0.77	0.63	0.5	1.00	1.00	0.68	0.5
		ΔT	24.24	22.29	18.64	14.9	24.19	22.24	18.59	14.8	24.46	22.51	18.86	15.1	24.17	**22.22**	18.57	14.8	23.91	21.95	18.31	14.5	25.13	23.18	19.53	15.7
		kW	3.80	3.80	3.79	3.8	4.29	4.29	4.28	4.3	4.84	4.84	4.83	4.9	5.43	**5.43**	5.42	5.5	6.09	6.09	6.08	6.1	6.87	6.87	6.86	6.9
		Amps	15.15	15.13	15.09	15.3	17.39	17.37	17.34	17.5	19.90	19.88	19.84	20.0	22.61	**22.59**	22.55	22.7	25.63	25.62	25.58	25.7	29.19	29.17	29.13	29.3
		Hi PR	279	280	282	286.6	322	323	325	330.2	368	369	371	375.8	417	**418**	420	424.9	470	471	473	477.9	527	528	530	534.5
		Lo PR	122	124	127	131.9	130	131	134	139.2	136	137	141	145.6	141	**143**	146	151.1	147	148	151	156.4	153	155	158	163.1
	1900	MBh	59.6	60.5	62.2	64.8	59.1	59.9	61.7	64.3	57.6	58.4	60.2	62.8	55.0	55.8	57.6	60.2	51.8	52.6	54.4	57.0	48.9	49.7	51.5	54.1
		S/T	0.80	0.73	0.60	0.5	0.81	0.73	0.60	0.5	1.00	0.76	0.63	0.5	1.00	0.78	0.64	0.5	1.00	0.80	0.67	0.5	1.00	1.00	0.72	0.6
		ΔT	23.30	21.35	17.70	13.9	23.25	21.30	17.65	13.9	23.52	21.57	17.92	14.1	23.23	21.28	17.63	13.8	22.97	21.02	17.37	13.6	24.19	22.24	18.59	14.8
		kW	3.82	3.82	3.81	3.8	4.31	4.31	4.30	4.3	4.86	4.86	4.85	4.9	5.45	5.45	5.44	5.5	6.11	6.11	6.10	6.1	6.89	6.89	6.88	6.9
		Amps	15.24	15.22	15.18	15.4	17.48	17.47	17.43	17.6	19.99	19.97	19.93	20.1	22.70	22.68	22.64	22.8	25.73	25.71	25.67	25.8	29.28	29.26	29.22	29.4
		Hi PR	281	282	284	288.7	324	326	327	332.3	370	371	373	377.9	419	420	422	427.1	472	473	475	480.1	529	530	532	536.6
		Lo PR	124	126	129	133.7	131	133	136	141.1	138	139	142	147.5	143	145	148	152.9	149	150	153	158.2	155	157	160	164.9

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1500	MBh	58.4	59.2	60.9	63.6	57.8	58.7	60.4	63.0	56.3	57.2	58.9	61.5	53.7	54.5	56.3	58.9	50.5	51.4	53.1	55.7	47.6	48.5	50.2	52.8
		S/T	0.84	0.76	0.63	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	0.81	0.68	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.75	0.6
		ΔT	29.67	27.72	24.07	20.3	29.62	27.66	24.02	20.2	29.89	27.94	24.29	20.5	29.60	27.64	24.00	20.2	29.34	27.38	23.74	20.0	30.56	28.61	24.96	21.2
		kW	3.78	3.78	3.77	3.8	4.27	4.27	4.26	4.3	4.82	4.81	4.81	4.8	5.41	5.41	5.40	5.4	6.07	6.07	6.06	6.1	6.85	6.84	6.84	6.9
		Amps	15.05	15.03	14.99	15.2	17.29	17.28	17.24	17.4	19.80	19.78	19.74	19.9	22.51	22.49	22.45	22.6	25.54	25.52	25.48	25.7	29.09	29.07	29.03	29.2
		Hi PR	277	278	280	284.9	321	322	324	328.5	366	367	369	374.1	415	417	418	423.3	468	469	471	476.2	525	526	528	532.8
		Lo PR	121	123	126	130.8	128	130	133	138.1	135	136	139	144.5	140	142	145	149.9	146	147	150	155.3	152	154	157	161.9
	1700	MBh	59.1	59.9	61.6	64.3	58.6	59.4	61.1	63.8	57.1	57.9	59.6	62.3	54.4	55.3	**57.0**	59.6	51.3	52.1	53.8	56.5	48.4	49.2	50.9	53.6
		S/T	1.00	0.82	0.69	0.5	1.00	0.82	0.69	0.6	1.00	0.85	0.72	0.6	1.00	0.87	**0.73**	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7
		ΔT	28.57	26.61	22.97	19.2	28.51	26.56	22.91	19.1	28.79	26.84	23.19	19.4	28.49	26.54	**22.89**	19.1	28.23	26.28	22.63	18.9	29.46	27.50	23.85	20.1
		kW	3.80	3.80	3.79	3.8	4.29	4.29	4.28	4.3	4.84	4.84	4.83	4.9	5.43	5.43	**5.42**	5.5	6.10	6.09	6.08	6.1	6.87	6.87	6.86	6.9
		Amps	15.16	15.14	15.10	15.3	17.40	17.39	17.35	17.5	19.91	19.89	19.85	20.0	22.62	22.60	**22.56**	22.7	25.64	25.63	25.59	25.8	29.20	29.18	29.14	29.3
		Hi PR	279	280	282	287.1	323	324	326	330.7	368	370	372	376.3	418	419	**421**	425.5	470	472	474	478.4	527	528	530	535.0
		Lo PR	123	124	127	132.4	130	132	135	139.8	136	138	141	146.2	142	143	**146**	151.6	147	149	152	156.9	154	155	158	163.6
	1900	MBh	59.9	60.8	62.5	65.1	59.4	60.2	62.0	64.6	57.9	58.7	60.5	63.1	55.3	56.1	57.9	60.5	52.1	52.9	54.7	57.3	49.2	50.0	51.8	54.4
		S/T	1.00	0.85	0.72	0.6	1.00	0.85	0.72	0.6	1.00	0.88	0.75	0.6	1.00	0.90	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.84	0.7
		ΔT	27.63	25.67	22.03	18.2	27.58	25.62	21.97	18.2	27.85	25.90	22.25	18.5	27.56	25.60	21.95	18.2	27.29	25.34	21.69	17.9	28.52	26.56	22.92	19.1
		kW	3.82	3.82	3.81	3.8	4.31	4.31	4.30	4.3	4.86	4.86	4.85	4.9	5.45	5.45	5.44	5.5	6.12	6.11	6.10	6.1	6.89	6.89	6.88	6.9
		Amps	15.25	15.23	15.20	15.4	17.50	17.48	17.44	17.6	20.00	19.98	19.94	20.1	22.71	22.69	22.65	22.8	25.74	25.72	25.68	25.9	29.29	29.27	29.23	29.4
		Hi PR	281	283	284	289.3	325	326	328	332.8	371	372	374	378.5	420	421	423	427.6	473	474	476	480.6	529	530	532	537.1
		Lo PR	125	126	129	134.3	132	133	136	141.6	138	140	143	148.0	144	145	148	153.4	149	151	154	158.8	156	157	160	165.4
85	1500	MBh	59.3	60.2	61.9	64.5	58.8	59.6	61.4	64.0	57.3	58.1	59.9	62.5	54.7	55.5	57.3	59.9	51.5	52.3	54.1	56.7	48.6	49.4	51.2	53.8
		S/T	1.00	0.86	0.73	0.6	1.00	0.87	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	1.00	0.7
		ΔT	33.51	31.55	27.91	24.1	33.45	31.50	27.85	24.1	33.73	31.78	28.13	24.3	33.43	31.48	27.83	24.1	33.17	31.22	27.57	23.8	34.40	32.44	28.79	25.0
		kW	3.79	3.79	3.78	3.8	4.28	4.28	4.27	4.3	4.83	4.82	4.82	4.9	5.42	5.42	5.41	5.4	6.08	6.08	6.07	6.1	6.86	6.85	6.84	6.9
		Amps	15.09	15.08	15.04	15.2	17.34	17.32	17.28	17.5	19.84	19.82	19.79	20.0	22.55	22.53	22.50	22.7	25.58	25.56	25.52	25.7	29.13	29.11	29.08	29.2
		Hi PR	278	279	281	286.2	322	323	325	329.8	367	369	371	375.4	417	418	420	424.6	470	471	473	477.5	526	527	529	534.1
		Lo PR	123	124	127	132.6	130	132	135	139.9	137	138	141	146.3	142	144	147	151.7	147	149	152	157.1	154	156	159	163.7
	1700	MBh	60.1	60.9	62.6	65.3	59.5	60.4	62.1	64.7	58.0	58.8	60.6	63.2	55.4	56.2	58.0	60.6	52.2	53.1	54.8	57.4	49.3	50.2	51.9	54.5
		S/T	1.00	0.91	0.78	0.6	1.00	0.92	0.79	0.7	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8
		ΔT	32.40	30.45	26.80	23.0	32.35	30.40	26.75	23.0	32.63	30.67	27.02	23.2	32.33	30.38	26.73	22.9	32.07	30.12	26.47	22.7	33.29	31.34	27.69	23.9
		kW	3.81	3.81	3.80	3.8	4.30	4.30	4.29	4.3	4.85	4.85	4.84	4.9	5.44	5.44	5.43	5.5	6.10	6.10	6.09	6.1	6.88	6.88	6.87	6.9
		Amps	15.20	15.18	15.15	15.3	17.45	17.43	17.39	17.6	19.95	19.93	19.89	20.1	22.66	22.64	22.60	22.8	25.69	25.67	25.63	25.8	29.24	29.22	29.18	29.4
		Hi PR	280	282	284	288.4	324	325	327	332.0	370	371	373	377.6	419	420	422	426.8	472	473	475	479.7	528	530	531	536.3
		Lo PR	125	126	129	134.2	132	133	136	141.6	138	140	143	148.0	144	145	148	153.4	149	151	154	158.7	156	157	160	165.4
	1900	MBh	60.9	61.7	63.5	66.1	60.4	61.2	63.0	65.6	58.9	59.7	61.4	64.1	56.3	57.1	58.8	61.5	53.1	53.9	55.6	58.3	50.2	51.0	52.7	55.4
		S/T	1.00	0.95	0.81	0.7	1.00	0.95	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8
		ΔT	31.46	29.51	25.86	22.1	31.41	29.46	25.81	22.0	31.69	29.73	26.08	22.3	31.39	29.44	25.79	22.0	31.13	29.18	25.53	21.7	32.35	30.40	26.75	23.0
		kW	3.83	3.83	3.82	3.9	4.32	4.32	4.31	4.3	4.87	4.87	4.86	4.9	5.46	5.46	5.45	5.5	6.12	6.12	6.11	6.2	6.90	6.90	6.89	6.9
		Amps	15.29	15.28	15.24	15.4	17.54	17.52	17.48	17.7	20.04	20.02	19.99	20.2	22.75	22.73	22.70	22.9	25.78	25.76	25.72	25.9	29.33	29.31	29.28	29.4
		Hi PR	283	284	286	290.6	326	327	329	334.1	372	373	375	379.8	421	422	424	428.9	474	475	477	481.9	530	532	534	538.4
		Lo PR	126	128	131	136.1	134	135	138	143.4	140	142	145	149.8	146	147	150	155.2	151	152	155	160.6	158	159	162	167.2

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power
Amps = outdoor unit amps (comp.+fan)
Shaded area reflects ACCA (TVA) conditions.

GPHH32441

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5		-5
MBh	29.20	27.41	25.65	23.92	**22.80**	21.99	19.95	18.03	16.45	15.29	14.45	14.00	13.41	11.95	10.48	9.01	7.55
T/R	29.72	28.16	26.61	25.06	**24.13**	23.29	21.11	19.07	17.41	16.18	15.29	14.81	14.19	12.64	11.09	9.54	7.98
KW	1.95	1.93	1.90	1.88	**1.86**	1.85	1.83	1.80	1.78	1.75	1.72	1.71	1.70	1.67	1.65	1.62	1.60
AMPS	7.10	6.99	6.88	6.77	**6.70**	6.66	6.55	6.44	6.33	6.22	6.11	6.04	6.00	5.89	5.78	5.67	5.56
COP	4.38	4.17	3.95	3.74	**3.59**	3.48	3.20	2.93	2.72	2.56	2.46	2.40	2.31	2.09	1.86	1.63	1.38
Hi PR	388.26	375.63	363.01	350.38	**342.80**	337.75	325.12	312.49	299.86	287.23	274.60	267.03	261.98	249.35	236.72	224.09	211.46
LO PR	136.59	128.10	119.60	111.10	**106.00**	102.60	94.10	85.60	77.11	68.61	60.11	55.01	51.61	43.11	34.61	26.12	17.62

GPHH33041

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5		-5
MBh	36.32	33.87	31.47	29.11	**27.60**	26.46	23.59	20.97	18.83	17.24	16.04	15.40	14.59	12.55	10.52	8.49	6.45
T/R	30.80	29.00	27.21	25.42	**24.34**	23.33	20.80	18.49	16.61	15.20	14.15	13.58	12.86	11.07	9.28	7.48	5.69
KW	2.52	2.45	2.39	2.32	**2.29**	2.26	2.19	2.13	2.06	2.00	1.94	1.90	1.87	1.81	1.74	1.68	1.61
AMPS	9.28	9.00	8.72	8.44	**8.27**	8.16	7.87	7.59	7.31	7.03	6.75	6.58	6.47	6.18	5.90	5.62	5.34
COP	4.23	4.05	3.86	3.67	**3.54**	3.43	3.15	2.89	2.67	2.53	2.43	2.38	2.29	2.04	1.77	1.48	1.17
Hi PR	403.21	390.10	376.98	363.87	**356.00**	350.75	337.64	324.52	311.41	298.29	285.18	277.31	272.06	258.95	245.83	232.72	219.60
LO PR	128.86	120.84	112.83	104.81	**100.00**	96.79	88.78	80.76	72.74	64.72	56.71	51.90	48.69	40.67	32.66	24.64	16.62

GPHH33641

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5		-5
MBh	42.77	39.84	37.21	34.20	**32.20**	30.57	26.58	23.04	20.17	17.99	16.30	15.40	14.28	11.48	8.68	5.88	3.08
T/R	32.63	30.46	28.30	26.14	**24.85**	23.58	20.51	17.78	15.57	13.88	12.58	11.88	11.02	8.86	6.70	4.54	2.38
KW	2.92	2.82	2.72	2.61	**2.55**	2.51	2.41	2.30	2.20	2.09	1.99	1.93	1.89	1.78	1.68	1.58	1.47
AMPS	10.81	10.36	9.91	9.46	**9.19**	9.01	8.55	8.10	7.65	7.20	6.75	6.48	6.30	5.85	5.40	4.95	4.50
COP	4.29	4.14	4.01	3.84	**3.70**	3.57	3.24	2.93	2.69	2.52	2.40	2.34	2.22	1.89	1.51	1.09	0.61
Hi PR	352.81	341.34	329.86	318.39	**311.50**	306.91	295.43	283.96	272.48	261.01	249.53	242.65	238.06	226.58	215.10	203.63	192.15
LO PR	131.44	123.26	115.08	106.91	**102.00**	98.73	90.55	82.37	74.20	66.02	57.84	52.93	49.66	41.49	33.31	25.13	16.95

Calculations are based on nominal CFM and 70 °F indoor dry bulb.
Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)
kW = Total system power

GPHH34241

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5		-5
MBh	48.42	45.28	42.19	39.15	**37.20**	35.76	32.10	28.72	25.97	23.93	22.41	21.60	20.56	17.96	15.36	12.76	10.16
T/R	33.16	31.31	29.46	27.61	**26.50**	25.47	22.86	20.46	18.50	17.04	15.96	15.38	14.64	12.79	10.94	9.09	7.24
KW	3.17	3.11	3.06	3.00	**2.96**	2.94	2.88	2.82	2.77	2.71	2.65	2.62	2.59	2.54	2.48	2.42	2.36
AMPS	11.72	11.47	11.22	10.97	**10.82**	10.72	10.47	10.22	9.96	9.71	9.46	9.31	9.21	8.96	8.71	8.46	8.21
COP	4.48	4.26	4.05	3.83	**3.68**	3.57	3.26	2.98	2.75	2.59	2.48	2.42	2.32	2.08	1.82	1.55	1.26
Hi PR	364.70	352.84	340.98	329.12	**322.00**	317.26	305.39	293.53	281.67	269.81	257.94	250.83	246.08	234.22	222.36	210.49	198.63
LO PR	132.73	124.47	116.21	107.95	**103.00**	99.70	91.44	83.18	74.92	66.67	58.41	53.45	50.15	41.89	33.63	25.38	17.12

GPHH34841

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5		-5
MBh	56.91	53.15	49.46	45.82	**43.50**	41.76	37.37	33.34	30.05	27.60	25.78	24.80	23.55	20.44	17.32	14.20	11.09
T/R	31.67	29.87	28.06	26.26	**25.18**	24.17	21.62	19.29	17.39	15.97	14.92	14.35	13.63	11.83	10.02	8.22	6.41
KW	3.69	3.64	3.60	3.55	**3.52**	3.50	3.46	3.41	3.36	3.32	3.27	3.24	3.23	3.18	3.13	3.09	3.04
AMPS	13.50	13.30	13.09	12.89	**12.77**	12.69	12.49	12.29	12.09	11.89	11.69	11.57	11.49	11.29	11.09	10.89	10.69
COP	4.52	4.28	4.03	3.78	**3.62**	3.49	3.17	2.86	2.62	2.44	2.31	2.24	2.14	1.88	1.62	1.35	1.07
Hi PR	368.67	356.68	344.69	332.69	**325.50**	320.70	308.71	296.72	284.73	272.74	260.75	253.55	248.75	236.76	224.77	212.78	200.79
LO PR	133.63	125.32	117.00	108.69	**103.70**	100.37	92.06	83.75	75.43	67.12	58.81	53.82	50.49	42.18	33.86	25.55	17.24

GPHH36041

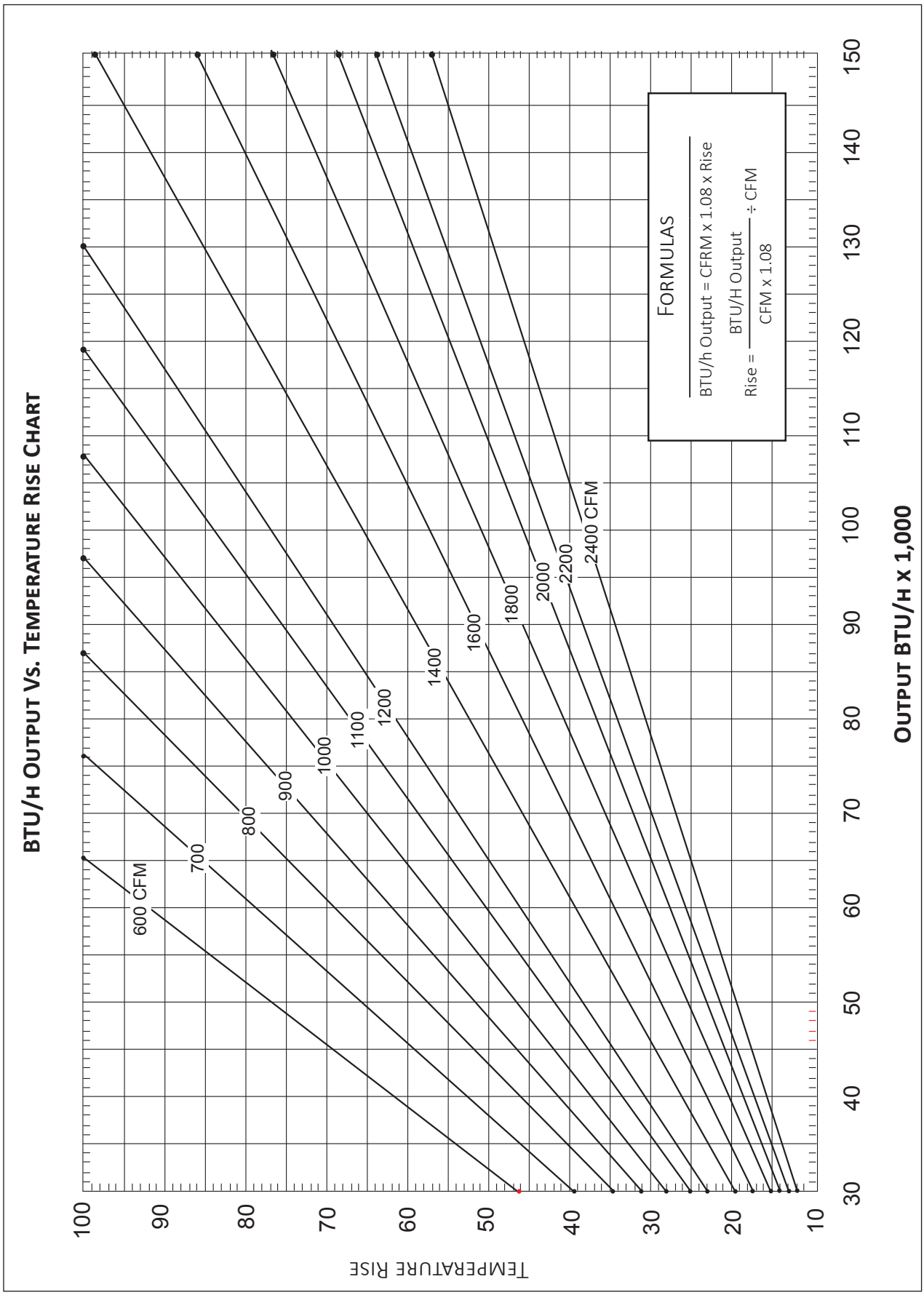
	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5		-5
MBh	70.60	66.09	61.66	57.30	**54.50**	52.45	47.23	42.39	38.44	35.51	33.36	32.20	30.71	27.00	23.28	19.56	15.85
T/R	36.97	34.95	32.93	30.90	**29.69**	28.57	25.72	23.09	20.94	19.34	18.17	17.54	16.73	14.70	12.68	10.65	8.63
KW	4.74	4.66	4.59	4.51	**4.46**	4.43	4.35	4.28	4.20	4.12	4.05	4.00	3.97	3.89	3.81	3.74	3.66
AMPS	17.91	17.57	17.24	16.90	**16.70**	16.57	16.23	15.90	15.56	15.23	14.89	14.69	14.55	14.22	13.88	13.55	13.21
COP	4.37	4.15	3.94	3.73	**3.58**	3.47	3.18	2.91	2.68	2.52	2.42	2.36	2.27	2.03	1.79	1.53	1.27
Hi PR	395.29	382.43	369.57	356.71	**349.00**	343.86	331.00	318.14	305.29	292.43	279.57	271.86	266.71	253.86	241.00	228.14	215.29
LO PR	127.57	119.64	111.70	103.76	**99.00**	95.83	87.89	79.95	72.01	64.08	56.14	51.38	48.20	40.27	32.33	24.39	16.45

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

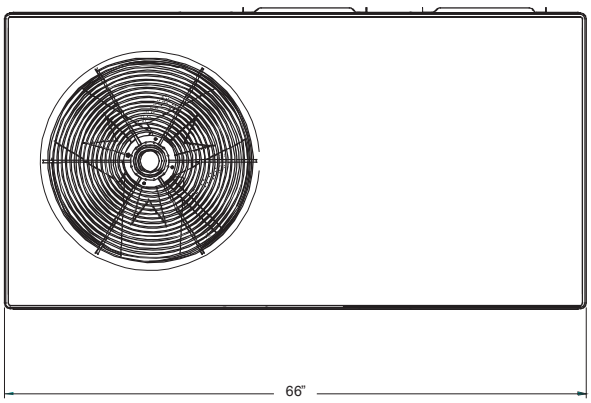

BTU/H Output Vs. Temperature Rise Chart
Temperature Rise
Output BTU/H x 1,000
600 CFM
700
800
900
1000
1100
1200
1400
1600
1800
2000
2200
2400 CFM
Formulas
BTU/h Output = CFRM x 1.08 x Rise
Rise = BTU/H Output / CFM x 1.08 ÷ CFM

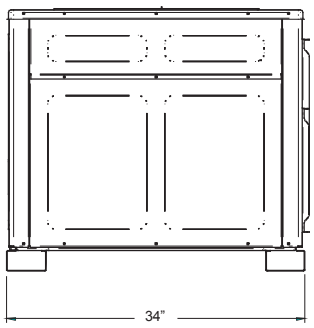
MODEL	SPEED*	VOLTS		E.S.P. (IN. OF H_2O)							
				0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
GPHH32441	T1	230	CFM	922	873	823	774	724	675	626	576
			Watts	74	85	96	107	118	129	140	151
	T2,T3	230	CFM	1,172	1,121	1,068	1,012	953	892	832	762
			Watts	135	145	155	164	175	186	184	203
	T4, T5	230	CFM	1,231	1,179	1,127	1,074	1,022	969	917	865
			Watts	168	180	193	205	218	230	243	255
GPHH33041	T1	230	CFM	864	808	757	695	636	567	494	437
			Watts	72	82	91	103	107	115	123	131
	T2,T3	230	CFM	1,323	1,270	1,220	1,171	1,119	1,060	997	945
			Watts	179	190	199	209	219	230	240	248
	T4, T5	230	CFM	1,404	1,362	1,321	1,271	1,238	1,191	1,150	1,105
			Watts	235	246	257	272	284	289	300	309
GPHH33641	T1	230	CFM	1,161	1,113	1,076	1,034	994	949	889	837
			Watts	139	150	163	172	184	194	207	218
	T2,T3	230	CFM	1,379	1,343	1,305	1,265	1,226	1,190	1,148	1,108
			Watts	216	229	241	254	264	276	285	296
	T4, T5	230	CFM	1,542	1,502	1,462	1,427	1,392	1,352	1,316	1,280
			Watts	291	301	314	327	339	349	359	371
GPHH34241	T1	230	CFM	1,271	1,214	1,167	1,127	1,095	1,052	1,013	971
			Watts	168	177	188	200	214	224	235	249
	T2,T3	230	CFM	1,491	1,451	1,406	1,369	1,335	1,295	1,262	1,226
			Watts	245	258	268	281	294	305	318	330
	T4, T5	230	CFM	1,736	1,679	1,638	1,598	1,558	1,520	1,484	1,441
			Watts	356	372	382	395	408	422	433	442
GPHH34841	T1	230	CFM	1,337	1,297	1,218	1,155	1,118	1,088	1,022	989
			Watts	179	190	203	210	225	243	249	268
	T2/T3	230	CFM	1,758	1,715	1,674	1,637	1,596	1,557	1,518	1,474
			Watts	394	406	418	430	443	455	466	474
	T4/T5	230	CFM	2,002	1,935	1,885	1,827	1,767	1,732	1,669	1,618
			Watts	498	521	516	534	551	567	571	574
GPHH36041	T1	230	CFM	1,418	1,357	1,315	1,274	1,239	1,193	1,148	1,102
			Watts	212	219	227	236	243	252	266	275
	T2,T3	230	CFM	1,862	1,812	1,763	1,719	1,685	1,649	1,615	1,583
			Watts	437	447	454	461	473	480	483	493
	T4, T5	230	CFM	1,933	1,886	1,838	1,796	1,759	1,723	1,693	1,669
			Watts	491	499	506	519	527	534	539	550

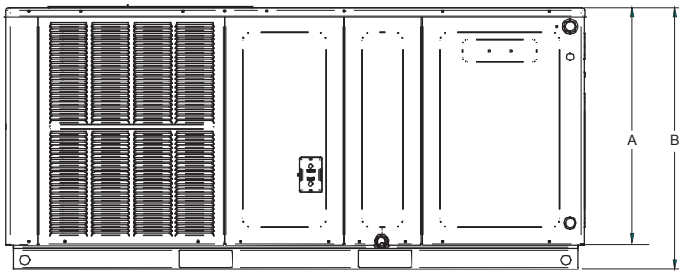
* Speed set at T2 at factory.

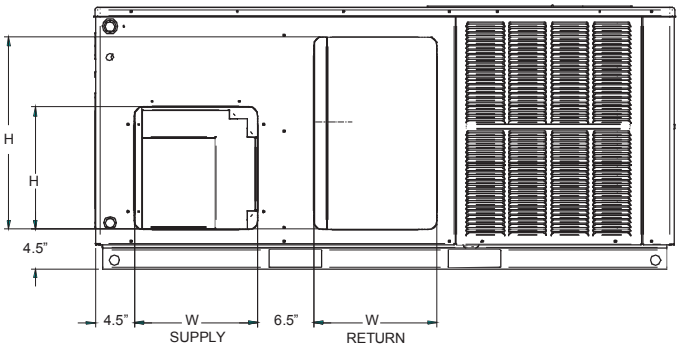
Model and Heat Kit Usage	Circuit #1		Circuit #2		Single-Point Kit		Actual kW / BTU@ 240V
	MCA[1]	MOD[2]	MCA[1]	MOD[2]	MCA[1]	MOP[2]	
GPHH32441**	1.9	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	46	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	57	60	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	70	80	9.5 / 32,400
GPHH33041**	2.3	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	47	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	59	60	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	72	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	97	100	14.25 / 48,600
GPHH33641**	2.3	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	50.7	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	62.4	70	7 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	75.5	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	100.2	110	14.25 / 48,600
GPHH34241**	3.6	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	52	60	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	64	70	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	77	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	102	110	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	127	150	19.0 / 64,800
GPHH34841**	3.6	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	56	70	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	68	80	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	81	90	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	106	110	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	131	150	19.0 / 64,800
GPHH36041**	7.5	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	65	80	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	76	90	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	89	100	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	114	125	14.25 / 48,600

HKP-20C



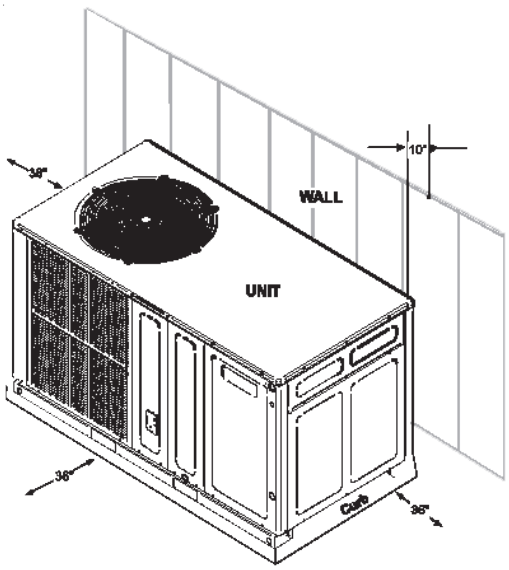






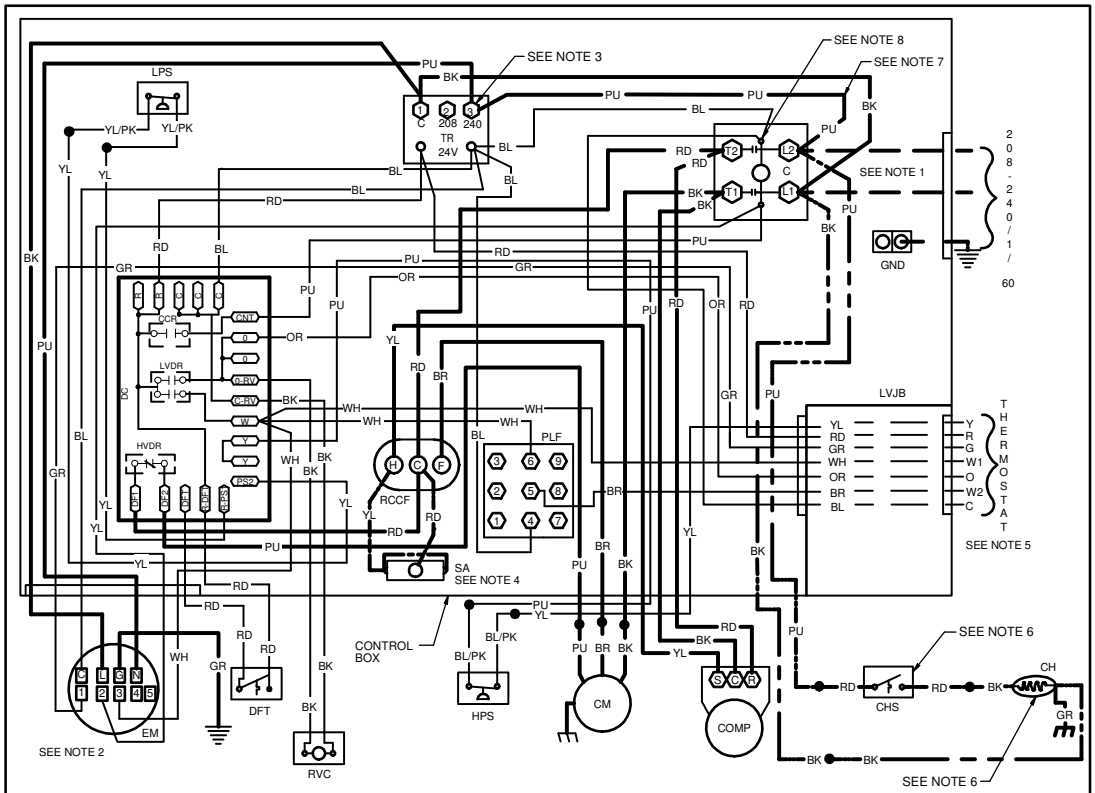
BACK VIEW
(DUCT OPENINGS)

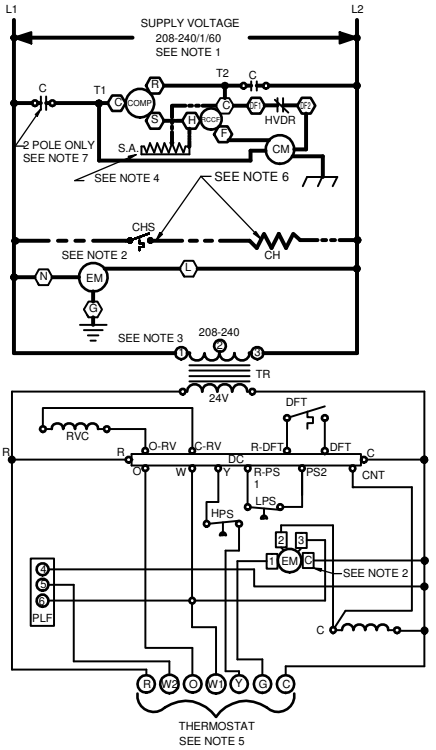
MINIMAL CLEARANCES



MODEL	UNIT DIMENSIONS				CHASSIS SIZE
			HEIGHT		
	W	D	A	B	
GPHH32441**	66	34	27½	30	Small
GPHH33041**	66	34	27½	30	Small
GPHH33641**	66	34	32½	35	Medium
GPHH34241**	66	34	32½	35	Medium
GPHH34841**	66	34	32½	35	Medium
GPHH36041**	66	34	36	38½	Large

MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPHH32441**	14	14	14	22
GPHH33041**	14	14	14	22
GPHH33641**	14	14	14	24
GPHH34241**	14	14	14	24
GPHH34841**	14	14	14	24
GPHH36041**	14	14	14	24





COMPONENT LEGEND

C	CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRACKCASE HEATER
CHS	CRACKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR
DC	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
EM	EVAPORATOR MOTOR
GND	EQUIPMENT GROUND
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SA	START ASSIST
TR	TRANSFORMER
HPS	HIGH PRESSURE SWITCH

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

- JUNCTION
- TERMINAL
- INTERNAL TO INTEGRATED CONTROL
- PLUG CONNECTION
- IGNITER
- SWITCH (PRESS.)
- OVERCURRENT PROT. DEVICE
- EQUIPMENT GROUND
- FIELD GROUND
- FIELD SPLICE
- SWITCH (TEMP)

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE AND YELLOW LEADS FROM EM"2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTORY EQUIPPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY USE N.E.C. CLASS 2 WIRE
6. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
8. COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

0140G01640-E

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

ACCESSORY DESCRIPTION	ITEM NUMBER	
	SMALL CHASSIS	MEDIUM/LARGE CHASSIS
Downflow Economizer (use w/PCCP roof curb)	DDNECNJPCHHA	DDNECNJPCHHA
Downflow Plenum Kit (use w/PCCP roof curb)	PCP101-103	PCP101-103
Downflow Plenum Kit (R-8) (use w/PCCP roof curb)	PCP101-103 R8	PCP101-103 R8
Elbow Flashing w/R-8 Liner	PCEF101-103	PCEF101-103
Economizer Wiring Harness	0259G00215	0259G00215
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHM
Inline Fuse Kit	INFKPKG01	INFKPKG01
Isolation Relay Kit (req'd with Economizer)	IRKT-01	IRKT-01
Manual Damper	PCMD101-103	PCMD101-103
Manual Damper - Horizontal	GPHMD101-103	GPHMD101-103
Motorized Damper	PCMDM101-103	PCMDM101-103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101-103	PCCP101-103
Square to Round Downflow (use w/PCCP roof curb)	SQRPC101	SQRPC102-103
Square to Round Horizontal	SQRPCH101	SQRPCH102-103

Single-Point Kit Accessory Kits

Select the single-point kit accessory based on the unit model.

Model	Single-Point Kit
GPHH32441**	SPK-30
GPHH33041**	SPK-35
GPHH33641**	SPK-40
GPHH34241**	SPK-45
GPHH34841**	SPK-50
GPHH36041**	SPK-60