Copeland®
brand products

CONDENSING UNIT CATALOG

EMERSON™
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COPELAND® BRAND CONDENSING UNIT CATALOG

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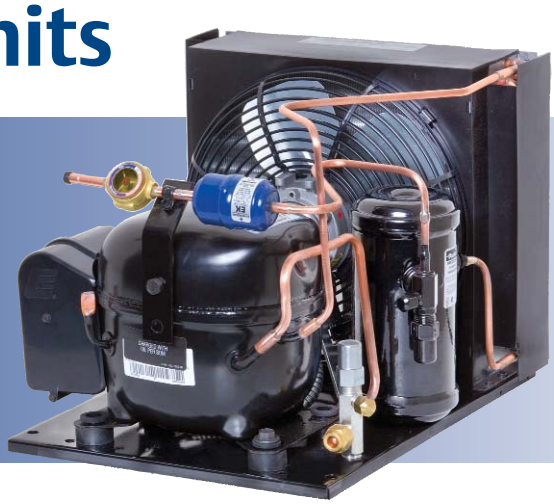
Value-Add SystemPro™ Condensing Units

Install confidence. It's your reputation.



Value-Add SystemPro™ condensing units

In the fast paced world of retail establishments, servicing refrigeration equipment can be challenging. Customers are demanding, the work environment is less than optimal, and time is at a premium. Emerson Climate Technologies can help with the new Value-Add line of SystemPro™ condensing units.

Keep your customers happy

There are numerous refrigeration applications that utilize fractional horsepower sized condensing units. Reach-in cases, food prep tables, and under-counters are just a few examples. Servicing this equipment can be difficult due to limited space. Using a Value-Add condensing unit with factory installed system protection devices saves on installation time and reduces disruptions to foodservice operations. You win and your customer wins.

Make your business more productive

A labor cost savings solution...a Value-Add condensing unit with factory installed components significantly reduces on-site tube prepping, brazing, supplies and materials. In addition, it diminishes the need for frequent leak inspections since all filter drier and moisture indicator braze joints have been factory tested. Fewer job site problems and fewer call backs.

Make your business more profitable

Value-Add condensing units reduce installation costs, reduce call backs and cut warranty expense. This translates into increased billing efficiency and a better bottom line. So the next time you replace a fractional horsepower condensing unit ask for the Value-Add SystemPro™ unit from Emerson Climate Technologies.

Benefits for the foodservice operator

- Less disruption to their business
- Less equipment downtime
- Increased equipment reliability
- No additional cost

Benefits for the contractor

- Lower installation costs
- Fewer job site problems
- Lower warranty expense
- Reduced call backs
- Greater billing efficiency

Factory installed system protection

- Provides higher system reliability
- Provides a solution to working in restricted spaces

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How to use the selection guide

Use the selection guide to cross reference fighter and feature models to the Value-Add models. These NEW Value-Add models offer factory installed filter driers and moisture indicators so there is no need to purchase these components separately. To avoid installation issues be sure to select the appropriate condensing unit based on your application requirements and replacement needs.

HIGH and MEDIUM TEMPERATURE (BTUH @ 90°F Ambient / +25°F Evap)

Refrig	Oil Type	H.P.	Compressor	Air-Cooled Unit Model	Electrical	BOM			BTU/H	Overall Dimensions (in.)			Connecting Lines	
						Fighter	Featured	Value Add		L	W	H	Suction	Liquid
R-134a	POE	1/4	ARE27C3E	M2FH-0026	IAA	109	001	072	2080	14.2	12.3	11.8	3/8 S	1/4 S
	POE	1/3	ARE37C3E	M2FH-A033	IAA	109	201	272	2620	14.2	12.3	11.8	3/8 S	1/4 S
	POE	1/2	ART51C1E	M2FH-0049	IAA	109	201	272	3600	16.3	13.1	11.8	3/8 S	1/4 S
	POE	1/2	ART62C1E	M2FH-0050	IAA	109	201	272	4230	16.3	13.1	11.8	3/8 S	1/4 S
	POE	1/2	ART64C1E	M2FH-0056	IAA, IAV	109	201	272	4630	17.9	14.4	11.8	3/8 S	1/4 S
R-404A	POE	1/4	ASE19C3E	M4FH-0025	IAA	109	201	272	2430	14.2	12.3	11.8	3/8 S	1/4 S
	POE	1/3	ASE24C3E	M4FH-A036	IAA	109	201	272	3370	16.3	13.1	11.8	3/8 S	1/4 S
	POE	1/2	ASE32C3E	M4FH-0050	CAA, CAV	109	201	272	4380	16.3	13.1	11.8	3/8 S	1/4 S
R-22	AB	1/4	ARE36C3	MCFH-0027	IAA	109	201	272	2600	14.2	12.3	11.8	3/8 S	1/4 S
	AB	1/3	ARE43C3	MCFH-0036	IAA	109	201	272	3140	16.3	13.1	11.8	3/8 S	1/4 S
	AB	1/2	ARE59C3	MCFH-0049	CAA, CAV	109	201	272	4250	16.3	13.1	11.8	3/8 S	1/4 S
	AB	1/2	ART69C1	MCFH-0056	IAA, IAV	109	201	272	4950	17.7	14.4	11.8	3/8 S	1/4 S
R-12	AB	1/4	ARE27C3	MBFH-A026	IAA	109	001	072	1980	14.2	12.3	11.8	3/8 S	1/4 S
	AB	1/3	ARE37C3	MBFS-0033	IAA	109	201	272	2510	14.2	12.3	11.8	3/8 S	1/4 S
	AB	1/2	ART62C1	MBFH-0050	IAA	109	201	272	4030	16.3	13.1	11.8	3/8 S	1/4 S

LOW TEMPERATURE (BTUH @ 90°F Ambient / -10°F Evap)

Refrig	Oil Type	H.P.	Compressor	Air-Cooled Unit Model	Electrical	BOM			BTU/H	Overall Dimensions (in.)			Connecting Lines	
						Fighter	Featured	Value Add		L	W	H	Suction	Liquid
R-404A	POE	1/4	AFB09C3E	M4FL-0025	IAA		001	072	920	14.2	12.3	11.8	3/8 S	1/4 S
	POE	1/3	AFE11C3E	M4FL-0033	IAA	109	001	072	1390	14.2	12.3	11.8	3/8 S	1/4 S
	POE	1/2	AFE13C3E	M4FL-0040	IAA, IAV	109	201	272	2040	16.3	13.1	11.8	3/8 S	1/4 S
	POE	1/2	AFT18C1E	M4FL-0051	IAA	109	201	272	2430	17.4	13.1	11.8	1/2 S	1/4 S
	POE	1/2	AFT26C1E	M4FL-0067	CFA, CFV	109	201	272	3290	18.1	14.4	11.8	1/2 S	1/4 S

Unit Features

BOM	Suction Valve	Receiver w/Valve	Fan Guard	Filter Drier	Sight Glass	B/X Conduit	UL/UR
072	●	●	●	●	●	●	UL
272	●	●	●	●	●	●	UR

Electric Nomenclature

voltage-phase-hertz

115-1-60	208/230-1-60
CAA/CFA	CAV/CFV
IAA	IAV

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SystemPro™ Air-Cooled Condensing Units

Capacity Data

HIGH/MED TEMP Model	Bill of Materiall	Ref.	H.P.	Capacity (BTU/Hr) at 90°F Ambient Evaporator Temp (°F)								
				0	+10	+15	+20	+25	+30	+35	+40	+45
MBFS-0017-SAA	**106**	12	1/6		770	870	980	1090	1200	1320	1450	1580
M2FH-0017-SAA	**106**	134a			800	910	1030	1150	1280	1410	1560	1710
MBFS-0020-SAA	**106**	12	1/5		930	1030	1140	1260	1390	1520	1650	1800
M2FH-0020-IAA	**106**	134a			950	1070	1200	1330	1470	1620	1770	1930
MMFH-0022-IAA	**106**	22			1250	1380	1530	1680	1840	2010	2180	2360
M4FH-0022-IAA	**106**	404A			1340	1460	1590	1720	1860	2010	2160	2310
MBFS-0024-SAA	**106**	12	1/4		1270	1420	1570	1730	1890	2070	2250	2440
M2FH-0024-SAA	**106**	134a			1310	1470	1640	1810	2000	2190	2390	2600
MBFH-A026-IAA	**072, 105, 109, 001**	12			1480	1640	1810	1980	2160	2350	2550	2860
M2FH-0026-IAA	**072, 105, 109, 001**	134a			1530	1700	1890	2080	2280	2490	2710	2940
MCFH-0027-IAA	**105, 109, 001, 272**	22			1910	2130	2360	2600	2850	3110	3380	3660
M4FH-0025-IAA	**109, 201, 272**	404A			1890	2060	2240	2430	2620	2820	3030	3240
MBFS-0033-IAA	**105, 109, 201, 272**	12	1/3		1820	2040	2270	2510	2770	3030	3310	3600
M2FH-A033-IAA, IAV	**105, 109, 201, 272**	134a			1870	2110	2360	2620	2900	3190	3500	3820
MCFH-0036-IAA	**105, 109, 201, 272**	22			2270	2550	2830	3140	3460	3790	4140	4500
M4FH-A036-IAA, IAV	**105, 109, 201, 272**	404A			2550	2810	3090	3370	3670	3990	4310	4650
MBFH-0049-IAA	**201**	12	1/2		2560	2850	3150	3460	3790	4140	4500	4870
M2FH-0049-IAA, IAV	**105, 109, 201, 272**	134a			2610	2920	3250	3600	3960	4340	4740	5150
MCFH-0049-CAA, CAV	**105, 109, 201, 272**	22			3090	3460	3840	4250	4680	5130	5600	6090
MBFH-0050-IAA	**109, 201, 272**	12			2860	3230	3620	4030	4470	14920	5410	5910
M2FH-0050-IAA-IAV	105, 109, **201, 272**	134a			2950	3350	3780	4230	4710	5210	5740	6290
FJAF-A050-IAA, IAV	**109, 201**	404A		2700	3380	3700	4030	4340				
FBAM-B050-IAA, IAV	**201**	12			3660	4030	4420	4840				
FJAF-A056-IAA, IAV	**109, 201**	404A		3030	3940	4450	5010	5630				
M2FH-0056-IAA, IAV	105, 109, **201, 272**	134a			3240	3680	4140	4630	5150	5690	6270	6870
MCFH-0056-IAA, IAV	**105, 109, 201, 272**	22			3610	4020	4470	4950	5480	6070	6720	7440
M4FH-0050-CAA, CAV	105, 109, **201, 272**	404A			3320	3660	4010	4380	4770	5180	5600	6040
FBAH-B075-IAA, IAV	**001**	12	3/4		4470	4950	5480	6030	6570	7330	8190	9070
FTAH-B074-IAA, IAV	**201**	134a			3890	4380	4900	5450	6050	6710	7430	8220
FBAM-A075-IAA, IAV	**001**	12			4580	5040	5570	6160				
FTAM-A075-IAA, IAV	**001**	134a			4260	4920	5650	6450				
F3AH-A078-IAA, IAV	**001**	22			4480	5120	5760	6450	7130	7870	8660	9440
FJAF-B078-CAA, CAV	**001**	404A		3900	4970	5540	6130	6740				
FBAH-B100-CAV	**001**	12	1		5200	5800	6490	7200	8120	9040	9940	11150
FTAH-A101-CFV, TFC, TFD	**001**	134a			4990	5860	6820	7770	8780	9790	10800	11800
F3AH-A100-CAV	**001**	22			5260	5960	6700	7480	8320	9220	10200	11200
FJAM-A106-CAV	**001**	404A		5080	6380	7070	7780	8530				
F3AM-A105-CFV, TFC	**001**	22			6530	7530	8530	9590				
FTAH-A125-CFV, TFC, TFD	**001**	134a	1 1/4		7170	8420	9770	11200	12800	14400	16200	18000
FJAM-A125-CFV, TFC	**001**	404A		5390	6840	7620	8450	9340				
FJAM-A126-CAV, TFC	**001**	404A		6350	7940	8770	9640	10500				
FTAH-A150-CFV, TFC, TFD	**001**	134a	1 1/2			10000	11600	13300	15100	17000	19000	21100
F3AD-B151-CFV, TFC, TFD	**020**	22			7590	8800	10100	11500	13000	14500	16100	17700
FJAM-A150-CFV, TFC, TFD	**001**	404A		6860	9100	10200	11400	12500				
FTAH-A201-CFV, TFC, TFD	**001**	134a	2		10300	12200	14200	16400	18800	21300	24000	26900
F3AD-B201-CFV, TFC, TFD	**015, 020**	22			10100	11800	13500	15400	17300	19400	21600	23900
FJAM-A200-CFV, TFC	**001**	404A		8770	11600	13000	14500	16100				
FJAM-A225-CFV, TFC, TFD	**001**	404A	2 1/4	10400	13400	14900	16400	17900				
F3AD-B225-CFV, TFC, TFD	**015, 020**	22			11400	13100	15100	17100	19300	21500	23900	26400
F3AD-B301-CFV, TFC, TFD	**015, 020**	22	3		17000	19500	22000	24600	27400	30300	33300	36500
FJAM-A300-CFV, TFC, TFD	**001**	404A		13100	17300	19500	21600	23800				
FTAH-A35Z-CFV-TFC-TFD	**015**	134a			19500	21800	24400	27000	29800	32700	35800	39000
F3AD-B325-CFV, TFC, TFD	**015, 020**	22	3 1/4		18300	20900	23600	26500	29400	32500	35900	39400
FJAM-A325-CFV, TFC, TFD	**001**	404A		14300	18500	20800	23300	26100				
F3AD-B401-CFV, TFC, TFD	**015, 020**	22	4		25900	29500	33400	37600	41900	46500	51200	56200
FJAM-B400-CFV, TFC, TFD	**001**	404A		20700	26900	30300	33900	37800				
F3AD-A501-CFV, TFC, TFD	**010**	22	5		29800	34000	38200	42700	47400	52400	57500	63000
FJAM-B500-CFV, TFC	**020**	404A		23200	30400	34100	37700	41200				

Bolded BOM = In Stock

Capacities are at 60 Hertz with 5°F subcooling.
HT models are rated at 65° F return gas temperature
MT models are rated at 40° F return gas temperature

SystemPro™ Air-Cooled Condensing Units

Capacity Data

Model	Capacity (BTU/Hr) at 100°F Ambient Evaporator Temp (°F)									Capacity (BTU/Hr) at 110°F Ambient Evaporator Temp (°F)								
	0	+10	+15	+20	+25	+30	+35	+40	+45	0	+10	+15	+20	+25	+30	+35	+40	+45
MBFS		720	810	900	1010	1120	1240	1360	1490		660	740	810	910	1020	1130	1250	1380
M2FH		730	830	930	1050	1170	1300	1440	1580		660	760	840	950	1070	1190	1320	1460
MBFS		880	990	1090	1210	1320	1450	1580	1700		810	910	1010	1130	1240	1360	1480	1590
M2FH		890	1010	1120	1250	1380	1520	1670	1810		820	930	1040	1170	1290	1430	1560	1690
MMFH		1140	1270	1400	1550	1700	1870	2030	2190		1050	1170	1300	1440	1590	1740	1890	
M4FH		1230	1340	1460	1590	1720	1870	2010	2150		1130	1230	1350	1480	1610	1740		
MBFS		1210	1360	1480	1640	1790	1950	2120	2280		1120	1260	1380	1530	1670	1820		
M2FH		1230	1390	1530	1710	1870	2050	2230	2420		1140	1290	1420	1590	1740	1920		
MBFH		1390	1540	1660	1820	1990	2190	2390	2560		1310	1430	1530	1670	1820	2000		
M2FH		1400	1570	1710	1890	2080	2300	2520	2710		1330	1470	1570	1740	1910	2100		
MCFH		1710	1930	2150	2380	2610	2860	3130	3400		1540	1750	1970	2180	2410			
M4FH		1700	1870	2030	2220	2400	2620	2840	3030		1530	1690	1840	2020	2190			
MBFS		1670	1880	2090	2330	2550	2820	3060	3290		1500	1700	1910	2130	2340	2590		
M2FH		1690	1920	2150	2420	2670	2970	3230	3490		1520	1740	1970	2220	2440	2720		
MCFH		2080	2330	2600	2890	3180	3500	3830	4170		1880	2120	2370	2640	2930	3230	3550	
M4FH		2330	2580	2840	3100	3370	3660	3960	4290		2110	2340	2590	2840	3100	3390		
MBFH		2370	2640	2930	3240	3540	3830	4200	4560		2160	2430	2700	3000	3290	3560		
M2FH		2410	2710	3020	3350	3690	4050	4430	4800		2210	2490	2790	3100	3430			
MCFH		2910	3260	3630	4010	4400	4810	5250	5720		2690	3020	3370	3750	4150	4550		
MBFH		2690	3100	3400	3710	4180	4590	5050	5600		2440	2830	3120	3430	3880	4270		
M2FH		2730	3170	3500	3860	4360	4820	5340	5940		2470	2890	3210	3560	4060			
FJAF	2330	2950	3240	3530	3810					1950	2520	2790	3050					
FBAM	2920	3610	3990	4410	4860					2680	3330	3700	4090					
FJAF	2570	3340	3790	4920	4840					2190	2790	3160	3580	4070				
M2FH		3010	3430	3880	4220	4830	5280	5820	6480		2750	3120	3520	3870	4450	4920		
MCFH		3270	3660	4070	4520	5020	5580	6200	6880		2960	3320	3710	4130	4610	5140	5730	
M4FH		2900	3220	3560	3910	4280	4680	5080	5520		2660	2940	3240	3530	3850	4190		
FBAH		3800	4240	4680	5250	5820	6460	7100	7880				4170	4710	5240	5830		
FTAH		3420	3870	4350	4860	5420	6030	6700	7440		3030	3450	3880	4350	4850	5420		
FBAM		4140	4570	5050	5600						3870	4260	4700	5210				
FTAM		3870	4430	5070	5780						3520	3940	4460	5070				
F3AH		4020	4620	5220	5860	6510	7190	7930	8670		3540	4100	4660	5270	5870	6520	7200	7890
FJAF	3380	4360	4870	5400	5950					2880	3760	4220	4690	5180				
FBAH	4110	4700	5230	5760	6520	7270	8150	9020		3780	4300	4790	5280	5980	6670			
FTAH		4330	5160	6060	6970	7930	8900	9850	10800		3680	4450	5310	6160	7080	8000		
F3AH		4740	5440	6140	6910	7670	8490	9360	10200		4230	4870	5520	6210	6900	7650		
FJAM	4490	5680	6300	6940	7610					3900	4950	5500	6070	6660				
F3AM		5750	6700	7640	8650					3050	4940	5830	6720	7670				
FTAH		6190	7360	8620	9970	11400	12900	14600	16300		5230	6330	7500	8750	10100	11500	13000	14500
FJAM	4770	6070	6750	7470	8250					4070	5230	5820	6440	7100				
FJAM	5610	7060	7810	8600	9420					4850	6150	6820	7530	8260				
FTAH		7370	8760	10200	11800	13500	15200	17100	19000		6220	7520	8900	10400	11900	13500		
F3AD		6490	7630	8850	10200	11500	13000	14500	16100		5400	6470	7620	8850	10200	11500		
FJAM	5780	7820	8850	9890	10900					4680	6520	7450	8380	9310				
FTAH		8880	10700	12600	14600	16800	19200	21700	24300		7480	9150	10900	12800	14900	17100	19400	21800
F3AD		8930	10500	12200	13900	15800	17800	19900	22000		7780	9270	10800	12500	14300	16100	18100	
FJAM	7500	10100	11400	12800	14200					6230	8530	9740	11000	12300				
FJAM	9060	11700	13100	14500	15800					7730	10100	11300	12500	13700				
F3AD		10100	11800	13600	15500	17600	19700	22000	24300		8970	10500	12200	14000	15900	17900		
F3AD	15100	17400	19900	22400	25000	27700	30600	33600			13100	15400	17800	20200	22700	25300	28000	
FJAM	11200	15000	17000	18900	20900					9410	12800	14500	16300	18000				
FTAH		18200	20400	22700	25200	27800	30500	33400	36500			19000	21100	23300	25700	28300	31000	
F3AD		16500	19000	21600	24200	27000	29900	32900	36200		14800	17200	19600	22000	24600	27200		
FJAM	12200	16000	18100	20400	22900					10100	13500	15400	17500	19800				
F3AD		23500	27000	30600	34500	38600	42800	47300	51800		21100	24400	27800	31400	35200	39200	43300	47500
FJAM	18100	23700	26800	30000	33500					15600	20500	23200	26100	29300				
F3AD		28000	32100	36300	40600	45100	49700	54700	59600		24900	28900	33000	37100	41400	45800	50500	55200
FJAM	20400	27000	30300	33600	36700					17700	23600	26600	29500	32300				

Capacities are at 60 Hertz with 5°F subcooling.
HT models are rated at 65° F return gas temperature
MT models are rated at 40° F return gas temperature

SystemPro™ Air-Cooled Condensing Units

Physical/Electrical Data

HIGH/MED TEMP Model	Comp Model	Oil Type	Overall Dimensions (in.)			Connecting Lilnes		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Cap. (lbs.)	Ship Wt. (lbs.)
			L	W	H	Suction	Liquid	115-1-60	230-1-60	230-3-60	460-3-60		
MBFS-0017-SAA	ARB13C3	AB	13.8	11.1	9.7	3/8 F	1/4 F	4.2 - 15					33
M2FH-0017-SAA	ARB13C3E	POE	13.8	11.8	9.7	3/8 F	1/4 F	4.3 - 15					33
MBFS-0020-SAA	ARB17C3	AB	13.8	11.1	9.7	3/8 F	1/4 F	5.5 - 15					35
M2FH-0020-IAA	ARB17C3E	POE	13.8	11.3	9.7	3/8 F	1/4 F	5.2 - 15					41
MMFH-0022-IAA	ARB21C3	AB	13.8	11.4	9.7	3/8 F	1/4 F	6.5 - 15					37
M4FH-0022-IAA	ASB12C3E	POE	13.8	11.4	9.7	3/8 F	1/4 F	7.3 - 15					37
MBFS-0024-SAA	ARE25C3	AB	13.8	11.8	9.7	3/8 F	1/4 F	6.3 - 15					36
M2FH-0024-SAA	ARE25C3E	POE	13.8	11.8	9.7	3/8 F	1/4 F	6.9 - 15					36
MBFH-A026-IAA	ARE27C3	AB	13.8	11.8	9.7	3/8 F	1/4 F	6.9 - 15				2.5	42
M2FH-0026-IAA	ARE27C3E	POE	13.8	11.8	9.7	3/8 F	1/4 F	6.8 - 15				2.5	41
MCFH-0027-IAA	ARE36C3	AB	13.8	11.3	9.7	3/8 F	1/4 F	9.1 - 15				2.5	38
M4FH-0025-IAA	ASE19C3E	POE	13.8	11.8	9.7	3/8 F	1/4 F	10.7 - 15				2.2	43
MBFS-0033-IAA	ARE37C3	AB	13.8	11.8	9.7	3/8 F	1/4 F	9.7 - 15				2.9	36
M2FH-A033-IAA, IAV	ARE37C3E	POE	13.8	11.3	9.7	3/8 F	1/4 F	9.9 - 15	4.9 - 15			2.5	43
MCFH-0036-IAA	ARE43C3	AB	16.2	13.1	11.8	3/8 F	1/4 F	9.7 - 15				3.6	49
M4FH-A036-IAA, IAV	ASE24C3E	POE	16.1	12.7	11.8	3/8 F	1/4 F	8.4 - 15	5.9 - 15			3.3	44
MBFH-0049-IAA	ART51C1	AB	16.2	13.1	11.8	3/8 F	1/4 F	12.5 - 20				3.9	56
M2FH-0049-IAA, IAV	ART51C1E	POE	16.2	12.7	11.8	3/8 F	1/4 F	12.5 - 20	6.85 - 15			3.7	56
MCFH-0049-CAA, CAV	ARE59C3A	AB	16.1	13.1	11.8	3/8 F	1/4 F	10.9 - 15	5.6 - 15			4.0	51
MBFH-0050-IAA	ART62C1	AB	17.9	13.1	11.8	3/8 F	1/4 F	13.8 - 10				4.6	51
M2FH-0050-IAA-IAV	ART62C1E	POE	16.2	12.7	11.8	3/8 F	1/4 F	13.6 - 20	7.3 - 15			4.1	58
FJAF-A050-IAA, IAV	RS43C1E	POE	16.2	13.2	11.9	1/2 F	1/4 F	13.7 - 20	7.8 - 15			2.2	64
FBAM-B050-IAA, IAV	RS40C2	AB	24.0	16.9	12.9	5/8 F	3/8 F	13.5 - 20	7.6 - 15			4.1	67
FJAF-A056-IAA, IAV	RS43C2E	POE	17.5	14.3	12.1	5/8 F	1/4 F	14.3 - 20	8.1 - 15			4.3	78
M2FH-0056-IAA, IAV	ART64C1E	POE	17.9	14.4	11.8	1/2 F	1/4 F	15.5 - 20	8.8 - 15			4.3	66
MCFH-0056-IAA, IAV	ART69C1	AB	17.4	14.4	11.8	3/8 F	1/4 F	18.0 - 25	9.6 - 15			4.1	69
M4FH-0050-CAA, CAV	ASE32C3E	POE	16.1	12.7	11.8	3/8 F	1/4 F	12.3 - 20	6.7 - 15			3.7	50
FBAH-B075-IAA, IAV	RR81C2	AB	24.0	16.9	12.9	5/8 F	3/8 F	21.0 - 30	12.4 - 20			8.7	106
FTAH-B074-IAA, IAV	RR81C2E	POE	17.4	14.4	11.8	5/8 F	3/8 F	20.7 - 30	12.3 - 20			5.1	79
FBAM-A075-IAA, IAV	RS54C2	AB	24.0	16.9	13.1	5/8 F	3/8 F	16.8 - 25	9.7 - 15			8.7	106
FTAM-A075-IAA, IAV	RS54C2E	POE	24.0	16.9	13.1	5/8 F	3/8 F	16.8 - 25	9.7 - 15			7.9	95
F3AH-A078-IAA, IAV	RS47C2	MIN	24.0	16.9	13.1	5/8 F	3/8 F	19.9 - 30	10.1 - 15			6.1	101
FJAF-B078-CAA, CAV	RS55C2E	POE	24.0	16.9	13.1	5/8 F	3/8 F	18.5 - 25	8.8 - 15			7.2	105
FBAH-B100-CAV	RR10K2	AB	24.0	16.9	12.9	5/8 F	3/8 F	11.5 - 15				9.2	112
FTAH-A101-CFV, TFC, TFD	CS10K6E	POE	24.0	16.8	15.9	5/8 F	3/8 F		14.8 - 20	10-5 - 15	5.2 - 15	8.4	130
F3AH-A100-CAV	RRG4-0100	MIN	24.0	16.9	13.1	5/8 F	3/8 F		9.5 - 15			8.3	107
FJAM-A106-CAV	RS64C2E	POE	24.0	18.3	16.2	7/8 S	3/8 F		12.5 - 15			7.9	135
F3AM-A105-CFV, TFC	RS70C1	MIN	24.0	18.4	16.2	7/8 S	3/8 F		11.7 - 15			14.7	98
FTAH-A125-CFV, TFC, TFD	CS14K6E	POE	24.0	18.4	16.3	7/8 S	3/8 F		18.4 - 25	14.3 - 20	7.5 - 15	9.2	140
FJAM-A125-CFV, TFC	RS70C1E	POE	24.0	18.3	16.2	7/8 S	3/8 F		11.7 - 15	8.8 - 15		12.8	124
FJAM-A126-CAV, TFC	RS80C2E	POE	24.0	18.3	16.2	7/8 S	3/8 F		14.9 - 20	10.9 - 15		12.8	133
FTAH-A150-CFV, TFC, TFD	CS18K6E	POE	24.0	18.4	16.3	7/8 S	3/8 F		21.4 - 35	15.9 - 20	7.5 - 15	9.2	153
F3AD-B151-CFV, TFC, TFD	CR18KQ	MIN	24.0	18.3	16.9	7/8 S	3/8 S		14.2 - 20	10.4 - 15	5.4 - 15	9.1	132
FJAM-A150-CFV, TFC, TFD	CS10K6E	POE	24.0	18.3	16.2	7/8 S	3/8 F		16.5 - 20	12.2 - 15	6.1 - 15	12.8	144
FTAH-A201-CFV, TFC, TFD	CS20K6E	POE	25.2	34.0	18.9	7/8 S	3/8 F		29.1 - 40	20.0 - 25	9.6 - 15	16.7	140
F3AD-B201-CFV, TFC, TFD	CR24KQ	MIN	25.0	34.0	19.0	7/8 S	3/8 S		19.2 - 30	11.7 - 15	6.1 - 15	17.8	180
FJAM-A200-CFV, TFC	CS12K6E	POE	25.2	34.1	18.9	7/8 S	3/8 F		15.9 - 20	11.7 - 15		14.3	170
FJAM-A225-CFV, TFC, TFD	CS14K6E	POE	25.1	34.1	18.9	7/8 S	3/8 F		17.8 - 25	13.7 - 20	7.4 - 15	14.3	202
F3AD-B225-CFV, TFC, TFD	CR28KQ	MIN	25.1	34.1	19.0	7/8 S	3/8 S		21.1 - 30	13.3 - 15	7.0 - 15	17.8	210
F3AD-B301-CFV, TFC, TFD	CR37KQ	MIN	25.2	34.1	19.1	1-1/8 S	3/8 S		28.9 - 40	19.7 - 20	10.2 - 15	20.0	239
FJAM-A300-CFV, TFC, TFD	CS18K63	POE	25.1	34.1	19.4	1-1/8 S	3/8 S		25.8 - 35	18.8 - 20	9.1 - 15	16.3	217
FTAH-A35Z-CFV-TFC-TFD	ZB38KCE	POE	25.2	34.0	19.0	1-1/8 S	3/8 S		41.7 - 60	30.4 - 45	15.2 - 20	21.0	250
F3AD-B325-CFV, TFC, TFD	CR41KQ	MIN	25.2	34.1	18.9	1-1/8 S	3/8 S		30.1 - 40	22.2 - 25	10.6 - 15	20.0	239
FJAM-A325-CFV, TFC, TFD	CS20K6E	POE	25.1	34.1	18.9	1-1/8 S	3/8 F		29.1 - 40	20.1 - 25	9.6 - 15	16.3	224
F3AD-B401-CFV, TFC, TFD	CR53KQ	MIN	28.2	44.1	26.9	1-1/8 S	1/2 S		39.9 - 60	26.1 - 40	13.8 - 20	31.5	306
FJAM-B400-CFV, TFC, TFD	CS27K6E	POE	28.2	44.1	26.9	1-1/8 S	1/2 F		33.5 - 50	23.1 - 35	12.0 - 15	27.3	373
F3AD-A501-CFV, TFC, TFD	CRN5-0500	MIN	28.6	44.1	26.9	1-1/8 S	1/2 F		46.4 - 70	30.3 - 45	14.4 - 20	31.5	337
FJAM-B500-CFV, TFC	CS33K3E	POE	28.2	44.1	26.8	1-1/8 S	1/2 S		42.0 - 60	27.0 - 40		27.3	295

F - Flare
S - Sweat

SystemPro™ Air-Cooled Condensing Units

Capacity Data

LOW TEMP Model	Bill of Materiall	Ref.	H.P.	Capacity (BTU/Hr) at 90°F Ambient Evaporator Temp (°F)					
				-30	-25	-20	-15	-10	0
MBFS-0017-SAA	**106**	12	1/6		380	450	510	580	720
MBFS-0020-SAA	**106**	12	1/5		470	540	620	700	870
M2FL-0023-IAA	**106**	134a	1/4		440	550	630	740	960
MBFS-0024-SAA	**106**	12			640	750	850	960	1180
M4FL-0025-IAA	**072,** 105, 109, 001	404A			610	710	810	920	1160
M2FL-A025-IAA	**105, 109, 001**	134a			720	820	940	1070	1370
MBFS-0033-IAA	**105, 109, 201, 272**	12	1/3		860	990	1130	1270	1550
MBFL-0034-IAA	**105, 109, 001**	12			1160	1330	1510	1700	2080
M2FL-B033-IAA	105, **109, 001**	134a			850	960	1040	1240	1590
M4FL-0033-IAA	**072, 105, 109, 001**	404A			860	1040	1210	1390	1750
M2FL-0040-IAA	**105, 109, 001**	134a			920	1120	1320	1540	2010
M4FL-0040-IAA	**105, 109, 201, 272**	404A			1320	1550	1790	2040	2560
MBFL-0050-IAA	**201**	12	1/2		1620	1780	2140	2400	2980
FTAL-A050-IAA, IAV	105, **109, 201**	134a			1280	1590	1910	2260	2980
M4FL-0051-IAA	**105, 109, 201, 272**	404A			1460	1760	2080	2430	3160
M4FL-0067-CFA, CFV	**105, 109, 201, 272**	404A	3/4		2190	2520	2890	3290	4200
FJAF-A075-CAA, IAV	**001**	404A			2110	2560	3020	3490	4400
FJAL-A101-CAV, TFC	**001**	404A	1		3160	3680	4240	4850	6170
FJAL-A103-CFV, TFC	**001**	404A		2380	2950	3570	4230	4950	6500
FJAL-B200-CFV, TFC, TFD	**001**	404A	2	4100	5040	6060	7130	8260	10500
FJAL-A225-CFV, TFC, TFD	001	404A	2 1/4	4350	5380	6510	7730	9010	11600
FJAL-B301-CFV, TFC, TFD	**010**	404A	3	6330	7830	9470	11200	13100	16900
FJAL-A390-CFV, TFC, TFD	**010**	404A	4	8700	10400	12200	14000	16000	20000

Capacities are at 60 Hertz with 5°F subcooling
LT models are rated at 40°F return gas temperature

SystemPro™ Air-Cooled Condensing Units

Capacity Data

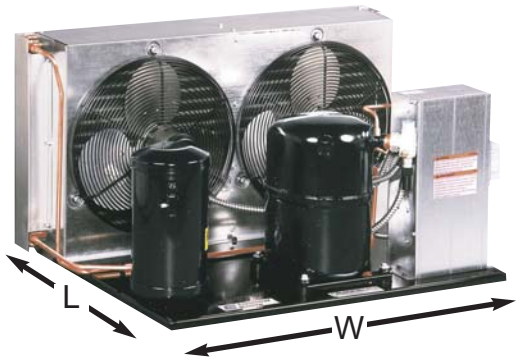
LOW TEMP Model	Capacity (BTU/Hr) at 100°F Ambient Evaporator Temp (°F)						Capacity (BTU/Hr) at 110°F Ambient Evaporator Temp (°F)					
	-30	-25	-20	-15	-10	0	-30	-25	-20	-15	-10	0
MBFS-0017-SAA		350	410	470	540	670		320	380	430	500	620
MBFS-0020-SAA		430	500	580	650	810		390	460	530	600	760
M2FL-0023-IAA		420	510	600	710	920		370	470	550	650	870
MBFS-0024-SAA		590	690	790	890	1100		530	630	720	830	1030
M4FL-0025-IAA		560	640	740	840	1050		500	570	660	750	930
M2FL-A025-IAA		670	760	870	1000	1280			700	800	920	1190
MBFS-0033-IAA		790	920	1050	1180	1450		710	840	960	1100	1370
MBFL-0034-IAA		1050	1220	1390	1570	1920		960	1120	1280	1430	1760
M2FL-B033-IAA		770	880	1000	1150	1480			800	920	1050	1360
M4FL-0033-IAA		690	850	1010	1180	1530		520	670	830	990	1320
M2FL-0040-IAA		780	960	1150	1350	1810		600	780	970	1170	1630
M4FL-0040-IAA		1100	1310	1530	1770	2240		850	1060	1280	1500	1970
MBFL-0050-IAA		1430	1690	1950	2220	2740		1270	1510	1750	1990	2480
FTAL-A050-IAA, IAV		1050	1340	1640	1970	2660					1700	2350
M4FL-0051-IAA		1240	1500	1790	2100	2770		970	1210	1480	1770	2410
M4FL-0067-CFA, CFV		1960	2260	2590	2960	3770			2000	2310	2650	3410
FJAF-A075-CAA, IAV		1770	2200	2620	3060	3920			1840	2230	2630	3400
FJAL-A101-CAV, TFC		2720	3200	3720	4270	5470			2710	3180	3680	4740
FJAL-A103-CFV, TFC	1930	2430	2970	3550	4180	5540	1510	1920	2370	2850	3380	4540
FJAL-B200-CFV, TFC, TFD	3410	4250	5170	6140	7160	9170		3520	4310	5160	6060	7840
FJAL-A225-CFV, TFC, TFD	3610	4540	5560	6670	7840	10200	2970	3760	4660	5640	6680	8840
FJAL-B301-CFV, TFC, TFD	5370	6700	8170	9750	11400	14900	4470	5620	6910	8310	9820	12900
FJAL-A390-CFV, TFC, TFD	7280	8890	1050	12200	14000	17600	5900	7400	8910	10400	12000	15300

SystemPro™ Air-Cooled Condensing Units

Physical/Electrical Data

LOW TEMP Model	Comp Model	Oil Type	Overall Dimensions (in.)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Cap. (lbs)	Ship Weight (lbs)
			L	W	H	Suction	Liquid	115-1-60	230-1-60	230-3-60	460-3-60		
MBFS-0017-SAA	ARB13C3	AB	13.8	11.1	9.7	3/8 F	1/4 F	4.2 - 15					33
MBFS-0020-SAA	ARB17C3	AB	13.8	11.1	9.7	3/8 F	1/4 F	5.5 - 15					35
M2FL-0023-IAA	AFB05C3E	POE	13.8	11.8	9.7	3/8 F	1/4 F	4.2 - 15					36
MBFS-0024-SAA	ARE25C3	AB	13.8	11.8	9.7	3/8 F	1/4 F	6.3 - 15					36
M4FL-0025-IAA	AFB09C3E	POE	13.8	11.8	9.7	3/8 F	1/4 F	6.7 - 15				2.4	42
M2FL-A025-IAA	AFE10C3E	POE	13.8	11.8	9.7	3/8 F	1/4 F	6.9 - 15				2.5	35
MBFS-0033-IAA	ARE37C3	AB	13.8	11.8	9.7	3/8 F	1/4 F	9.7 - 15				2.9	51
MBFL-0034-IAA	AFT12C1	AB	16.0	12.2	9.7	3/8 F	1/4 F	7.0 - 15				2.9	47
M2FL-B033-IAA	AFE12C3E	POE	16.2	12.4	9.7	3/8 F	1/4 F	6.7 - 15				2.5	44
M4FL-0033-IAA	AFE11C3E	POE	13.8	12.0	9.7	3/8 F	1/4 F	7.7 - 15				2.2	44
M2FL-0040-IAA	AFT12C1E	POE	16.7	12.6	9.7	3/8 F	1/4 F	7.3 - 15				2.8	55
M4FL-0040-IAA	AFE13C3E	POE	16.2	13.1	11.8	3/8 F	1/4 F	8.9 - 15				3.1	52
MBFL-0050-IAA	AFJ23C1	AB	16.2	13.1	11.8	1/2 F	1/4 F	9.9 - 15				4.6	69
FTAL-A050-IAA, IAV	RF18C2E	POE	16.0	13.3	11.9	1/2 F	1/4 F	17.2 - 25	9.5 - 15			3.6	69
M4FL-0051-IAA	AFT18C1E	POE	17.4	13.1	11.8	1/2 F	1/4 F	11.6 - 15				3.5	65
M4FL-0067-CFA, CFV	AFT26C1E	POE	18.1	14.4	11.8	1/2 F	1/4 F	12.7 - 15	6.8 - 15			3.8	65
FJAF-A075-CAA, IAV	RS64C2E	POE	24.0	16.9	13.1	5/8 F	3/8 F	21.0 - 30	10.8 - 15			4.8	127
FJAL-A101-CAV, TFC	RS80C2E	POE	24.0	16.9	13.1	5/8 F	3/8 F		13.2 - 20	9.2 - 15		9.2	107
FJAL-A103-CFV, TFC	CF04K6E	POE	24.0	17.2	15.0	7/8 S	3/8 F		13.2 -20	9.2 -15		7.2	125
FJAL-B200-CFV, TFC, TFD	CF06K6E	POE	24.0	19.5	16.3	7/8 S	3/8 F		17.2 - 25	11.7 - 15	6.2 - 15	7.9	138
FJAL-A225-CFV, TFC, TFD	CF06K6E	POE	25.2	34.1	19.0	7/8 S	3/8 F		16.6 - 25	11.1 - 15	6.1 - 15	14.3	197
FJAL-B301-CFV, TFC, TFD	CF09K6E	POE	25.2	34.1	19.0	7/8 S	3/8 F		26.7 - 35	18.6 - 20	10.1 - 15	16.3	225
FJAL-A390-CFV, TFC, TFD	CF12K6E	POE	25.2	34.1	19.0	7/8 S	3/8 F		31.4 - 45	21.2 - 25	11.5 - 15	16.3	232

S - Sweat
F - Flare



SystemPro™ Air-Cooled Condensing Units

To select a condensing unit determine:

(1) Model
(2) Voltage
(3) Bill of Material (BOM)

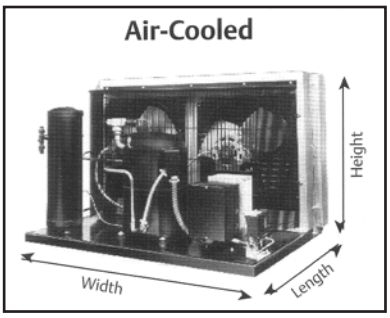
Example: M4FH-0025 -IAA -201
Model voltage BOM
1+2+3 = complete model number

Electric Nomenclature

(voltage-phase-hertz)

115-1-60	208/230-1-60	208/230-3-60	460-3-60
CAA/CFA	CAV/CFV	TFC	TFD
IAA	IAV		
SAA			

SAA indicates low torque start, all other designations are high torque. These electrical designations are part of the unit model number. The TFD versions will not be stock models but are available in normal production lead times.



Unit Features

BOM	Suction Connections		Liquid Connections		Filter Drier	Sight Glass	Electrical Connections		Fan Cycle Control	Fan Guard	UL/UR
	Suction Valve	Suction Accumulator	Base Valve	Receiver w/Valve			Power Cord	BX Conduit			
105	•		•				•				UR
106	•						•				UR
109	•			•			•				UR
201	•			•				•		•	UR*
001	•			•				•		•	UL
010	•	•		•				•	•	•	UL
015	•	•		•				•	•	•	UL
020	•			•				•		•	UL
072	•			•	•	•		•		•	UL
272	•			•	•	•		•		•	UR

*These recognized models are identical to listed models less pressure control. Need for the control is to be evaluated in the end use application.

Control Data*

Horsepower	Voltage	Bill of Material	Crankcase Heater	Low Pressure Control	High/Low Pressure Control	Contactor	115 Volt Control Circuit Transformer
1/6 - 1/2	All	All	No	No	No	No	No
3/4	115 or 208/230 (1Ph)	-201	No	No	No	No	No
3/4	115 or 208/230 (1Ph)	-001	No	Yes	No	No	No
1	115 or 208/230 (1Ph)	-001	Yes(1)	Yes	As Required	No	No
1	208/230 (3Ph)	-001	Yes(1)		Yes	Yes	No
1-1/4 - 1-1/2	208/230 (1Ph)	All	No(2)		Yes	No	No
1-1/4 - 1-1/2	208/230 (3Ph)	All	No(2)		Yes	Yes	No
2 - 5	208/230 (1Ph)	All	Yes		Yes	Yes	No
2 - 5	208/230 (3Ph)	All	Yes		Yes	Yes	No
1 - 5	460 (3Ph)	All	Yes(1)		Yes	Yes	Yes

* This data applies to units listed in this brochure only.
(1) Except units using “R” Compressor
(2) Except units using “CS or CF” Compressor

SystemPro™ Air-Cooled Condensing Units

Competitor Cross Reference Guide

	Compressor			Copeland Condensing Unit	Volt	BOM	HP	BTU/Hr	Dimensions (in.)		
	Copeland® Brand Products		Tecumseh						L	W	H
						HIGH Temperature (+45°F Evap, 90°F Ambient)					
R-12	ARB13C3		AEA3414AXA	MBFS-0017	SAA	-106	1/6	1,580	13.8	11.1	9.7
	ARB17C3		AEA3417AXA	MBFS-0020	SAA	-106	1/5	1,800	13.8	11.1	9.7
	ARE25C3		AEA3425AXA	MBFS-0024	SAA	-106	1/4	2,440	13.8	11.8	9.7
	ARE27C3	JRN1-0025	AEA4430AXA	MBFH-A026	IAA	-109	1/4	2,860	13.8	11.8	9.7
	ARE37C3	JRE1-0033	AEA4440AXA	MBFS-0033	IAA	-109	1/3	3,600	13.8	11.8	9.7
	ART51C1	JRL4-0050	AEA4448AXA	MBFH-0049	IAA	-201	1/2	4,870	16.2	13.1	11.8
	ART62C1		AJA4461AXA	MBFH-0050	IAA	-109	1/2	5,910	17.9	13.1	11.8
R-22	ARB21C3		AEA9415EXA	MMFH-0022	IAA	-106	1/5	2,360	13.8	11.4	9.7
	ARE36C3		AEA9422EXA	MCFH-0027	IAA	-201	1/4	3,660	13.8	11.3	9.7
	ARE43C3	JRS4-0050	AEA9422EXA	MCFH-0036	IAA	-201	1/3	4,500	16.2	12.7	11.7
	ARE59C3	JRE1-0050	AKA9428EXA	MCFH-0049	CAA	-201	1/2	6,090	16.1	13.1	11.8
	ART69C1	JRF4-0050	AKA9442EXA	MCFH-0056	IAA	-201	1/2+	7,440	17.4	14.4	11.8
R-134a	ARB13C3E		AEA3414YXA	M2FH-0017	SAA	-106	1/6	1,710	13.8	11.3	9.7
	ARB17C3E		AEA3417YXA	M2FH-0020	SAA	-106	1/5	1,930	13.8	11.3	9.7
	ARE25C3E		AEA3425YXA	M2FH-0024	SAA	-106	1/4	2,600	13.8	11.8	9.7
	ARE27C3E	JR26C1E	AEA4430YXA	M2FH-0026	IAA	-001	1/4+	2,940	13.8	11.8	9.7
	ARE37C3E	JR36C1E	AEA4440YXA	M2FH-A033	IAA	-201	1/3	3,820	13.8	11.3	9.7
	ART51C1E	JR53C1E	AEA4448YXA/D	M2FH-0049	IAA/IAV	-201	1/2-	5,150	16.2	12.7	11.8
	ART62C1E		AKA4460YXA/D	M2FH-0050	IAA/IAV	-201	1/2	6,290	16.2	12.7	11.8
	ART64C1E		AKA4476YXA/D	M2FH-0056	IAA/IAV	-201	1/2+	6,870	17.9	14.3	11.8
R-404A	ASB12C3E		AEA9415ZXA	M4FH-0022	IAA	-106	1/5	2,310	13.8	11.4	9.7
	ASE19C3E	JS19C1E	AEA9422ZXA	M4FH-0025	IAA	-201	1/4	3,240	13.8	11.8	9.7
	ASE24C3E	JS25C1E	AKA9427ZXA/D	M4FH-A036	IAA/IAV	-201	1/3	4,650	16.1	12.7	11.8
	ASE32C3E	JS35C1E	AKA9438ZXA/D	M4FH-0050	CAA/CAV	-201	1/2	6,040	16.1	12.7	11.8
						LOW Temperature (-10°F Evap, 90°F Ambient)					
R-12	ARB13C3		AEA1343AXA	MBFS-0017	SAA	-106	1/6	580	13.8	11.1	9.7
	ARB17C3		AEA1360AXA	MBFS-0020	SAA	-106	1/5	700	13.8	11.1	9.7
	ARE25C3		AEA3425AXA	MBFS-0024	SAA	-106	1/4	960	13.8	11.8	9.7
	ARE37C3	JFC1-0025	AEA2410AXA	MBFS-0033	IAA	-109	1/3	1,270	13.8	11.8	9.7
	AFT12C1	JFH1-0033	AEA2415AXA	MBFL-0034	IAA	-001	1/3+	1,700	16.0	12.2	9.7
	AFJ23C1	JFP1-0050	AJA2425AXA	MBFL-0050	IAA	-201	1/2	2,400	16.2	13.1	11.8
R-134a	AFB05C3E		AEA1360YXA	M2FL-0023	IAA	-106	1/5	740	13.8	11.8	9.7
	AFE10C3E		AEA2410YXA	M2FL-A025	IAA	-105	1/4	1,070	13.8	11.8	9.7
	AFE12C3E	JF11C1E	AEA2413YXA	M2FL-B033	IAA	-001	1/3	1,240	13.8	12.4	9.7
	AFT12C1E		AEA2413YXA	M2FL-0040	IAA	-109	1/3+	1,540	16.7	12.6	9.7
	RF18C2E		AJA2419YXA/D	FTAL-A050	IAA/IAV	-201	1/2	2,260	16.0	13.3	11.9
R-404A	AFB09C3E		AEA2410ZXA	M4FL-0025	IAA	-001	1/4	920	13.8	12.0	9.7
	AFE11C3E		AEA2380ZXA	M4FL-0033	IAA	-001	1/3	1,390	13.8	12.0	9.7
	AFE11C3E		AEA2411ZXA	M4FL-0033	IAA	-001	1/3	1,390	13.8	12.0	9.7
	AFE13C3E		AHA2419ZXA	M4FL-0040	IAA	-201	1/3+	2,040	16.2	13.1	11.8
	AFE13C3E		AJA2419ZXA	M4FL-0040	IAA	-201	1/3+	2,040	16.2	13.1	11.8
	AFT18C1E		AJA2425ZXA	M4FL-0051	IAA	-201	1/2	2,430	17.4	13.1	11.8
	AFT26C1E		AJA2425ZXA/D	M4FL-0067	CFA/CFV	-201	1/2+	3,290	18.1	14.4	11.8

Service Tip Cards	**Form Number**
Alternative Refrigerants and Oils	2005FC-253
Compressor Overheat	2005DS-279
Evacuation	2005DS-132
Evaporator vs. System Superheat	2005DS-133
Expansion Valves	2005DS-130
Flooding	2005DS-134
Migration	2005DS-135
Oil Separators	2005DS-136
Pump Down Systems	2005DS-137
Bi-Flow TXV	2005FC-254
Checking Power Elements of TXV	2005FC-255
Global Warming	2005FC-256
Internal or External Equalized TXV	2005FC-257
Liquid-to-Suction Heat Exchangers	2005FC-258
Maximum Operating Pressure (MOP)	2005FC-260
Moisture Indicators and Sight Glasses	2005FC-259
System Clean-Up After Motor Burn	2005FC-261
TXVs and SEER	2005FC-262
R-12 and Polyol Ester Oil	2005DS-277
Sensing Bulb Location	2005DS-131
Service Valves	2005DS-280
Single Phase Burns	2005DS-278
Subcooling	2005DS-138
Suction Accumulators	2005DS-129
Superheat	2005DS-139
TXV Selection	2005DS-128

SystemPro™ Water-Cooled Condensing Units

Capacity Data

HIGH/MED TEMP Model				Capacity (BTU/Hr) at 75° Inlet Water - Evaporator Temp (0°F)							
	BOM	Refrig.	H. P.	0	+10	+15	+20	+25	+30	+40	+45
MCWH-C027-IAA	**020**	22	1/4		1980	2260	2570	2910	3300	4200	4730
M2WH-C026-IAA	020	134a	1/4		1360	1620	1890	2160	2450	3100	4860
M4WH-C025-IAA	020	404A	1/4		2030	260	2520	2790	3090	3790	4190
MCWH-C036-IAA	020	22	1/3		2280	2600	2950	3330	3750	4700	5230
M2WH-C033-IAA, IAV	020	134a	1/3		1790	2190	2590	3000	35420	4350	4860
M2WH-C040-IAA, IAV	020	134a	1/3		2130	2530	2950	3390	3870	4920	5520
M4WH-C036-IAA, IAV	020	404A	1/3		2460	2780	3130	3520	3960	5000	5630
MCWH-C049-CAA, CAV	**020**	22	1/2		3220	3660	4130	4640	5200	6400	7060
MCWH-C056-IAA, IAV	020	22	1/2		3730	4230	4780	5390	6090	7770	8790
M2WH-C049-IAA, IAV	020	134a	1/2		2590	3050	3540	4050	4610	5860	6560
M2WH-C050-IAA, IAV	020	134a	1/2		2970	3520	4110	4720	5390	6860	7680
M2WH-C056-IAA, IAV	**020**	134a	1/2		3220	3830	4470	5140	5860	7460	8350
M4WH-C050-CAA, CAV	020	404A	1/2		3570	4020	4530	5130	5830	7590	8680
FJWM-C056-IAA, IAV	020	404A	1/2	3160	4180	4750	5350	6000			
F3WH-C078-IAA, IAV	**020**	22	3/4		4550	5310	6110	6980	7910	10020	11200
FTWH-C074-IAA, IAV	**020**	134a	3/4		4260	4940	5690	6530	7490	9820	11200
FTWM-C075-IAA, IAV	**020**	134a	3/4		4650	5580	6650	7850			
FJWM-C078-CAA, CAV	020	404A	3/4	4100	5460	6220	7040	7930			
F3WH-C100-CAV	020	22	1		5950	6800	7730	8750	9850	12300	13700
F3WM-C105-CFV, TFC	020	22	1		6550	7720	8970	10300			
FPWN-C150-CFV, TFC, TFD	020	134a	1		5150	6260	7570	8900	10500	14000	16200
FJWM-C106-CAV	020	404A	1	5030	6490	7300	8170	9100			
FPWN-C225-CFV, TFC, TFD	**020**	134a	1 1/4		7630	9050	10700	12500	14400	18700	21000
FJWM-C125-CFV, TFC	020	404A	1 1/4	5400	7070	8030	9100	10300			
FJWM-C126-CAV, TFC	020	404A	1 1/4	6380	8240	9290	10400	11600			
F3WD-C151-CFV, TFC, TFD	**020**	22	1 1/2		8120	9760	11600	13500	15700	20400	23000
FPWN-C300-CFV, TFC,TFD	020	134a	1 1/2		9720	11500	13600	15900	18400	23800	26800
FPWN-C150-CFV, TFC, TFD	**020**	404A	1 1/2	7350	10300	11900	13700	15500			
F3WD-C201-CFV, TFC, TFD	020	22	2		10400	12400	14600	16900	19400	25100	28300
FPWN-C325-CFV, TFC, TFD	**020**	134a	2		10300	12600	15000	17800	20900	28200	32400
FJWM-C200-CFV, TFC	020	404A	2	8720	12000	13900	15800	17900			
F3WD-C225-CFV, TFC, TFD	020	22	2 1/4		12000	14200	16600	19300	22100	28600	32100
FPWN-C225-CFV, TFC, TFD	020	404A	2 1/4	10800	14500	16500	18600	20900			
F3WD-C301-CFV, TFC, TFD	**020**	22	3		17900	20800	24000	27400	31100	39000	43300
FPWN-C300-CFV, TFC, TFD	020	404A	3	13400	18600	21400	24300	27200			
F3WD-C325-CFV, TFC, TFD	020	22	3 1/4		20200	23300	26600	30200	34200	43400	48800
FPWN-C325-CFV, TFC, TFD	020	404A	3 1/4	15100	20400	23600	27200	31400			
F3WD-C401-CFV, TFC, TFD	020	22	4		26300	30400	34700	39400	44600	56600	63700
FJWM-C400-CFV, TFC, TFD	020	404A	4	20100	27500	31700	36400	41400			
F3WD-C501-CFV, TFC, TFD	020	22	5		30100	34700	39700	45100	52900	63900	71200
FJWM-C500-CFV, TFC	020	404A	5	23900	32000	36500	41300	46300			

Bolded - Stock Item

Capacity at 60 Hertz with 5° subcooling
HT models are rated at 65°F return gas temperature
MT models are rated at 40°F return gas temperature

SystemPro™ Water-Cooled Condensing Units

Water Flow Rate Data

HIGH/MED TEMP Model	Refrig.	Water Flow Rate (Gal/Min)at 75° Inlet Water - Evaporator Temp (0°F)								
		0	+10	+15	+20	+25	+30	+35	+40	+45
MCWH-C027	22		0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6
M2WH-C026	134a		0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5
M4WH-C025	404A		0.3	0.3	0.4	0.4	0.4	0.5	0.05	0.6
MCWH-C036	22		0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.7
M2WH-C033	134a		0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7
M2WH-C040	134a		0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8
M4WH-C036	404A		0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7
MCWH-C049	22		0.5	0.6	0.6	0.7	0.7	0.8	0.9	0.9
MCWH-C056	22		0.6	0.6	0.7	0.8	0.8	0.9	1.0	1.1
M2WH-C049	134a		0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9
M2WH-C050	134a		0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.0
M2WH-C056	134a		0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1
M4WH-C050	404A		0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.1
FJWM-C056	404A	0.6	0.7	0.8	0.8	0.9				
F3WH-C078	22		0.8	0.9	1.0	1.1	1.2	1.3	1.5	
FTWH-C074	134a		0.7	0.8	0.9	1.0	1.2	1.2	1.3	1.6
FTWM-C075	134a		0.8	0.9	1.0	1.2				
FJWM-C078	404A	0.7	0.9		1.0	1.1	1.2			
F3WH-C100	22		1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.9
F3WM-C105	22		1.0	1.1	1.3	1.4				
FPWN-C150	134a		0.8	1.0	1.1	1.2	1.4	1.6	1.8	2.0
FJWM-C106	404A	0.9	1.0	1.1	1.2	1.3				
FPWN-C225	134a		1.1	1.2	1.4	1.6	1.9	2.1	2.3	2.6
FJWM-C125	404A	0.9	1.1	1.2	1.3	1.4				
FJWM-C126	404A	1.1	1.3	1.4	1.5	1.7				
F3WD-C151	22		1.2	1.4	1.6	1.8	2.0	2.3	2.5	2.8
FPWN-C300	134a		1.4	1.6	1.8	2.1	2.3	2.6	2.9	3.2
FPWN-C150	404A	1.1	1.5	1.7	1.9	2.1				
F3WD-C201	22		1.6	1.8	2.0	2.3	2.6	2.9	3.2	3.5
FPWN-C325	134a		1.4	1.6	1.9	2.2	2.6	3.0	3.4	3.8
FJWM-C200	404A	1.3	1.7	1.9	2.1	2.4				
F3WD-C225	22		1.8	2.0	2.3	2.6	2.9	3.3	3.6	4.0
FPWN-C225	404A	1.6	2.1	2.3	2.5	2.8				
F3WD-C301	22		2.5	2.9	3.2	3.6	4.0	4.4	4.9	5.3
FPWN-C300	404A	2.0	2.6	2.9	3.3	3.6				
F3WD-C325	22		2.8	3.2	3.6	4.0	4.4	4.9	5.4	6.0
FPWN-C325	404A	2.0	2.6	3.0	3.4	3.9				
F3WD-C401	22	2.0	3.7	4.2	4.7	5.2	5.8	6.4	7.1	7.8
FJWM-C400	404A	3.0	3.9	4.4	4.9	5.5				
F3WD-C501	22		4.3	4.9	5.4	6.0	6.7	7.3	8.0	8.8
FJWM-C500	404A	3.6	4.6	5.1	5.6	6.2				

SystemPro™ Water-Cooled Condensing Units

Physical Data

HIGH/MED TEMP Model	Comp Model	Overall Dimensions (In)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Capacity (lbs)	Ship Wt. (lbs)
		L	W	H	Suction	Liquid	115-1-60	230-1-60	230-3-60	460-3-60		
MCWH-C027	ARE36C3	17.9	13.0	8.7	3/8 S	1/4 S	18.4 - 15				1.9	49
M2WH-C026	ARE27C3E	17.9	13.0	8.7	3/8 S	1/4 S	6.3 - 15				1.9	44
M4WH-C025	ASE19C3E	17.9	12.8	9.0	3/8 S	1/4 S	10.0 - 15				1.7	44
MCWH-C036	ARE43C3	17.9	12.8	8.8	3/8 S	1/4 S	8.9 - 15				2.6	50
M2WH-C033	ARE37C3E	17.9	13.0	8.7	3/8 S	1/4 S	9.0 - 15	4.3 - 15			1.9	50
M2WH-C040	ARE41C3E	17.9	13.0	8.7	3/8 S	1/4 S	9.3 - 15	4.9 - 15			1.9	50
M4WH-C036	ASE24C3E	17.9	12.8	9.0	3/8 S	1/4 S	9.8 - 15	5.2 - 15			2.5	51
MCWH-C049	ARE59C3	17.9	12.8	9.3	3/8 S	1/4 S	10.0 - 15	5.0 - 15			2.6	54
MCWH-C056	ART69C1	17.9	13.3	9.8	3/8 S	1/4 S	14.3 - 25	7.6 - 15			2.6	54
M2WH-C049	ART51C1E	17.9	12.8	9.0	3/8 S	1/4 S	11.6 - 20	6.0 - 15			2.7	60
M2WH-C050	ART62C1E	17.9	12.8	9.8	3/8 S	1/4 S	13.8 - 20	6.7 - 15			2.7	60
M2WH-C056	ART64C1E	17.9	12.8	9.8	3/8 S	1/4 S	13.8 - 20	7.8 - 15			2.7	60
M4WH-C050	ASE32C3E	17.9	12.8	9.3	3/8 S	1/4 S	11.5 - 20	6.1 - 15			2.5	51
FJWM-C056	RS43C2E	17.9	13.2	11.2	5/8 S	1/4 S	12.6 - 20	7.1 - 15			3.0	76
F3WH-C078	RS47C2	24.0	17.1	12.1	5/8 S	3/8 S	17.9 - 30	8.9 - 15			4.2	90
FTWH-C074	RR81C2E	18.0	12.7	11.6	5/8 S	1/4 S	19.0 - 30	11.3 - 20			3.5	93
FTWM-C075	RS54C2E	24.0	16.1	11.8	5/8 S	3/8 S	14.8 - 25	8.5 - 15			6.4	106
FJWM-C078	RS55C2E	24.0	17.1	12.1	5/8 S	3/8 S	16.5 - 25	7.6 - 15			5.5	80
F3WH-C100	RS64C2	24.0	16.1	11.8	5/8 S	3/8 S		9.6 - 15			4.2	96
F3WM-C105	RS70C1	24.0	17.3	12.8	7/8 S	3/8 S		8.8 - 15	5.9 - 15	3.3 - 15	13.6	99
FPWN-C150	CS10K6E	24.0	16.2	17.0	7/8 S	3/8 S		13.6 - 20	9.4 - 15	4.5 - 15	12.8	132
FJWM-C106	RS64C2E	24.0	16.1	11.8	7/8 S	3/8 S		9.6 - 15			5.5	90
FPWN-C225	CS14K6E	24.0	16.8	15.0	7/8 S	3/8 S		15.5 - 25	11.4 - 20	5.9 - 15	11.0	133
FJWM-C125	RS70C1E	24.0	18.5	12.8	7/8 S	3/8 S		8.8 - 15	5.9 - 15		10.4	99
FJWM-C126	RS80C2E	24.0	17.3	12.8	7/8 S	3/8 S		12.0 - 20	8.0 - 15		10.6	119
F3WD-C151	CR18KQ	24.0	16.1	15.0	7/8 S	3/8 S		15.0 - 20	7.5 - 15	3.8 - 15	14.0	131
FPWN-C300	CS18K6E	24.0	16.9	15.0	1-1/8 S	3/8 S		20.0 - 35	13.0 - 20	5.9 - 15	12.8	133
FPWN-C150	CS10K6E	24.0	16.2	17.0	7/8 S	3/8 S		13.6 - 20	9.4 - 15	4.5 - 15	11.0	132
F3WD-C201	CR24KQ	24.0	16.1	15.0	7/8 S	3/8 S		16.9 - 30	9.4 - 15	4.6 - 15	14.0	135
FPWN-C325	CS20K6E	26.2	21.0	15.5	1-1/8 S	3/8 S		23.3 - 40	14.3 - 25	6.4 - 15	13.5	164
FJWM-C200	CS12K6E	24.0	16.8	15.0	7/8 S	3/8 S		13.6 - 20	9.4 - 15		11.0	133
F3WD-C225	CR28KQ	24.0	16.1	15.0	7/8 S	3/8 S		18.8 - 30	11.0 - 15	5.5 - 15	14.0	150
FPWN-C225	CS14K6E	24.0	16.8	15.0	7/8 S	3/8 S		15.5 - 25	11.4 - 20	5.9 - 15	11.0	133
F3WD-C301	CR37KQ	26.2	21.0	15.4	1-1/8 S	3/8 S		23.1 - 40	13.9 - 20	7.0 - 15	14.7	164
FPWN-C300	CS18K6E	24.0	16.9	15.0	1-1/8 S	3/8 S		20.0 - 35	13.0 - 20	5.9 - 15	11.0	133
F3WD-C325	CR41KQ	26.2	21.0	15.4	1-1/8 S	3/8 S		24.3 - 40	16.4 - 25	7.4 - 15	14.7	185
FPWN-C325	CS20K6E	26.2	21.0	15.5	1-1/8 S	3/8 S		23.3 - 40	14.3 - 25	6.4 - 15	11.6	164
F3WD-C401	CR53KQ	26.8	21.0	21.1	1-1/8 S	1/2 S		41.9 - 60	25.9 - 40	10.8 - 15	21.1	197
FJWM-C400	CS27K6E	26.2	21.0	21.0	1-1/8 S	1/2 S		29.9 - 50	19.5 - 35	9.6 - 15	18.2	188
F3WD-C501	CRN5-0500	25.8	21.8	21.1	1-1/8 S	1/2 S		46.4 - 70	30.3 - 45		21.1	197
FJWM-C500	CS33K6E	25.0	21.1	21.3	1-1/8 S	1/2 S		38.4 - 60	25.9 - 45		18.2	188

S-Sweat

Note: Water Connections (Inlet/Outlet) 1/2 in.

SystemPro™ Water-Cooled Condensing Units

Capacity Data

LOW TEMP Model				Capacity (BTU/Hr) at 75° Inlet Water - Evaporator Temp (0°F)					
	BOM	Refrig.	H. P.	-30	-25	-20	-15	-10	0
M2WL-C025-IAA	020	134a	1/4		700	800	930	1080	1430
M4WL-C025-IAA	020	404A	1/4		580	680	780	900	1180
M2WL-C033-IAA	020	134a	1/3		860	990	1150	1330	1750
M2WL-C040-IAA	020	134a	1/3		820	1040	1270	1530	2120
M4WL-C033-IAA	020	404A	1/3		770	960	1160	13780	1830
FTWL-C050-IAA, IAV	020	134a	1/2		1120	1490	1890	2320	3290
M4WL-C040-IAA	020	404A	1/2		1180	1430	1690	1970	2590
M4WL-C051-IAA	020	404A	1/2		1250	1530	1850	2200	2990
M4WL-C067-CFA	020	404A	1/2		2160	2520	2940	3420	4590
FJWL-C075-CAA, IAV	**020**	404A	3/4		2090	2614	3160	3750	5020
FJWL-C103-CFV, TFC	**020**	404A	1	2170	2940	3730	4590	5550	7930
FJWL-C200-CFV, TFC, TFD	**020**	404A	2	3940	5020	6250	7620	9090	12300
FJWL-C301-CFV, TFC, TFD	**020**	404A	3	5810	7360	9110	11000	13200	17800
FJWL-C390-CFV, TFC	020	404A	4	7880	9940	12100	14400	16800	22100

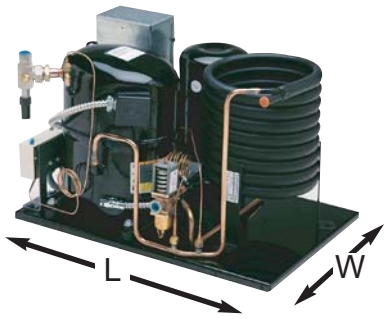
Bolded - Stock Item

Capacity at 60 Hertz with 5° subcooling
LT models are rated at 40°F return gas temperature

SystemPro™ Water-Cooled Condensing Units

Water Flow Rate Data

LOW TEMP Model		Water Flow Rate (Gal/Min) at 75°F Inlet Water - Evaporator Temp (0°F)					
	Refrig.	-30	-25	-20	-15	-10	0
M2WL-C025	134a		0.1	0.2	0.2	0.2	0.3
M4WL-C025	404A		0.1	0.2	0.2	0.2	0.2
M2WL-C033	134a		0.2	0.2	0.2	0.2	0.3
M2WL-C040	134a		0.2	0.2	0.3	0.3	0.4
M4WL-C033	404A		0.2	0.3	0.3	0.4	0.4
FTWL-C050	134a		0.3	0.3	0.4	0.4	0.5
M4WL-C040	404A		0.2	0.3	0.3	0.4	0.4
M4WL-C051	404A		0.3	0.3	0.4	0.4	0.5
M4WL-C067	404A		0.4	0.5	0.6	0.6	0.8
FJWL-C075	404A		0.5	0.6	0.6	0.7	0.9
FJWL-C103	404A	0.5	0.6	0.7	0.8	0.9	1.2
FJWL-C200	404A	0.8	0.9	1.1	1.3	1.5	1.9
FJWL-C301	404A	1.1	1.3	1.6	1.8	2.1	2.7
FJWL-C390	404A	1.2	1.4	1.7	2.0	2.3	3.0



SystemPro™ Water-Cooled Condensing Units

Physical Data

LOW TEMP Model	Comp Model	Overall Dimensions (In)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Capacity (lbs)	Ship Wt. (lbs)
		L	W	H	Suction	Liquid	115-1-60	230-1-60	230-3-60	460-3-60		
M2WL-C025	AFE10C3E	24.0	16.4	9.5	3/8 S	1/4 S	6.8 - 15				1.9	44
M4WL-C025	AFB09C3E	24.0	16.4	9.5	3/8 S	1/4 S	6.7 - 15				1.9	44
M2WL-C033	AFE12C3E	24.0	16.4	9.5	3/8 S	1/4 S	7.0 - 15				1.9	44
M2WL-C040	AFT12C1E	24.0	16.4	9.5	3/8 S	1/4 S	7.1 - 15				1.9	44
M4WL-C033	AFE11C3E	24.0	16.4	9.5	3/8 S	1/4 S	8.0 - 15				1.9	44
FTWL-C050	RF18C2E	24.0	16.1	12.1	1/2 S	1/4 S	16.7 - 25	9.4 - 15			2.6	55
M4WL-C040	AFE13C3E	24.0	16.4	9.5	3/8 S	1/4 S	7.9 - 15				2.3	44
M4WL-C051	AFT18C1E	24.0	16.4	9.9	3/8 S	1/4 S	10.5 - 15				2.3	50
M4WL-C067	AFT26C1E	24.0	16.4	9.9	1/4 S	1/4 S	10.2 - 15				2.3	60
FJWL-C075	RS64C2E	24.0	16.1	11.6	5/8 S	3/8 S	19.7 - 30	12.0 - 20			5.5	100
FJWL-C103	CF04K6E	24.0	16.1	11.6	5/8 S	3/8 S		12.0 - 20	8.0 - 15		10.4	132
FJWL-C200	CF06K6E	24.0	16.4	15.0	7/8 S	3/8 S		14.8 - 25	9.3 - 15	5.4 - 15	10.4	140
FJWL-C301	CF09K6E	24.0	21.0	21.1	7/8 S	1/2 S		21.4 - 35	13.3 - 20	7.6 - 15	13.5	144
FJWL-C390	CF12K6E	25.0	21.0	21.1	7/8 S	1/2 S		25.6 - 45	15.4 - 25		16.8	150

S-Sweat

Note: Water Connections (Inlet/Outlet) 1/2 in.

Electrical Nomenclature (voltage-phase-hertz)

115-1-60	208/230-1-60	208/230-3-60	460-3-60
CAA/CFA	CAV/CFV	TFC	TFD
IAA	IAV		

Unit Feature -020 Bill of Material

Suction Connections		Liquid Connections		Electrical Connections		UL/UR
Suction Valve	Suction Accumulator	Base Valve	Receiver w/Valve	Power Cord	BX Conduit	
•			•		•	UL

Control Data -020 Bill of Material

Horsepower	Voltage	CC Heater	Dual Pressure Control	Contactor	115 V Control Circuit Transformer
1/4 -1/2	All	No	Yes	No	No
3/4	115 & 208/230 -1	No	Yes	No	No
1	115 & 208/230 -1	No	Yes	No	No
1	208/230 -3	No	Yes	Yes	No
1-1/4 & 1-1/2	208/230 -1	Yes	Yes	No	No
1-1/4 & 1-1/2	208/230 -3	Yes	Yes	Yes	No
2-5	208/230 -1	Yes	Yes	Yes	No
2-5	208/230 -3	Yes	Yes	Yes	No
2-5	460-3	Yes	Yes	Yes	Yes

* This data applies to units listed in this brochure only.
(1) Except units using “R” Compressor
(2) Except units using “CS or CF” Compressor

SystemPro™ Water-Cooled Condensing Units

Competitor Cross Reference

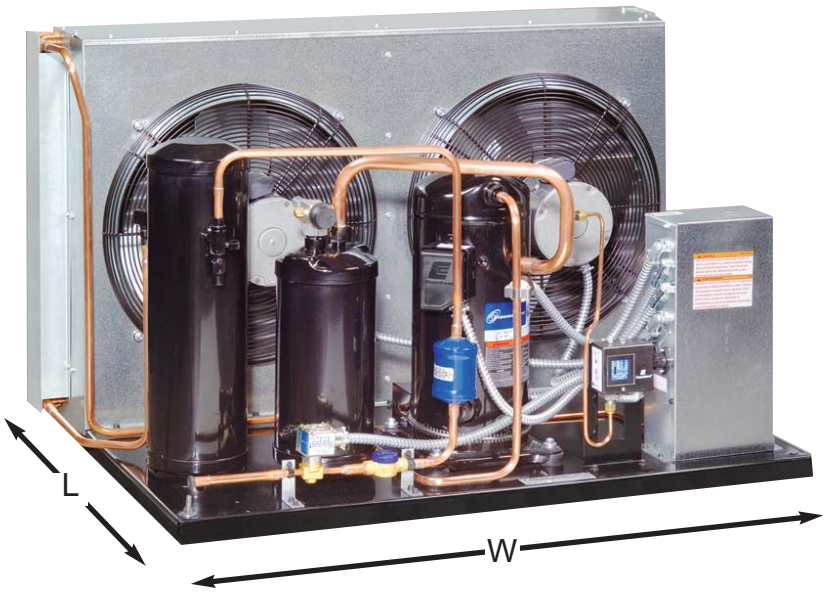
HIGH/MED TEMP							(BTUH @ 75°F Inlet Water Evaporator Temperature +25°F)			
Tecumseh Model	**Ref**	**HP**	**Copeland® Brand Model**	**Ref**	**HP**	**Volt**	**BTUH**	**L**	**W**	**H**
AEA9423EXAXW	R-22	1/3	MCWH-C027-IAA-020	R-22	1/4	115-1	2910	17.9	13.0	8.7
AJA7441AXAXW	R-12	1/2	M2WH-C056-IAA-020	R-134a	1/2	115-1	5140	17.9	12.8	9.8
AJA7441AXDXW	R-12	1/2	M2WH-C056-IAV-020	R-134a	1/2	208/230-1	5140	17.9	12.8	9.8
AKA9457EXAXW	R-22	1/2	MCWH-C049-CAA-020	R-22	1/2	115-1	4640	17.9	12.8	9.3
AKA9457EXDXW	R-22	1/2	MCWH-C049-CAV-020	R-22	1/2	208/230-1	4640	17.9	12.8	9.3
AKA9479EXDXW	R-22	3/4	F3WH-C078-IAV-020	R-22	3/4	208/230-1	6980	24.0	17.1	12.1
AJA7465AXAXW	R-12	3/4	FTWM-C075-IAA-020	R-134a	3/4	115-1	7850	24.0	16.1	11.8
AJB7465AXDXW	R-12	3/4	FTWH-C074-IAV-020	R-134a	3/4	208/230-1	6530	18.0	12.7	11.6
AHA7480AXDXW	R-12	1	FPWN-C225-CFV-020	R-134a	1 1/4	208/230-1	12500	24.0	16.8	15.0
AHA7480AXFXW	R-12	1	FPWN-C225-TFC-020	R-134a	1 1/4	208/230-3	12500	24.0	18.0	15.0
AJA9511EXDXW	R-22	1	F3WD-C151-CFV-020	R-22	1 1/2	208/230-1	13500	24.0	16.1	15.0
AHA7511AXFXW	R-12	1 1/2	FPWN-C300-TFC-020	R-134a	1 1/2	208/230-3	15900	24.0	16.9	15.0
AHB7511AXDXW	R-12	1 1/2	FPWN-C300-CFV-020	R-134a	1 1/2	208/230-1	15900	24.0	16.9	15.0
AWA7515ZXDXW	R-404A	2	FPWN-C150-CFV-020	R-404A	1 1/2	208/230-1	15500	24.0	16.2	17.0
AWA7515ZXTXW	R-404A	2	FPWN-C150-TFC-020	R-404A	1 1/2	208/230-3	15500	24.0	16.2	17.0
AHA7514AXDXW	R-12	2	FPWN-C325-CFV-020	R-134a	2	208/230-1	17800	26.2	21.0	15.5

LOW TEMP							(BTUH @ 75°F Inlet Water Evaporator Temperature -10°F)			
Tecumseh Model	**Ref**	**HP**	**Copeland® Brand Model**	**Ref**	**HP**	**Volt**	**BTUH**	**L**	**W**	**H**
AHA2435AXDXW	R-12	3/4	FJWL-C075-IAV-020	R-404A	3/4	208/230-1	4020	24.0	16.1	11.6
AHA2445AXDXW	R-12	1	FJWL-C103-CFV-020	R-404A	1	208/230-1	5550	24.0	16.1	11.6
AHA2466AXDXW	R-12	1 1/2	FJWL-C200-CFV-020	R-404A	2	208/230-1	9090	24.0	16.4	15.0
AWA2488ZXDXW	R-404A	2	FJWL-C200-CFV-020	R-404A	2	208/230-1	9090	24.8	16.4	15.0
AVA2512ZXNXW	R-404A	3	FJWL-C301-CFV-020	R-404A	3	208/230-1	13630	25.0	21.0	21.1

Capacity at 60 Hertz with 5° subcooling

Refrigerant Change Required

Use On Line Product Information (OPI) for detailed information on these items or the complete hermetic water-cooled product line.



Copeland Scroll® Air-Cooled Condensing Units

Capacity Data

HIGH/MED TEMP Model	BOM	Refrig.	H.P.	Capacity (BTU/Hr) at 90° Ambient - Evaporator Temp (0°F)						
				+10	+15	+20	+25	+30	+40	+45
FTAH-A13Z-CFV,TFC,TFD	072, 074	134a	1	8030	9030	10100	11200	12400	14900	16300
FTAH-A15Z-CFV, TFC, TFD	072, 074	134a	1 1/2	9350	10500	11800	13100	14500	17500	19000
FJAM-A15Z-CFV	172, 174	404A	1 1/2	9810	10800	11800	12900	14000	16400	17600
FTAH-A20Z-CFV,TFC,TFD	071, 073	134a	2	12000	13600	15200	17000	18800	22800	24900
FJAM-A20Z-CFV,TFC,TFD	071, 073	404A	2	13900	15200	16600	18100	19600	22900	24600
FTAH-A25Z-CFV,TFC,TFD	071, 073	134a	2 1/2	13700	15400	17200	19200	21300	25700	28000
FJAM-A25Z-CFV,TFC,TFD	071, 073	404A	2 1/2	17700	19400	21200	23200	25200	29500	31800
FTAH-A30Z-CFV,TFC,TFD	071, 073	134a	3	16300	18400	20600	23100	25600	31100	34000
FJAM-A30Z-CFV,TFC,TFD	071, 073	404A	3	20700	22600	24700	26900	29200	34000	36600
FTAH-A35Z-CFV,TFC,TFD	071, 073	134a	3 1/2	19800	22200	24900	27800	30800	37100	40500
FJAM-A35Z-CFV,TFC,TFD	071, 073	404A	3 1/2	23600	25700	28000	30500	33000	38300	41100
FTAH-A45Z-TFC,TFD	071, 073	134a	4 1/2	24900	28000	31400	35000	38800	47100	51500
FJAM-A40Z-CFV,TFC,TFD	071, 073	404A	4	28800	31800	34900	38200	41700	49200	53100
FTAH-A50Z-TFC,TFD	071, 073	134a	5	27400	30700	34200	38000	42000	50700	55500
FJAM-A50Z-CFV,TFC,TFD	071, 073	404A	5	34800	38400	42200	46100	50200	58800	63300
FJAM-A60Z-TFC. TFD	071, 073	404A	6	33100	40300	44100	48200	52400		
FPAN-070Z-TFC,TFD	071, 073	134a	7	28000	31400	35000	39000	43200	52500	57500
FPAN-070Z-TFC,TFD	071, 073	404A	7	47300	52100	57100	62400	67900	79700	85900
FPAN-080Z-TFC,TFD	071, 073	134a	8	31400	35200	39300	43600	48200	58100	63400
FPAN-080Z-TFC,TFD	071, 073	404A	8	52300	57600	63000	66200	74400	86300	92400
FPAN-091Z-TFC,TFD	071, 073	134a	9	36100	40400	45000	49900	55200	66400	72400
FPAN-091Z-TFC,TFD	071, 073	404A	9	59200	64700	70300	76300	82400	95300	102100
FPAN-101Z-TFC,TFD	071, 073	134a	10	40100	44800	49800	55200	60800	73000	79500
FPAN-101Z-TFC,TFD	071, 073	404A	10	68200	74100	80300	86800	93500	107500	114800
LOW TEMP Model	**BOM**	**Refrig.**	**H.P.**	**Capacity (BTU/Hr) at 90° Ambient - Evaporator Temp (0°F)**						
				-40	-35	-30	-25	-20	-10	0
DJAL-015Z-CFV,TFC,TFD	071, 073	404A	1 1/2	4750	5460	6220	7020	7080	9730	11800
DJAL-020Z-CFV,TFC,TFD	071, 073	404A	2	6040	6870	7770	8740	9780	12100	14600
DJAL-022Z-CFV,TFC,TFD	071, 073	404A	2+	6680	7580	8540	9560	10600	13000	15600
DJAL-026Z-CFV,TFC,TFD	071, 073	404A	2 1/2	8420	9580	10800	12200	13600	16800	20400
DJAL-030Z-CFV,TFC,TFD	071, 073	404A	3	9280	10600	12100	13600	15300	18900	22900
DJAL-041Z-CFV,TFC,TFD	071, 073	404A	4	12000	13700	15400	17300	19400	24000	29200
DJAL-051Z-TFC,TFD	071, 073	404A	5	14300	16300	18500	20700	23100	28400	34400
DJAL-060Z-TSC,TSD	071, 073	404A	6	17000	19400	22000	24700	27600	33900	40900

Capacities are at 60 Hertz with 65° return gas and 5°F subcooling.

Copeland Scroll® Air-Cooled Condensing Units

Capacity Data

Cap. (BTU/Hr) at 100° F Ambient - Evap Temp							Cap. (BTU/Hr) at 110° F Ambient - Evap Temp						
+10	**+15**	**+20**	**+25**	**+30**	**+40**	**+45**	**+10**	**+15**	**+20**	**+25**	**+30**	**+40**	**+45**
7500	8420	9400	10400	11500	13900	15200		7830	8710	9660	10700	12900	14100
8710	9810	11000	12200	13600	16400	17900		9070	10200	11400	12600	15300	16600
8850	9760	10700	11700	12700	14900	16100	7790	8630	9500	10400	11400		
11200	12700	14300	15900	17700	21500	23400		11800	13300	14800	16500	20100	21900
12700	13900	15200	16600	18000	21000	22600	11500	12600	13800	15000	16300	19100	20600
12700	14400	16100	18000	19900	24100	26300		11300	15000	16700	18600	22500	24600
16200	17800	19500	21300	23100	27100	29300	14700	16100	17700	19300	21000	24700	26700
15200	17200	19300	21600	24100	29300	32000		15900	18000	20100	22400	27400	30000
18900	20700	22600	24600	26700	31200	33600	17100	18700	20500	22300	24200	28400	30600
18400	20800	23300	26000	28800	34900	38000		19300	21600	24200	26900	32600	35500
21500	23500	25600	27800	30200	35100	37700	19400	21200	23100	25100	27300		
23200	26100	29300	32700	36300	44200	48300		24200	27100	30400	33800	41200	45100
26400	29200	32100	35100	38300	45200	48800	23900	26400	29100	31900	34800	41100	44500
25700	28800	32100	35700	39500	478800	52300		27000	30100	33500	37100	44900	49200
31700	35000	38500	42200	46000	54000	58200	28600	31600	34800	38100	41600	49000	52900
30200	36700	40300	44000	47900			27100	33100	36300	39700	43300		
26200	29400	32900	36600	40600	49300	54100		27500	30800	34300	38000	46200	50700
42800	47200	51900	56800	61900	72800	78600	38000	42100	46400	50900	55600	65700	71100
29500	33000	36800	40900	45200	54500	59500		30800	34300	38100	42100	50900	55600
46800	51600	56500	61600	66800	77500	83000	41000	45300	49700	54200	58900	68500	73400
33800	37800	42100	46800	51700	62300	67900		35200	39200	43600	48200	58100	63400
54200	59200	64400	69800	75400	87200	93400	49100	53600	58300	63200	68300		
34700	41900	46600	51700	57000	68400	74500		38900	43300	48100	53100	63800	69500
61900	67300	72800	78600	84500	97200	103700	55400	60100	65000	70100	75400		

Cap. (BTU/Hr) at 100° F Ambient - Evap Temp							Cap. (BTU/Hr) at 110° F Ambient - Evap Temp						
-40	**-35**	**-30**	**-25**	**-20**	**-10**	**0**	**-40**	**-35**	**-30**	**-25**	**-20**	**-10**	**0**
4310	5020	5760	6540	7340	9070	10900	3940	4650	5370	6110	6860	8450	10100
5490	6310	7180	8110	9090	11200	13500	4960	5760	6590	7460	8370	10300	12300
6210	7050	7940	8870	9860	12000	14400	5710	6490	7300	8150	9040	11000	13100
7710	8840	10000	11300	12700	15600	18900	7010	8100	9240	10400	11700	14400	17200
8530	9770	11100	12600	14100	17400	21100	7910	9030	10200	11500	12900	15900	19200
11200	12700	14400	16100	18000	22200	26900	10400	11700	13200	14800	16500	20300	22400
13500	15400	17300	19400	21600	26400	31800	12600	14300	16100	18000	20000	24300	29100
15900	18100	20500	23000	25700	31400	37700	14600	16700	18900	21200	23600	28700	34300

Capacities are at 60 Hertz with 65° return gas and 5°F subcooling.

Copeland Scroll® Air-Cooled Condensing Units

Physical Data

Model	Comp	Overall Dimensions (In)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size			Pump Down Capacity (lbs)	Ship Weight (lbs)
		L	W	H	Suction	Liquid	208/230-1	230-3	460-3		
FTAH-A13Z-CFV,TFC,TFD	ZB15KCE	24.0	18.3	16.3	7/8 S	3/8 S	21.0 - 35	12.5 - 20	7.9 - 15	10.4	135
FTAH-A15Z-CFV, TFC, TFD	ZB15KCE	24.0	18.3	16.3	7/8 S	3/8 S	21.0 -35	12.5 - 20	7.9 - 15	10.4	135
FJAM-A15Z-CFV	ZB11KCE	24.0	18.3	16.3	7/8 S	3/8 S	13.9 - 20			8.9	116
FTAH-A20Z-CFV,TFC,TFD	ZB21KCE	25.2	34.0	19.0	7/8 S	3/8 S	28.2 - 45	17.4 - 25	9.1 - 15	17.8	235
FJAM-A20Z-CFV,TFC,TFD	ZB15KCE	25.2	34.0	19.0	7/8 S	3/8 S	21.9 - 35	13.4 - 20	7.7 - 15	15.2	220
FTAH-A25Z-CFV,TFC,TFD	ZB26KCE	25.2	34.0	19.0	7/8 S	3/8 S	31.8 - 50	19.7 - 30	10.4 - 15	17.8	235
FJAM-A25Z-CFV,TFC,TFD	ZB19KCE	25.2	34.0	19.0	1-1/8 S	3/8 S	25.2 - 40	15.3 - 20	9.5 - 15	17.2	220
FTAH-A30Z-CFV,TFC,TFD	ZB30KCE	25.2	34.0	19.0	1-1/8 S	3/8 S	36.3 - 60	22.4 - 35	12.6 - 15	20.1	254
FJAM-A30Z-CFV,TFC,TFD	ZB21KCE	25.2	34.0	19.0	1-1/8 S	3/8 S	28.7 - 45	17.9 - 25	10.8 - 15	17.2	235
FTAH-A35Z-CFV,TFC,TFD	ZB38KCE	25.2	34.0	19.0	1-1/8 S	3/8 S	41.7 - 60	30.4 - 45	15.2 - 20	20.1	255
FJAM-A35Z-CFV,TFC,TFD	ZB26KCE	25.2	34.0	19.0	1-1/8 S	3/8 S	32.3 - 50	20.2 - 30	12.1 - 15	17.2	235
FTAH-A45Z-TFC,TFD	ZB45KCE	28.2	44.1	26.8	1-1/8 S	1/2 S		31.7 - 50	16.8 - 25	34.4	329
FJAM-A40Z-CFV,TFC,TFD	ZB30KCE	28.2	44.1	26.8	1-1/8 S	1/2 S	37.1 - 60	23.2 - 35	11.8 - 15	29.4	337
FTAH-A50Z-TFC,TFD	ZB50KCE	28.2	44.1	26.8	1-1/8 S	1/2 S		39.4 - 60	21.2 - 30	34.4	375
FJAM-A50Z-CFV,TFC,TFD	ZB38KCE	28.2	44.1	26.8	1-1/8 S	1/2 S	42.5 - 60	31.2 - 45	14.4 - 20	29.4	339
FJAM-A60Z-TFC,TFD	ZB45KCE	28.2	44.1	26.8	1-1/8 S	1/2 S		31.7 - 50	16.8 -	29.4	342
FPAN-070Z-TFC,TFD	ZB50KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		44.8 - 60	23.2 - 30	70.6	495
FPAN-070Z-TFC,TFD	ZB50KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		44.8 - 60	23.2 - 30	60.4	495
FPAN-080Z-TFC,TFD	ZB58KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		49.1 - 70	24.9 - 35	70.6	497
FPAN-080Z-TFC,TFD	ZB58KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		49.1 - 70	24.9 - 35	60.4	497
FPAN-091Z-TFC,TFD	ZB66KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		51.0 - 70	26.3 - 35	70.6	498
FPAN-091Z-TFC,TFD	ZB66KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		51.0 - 70	26.3 - 35	60.4	498
FPAN-101Z-TFC,TFD	ZB76KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		60.8 - 90	28.4 - 40	79.2	528
FPAN-101Z-TFC,TFD	ZB76KCE	28.5	44.0	36.8	1-3/8 S	5/8 S		60.8 - 90	28.4 - 40	67.8	528
DJAL-015Z-CFV,TFC,TFD	ZF06K4E	25.2	34.3	19.0	7/8 S	3/8 S	19.3 - 30	13.9 - 20	6.8 - 15	15.2	220
DJAL-020Z-CFV,TFC,TFD	ZF08K4E	25.2	34.3	19.0	7/8 S	3/8 S	22.8 - 35	14.4 - 20	7.7 - 15	15.2	222
DJAL-022Z-CFV,TFC,TFD	ZF09K4E	25.2	34.3	19.0	7/8 S	3/8 S	22.8 - 35	16.2 - 20	8.6 - 15	15.2	222
DJAL-026Z-CFV,TFC,TFD	ZF11K4E	25.2	34.3	19.0	1-1/8 S	3/8 S	28.7 - 45	19.8 - 30	121 - 15	17.2	235
DJAL-030Z-CFV,TFC,TFD	ZF13K4E	25.2	34.3	19.0	1-1/8 S	3/8 S	36.3 - 60	21.6 - 30	13.5 - 15	17.2	254
DJAL-041Z-CFV,TFC,TFD	ZF15K4E	28.2	44.1	26.8	1-1/8 S	1/2 S	43.4 - 70	30.4 - 45	14.4 - 20	29.4	339
DJAL-051Z-TFC,TFD	ZF18K4E	28.2	44.1	26.8	1-1/8 S	1/2 S		33.5 - 50	14.0 - 20	29.4	342
DJAL-060Z-TSC,TSD	ZF24K4E	28.2	44.1	26.8	1-1/8 S	1/2 S		41.1 - 60	22.0 - 35	29.4	476

Electric Nomenclature (voltage-phase-hertz)

208/230-1-60	208/230-3-60	460-3-60
CFV	TFC/TSC	TFD/TSD

BOM	Suction Valve*	Accumulator	Receiver	BX Conduit	Fan Guard	Discharge Line T'stat	High/Low Pressure Control	Time Delay Relay (1 Ø)	Filter Drier	Moisture Indicator	Liquid Solenoid Valve w/ Coil	Fan Cycle Control
-015	•	•	•	•	•	•	•	•				•
-020	•		•	•	•	•	•	•				•
-071	•	•	•	•	•	•	•	•	•	•		•
-072	•	•	•	•	•	•	•	•	•	•		
-073	•	•	•	•	•	•	•	•	•	•	•	•
-074	•	•	•	•	•	•	•	•	•	•	•	
-172	•	•	•	•	•	•	•	•	•	•		
-174	•	•	•		•	•	•	•	•	•	•	

* except 1.5 HP

BOM (bills of material) numbers apply only to the units listed in this section. All Models are UL Listed. UL/UR are registered trademarks of Underwriters Laboratories, Inc.

Sometimes, the quick fix isn't the WHOLE fix.

A compressor fails. The quick fix? Replace the compressor. But is that the right fix? What's the best long-term performance option for you – and your customer?

It may be replacing the entire condensing unit. Why? Because installing a new Copeland® SystemPro™ condensing unit helps assure the system will operate at it's peak performance for years to come...even in the toughest applications. And because, in the long run, a new condensing unit can prove to be the most cost-effective option available.

Copeland SystemPro units are built to fit any application. And they're easy to install. Repair or replace. It's your choice – and your reputation.

EMERSON Climate Technologies
AUTHORIZED FULL-LINE WHOLESALER

Copeland® + White-Rodgers® + Browning® + Flow Controls
HVACR Motors + Ventilation Products + Educational Services

EmersonClimateContractor.com/Full-Line

Copeland Copevap® Air-Cooled Condensing Units

Capacity Data

HIGH/MED TEMP Model	Bill of Material	Refrigerant	H.P.	Capacity (BTU/Hr) at 90° Ambient - Evaporator Temp (°F)							
				0	+10	+15	+20	+25	+30	+40	+45
M2EH-0026-IAA	**020,** 111	134a	1/4		1530	1700	1890	2080	2490	2710	2940
M2PH-0026-IAA	**020,** 111	134a	1/4		1530	1700	1890	2080	2490	2710	2940
MCEH-0027-IAA	111, 208, **212**	22	1/4		1910	2130	2360	2600	2850	3380	3660
MCPH-0027-IAA	111, 208, **212**	22	1/4		1910	2130	2360	2600	2850	3380	3660
M4EH-0025-IAA	111, 208, **212**	404A	1/4	1600	1890	2060	2230	2430	2620	3070	3270
M4PH-0025-IAA	111, 208, **212**	404A	1/4	1600	1890	2060	2230	2430	2620	3070	3270
M2EH-A033-IAA, IAV	111, 208, **212**	134a	1/3		1870	2110	2360	2620	2900	3500	3820
M2PH-A033-IAA, IAV	111, 208, 212	134a	1/3		1870	2110	2360	2620	2900	3500	3820
MCEH-0035-IAA	111, 208, **212**	22	1/3		2200	2450	2730	3020	3330	4000	4360
MCPH-0035-IAA	111, 208, **212**	22	1/3		2200	2450	2730	3020	3330	4000	4360
M4EH-A035-IAA, IAV	111, 208, 212	404A	1/3	1800	2280	2530	2800	3100	3430	4230	4710
M4PH-A035-IAA, IAV	111, 208, **212**	404A	1/3	1800	2280	2530	2800	3100	3430	4230	4710
M2EH-0047-IAA, IAV	111, 208, 212	134a	1/2		2400	2740	3100	3460	3830	4610	5030
M2PH-0047-IAA, IAV	111, 208, **212**	134a	1/2		2400	2740	3100	3460	3830	4610	5030
M2EM-0048-IAA	111, 208, **212**	134a	1/2		2600	3980	3370	3760			
MCEH-0048-CAA, CAV	111, 208, **212**	22	1/2		3020	3360	3720	4110	4520	5410	5880
M4EH-0049-CAA, CAV	111, 208, **212**	404A	1/2	2470	3020	3310	3620	3970	4350	5320	5940
FTEH-B075-IAA, IAV	208, **212**	134a	3/4		3920	4420	4950	5510	6130	7550	8350
F3EH-A078-IAA, IAV	208, **212**	22	3/4		4480	5120	5760	6450	7130	8660	9440
FJEF-B078-CAA, CAV	208, **212**	404A	3/4	3900	4970	5540	6130	6740			

LOW TEMP Model	Bill of Material	Refrigerant	H.P.	Capacity (BTU/Hr) at 90° Ambient - Evaporator Temp (°F)				
				-25	-20	-15	-10	0
M2PL-A025-IAA	111, 208, **212**	134a	1/4	720	820	940	1070	1370
M4PL-0025-IAA	**020,** 111	404A	1/4	610	710	810	920	1160
M2EL-B033-IAA	020, 111	134a	1/3	850	960	1090	1240	1590
M2PL-B033-IAA	**020,** 111	134a	1/3	850	960	1090	1240	1590
M2EL-0040-IAA	020, 111	134a	1/3	920	1120	1320	1540	2010
M2PL-0040-IAA	**020,** 111	134a	1/3	920	1120	1320	1540	2010
M4EL-0033-IAA	111, 208, **212**	404A	1/3	860	1040	1210	1390	1750
FTEL-A050-IAA, IAV	208, 212	134a	1/2	1280	1590	1910	2260	2980
M4EL-0039-IAA	111, 208, 212	404A	1/2	1290	1510	1740	1980	2500
M4PL-0039-IAA	111, 208, **212**	404A	1/2	1290	1510	1740	1980	2500
M4EL-0050-IAA	111, 208, 212	404A	1/2	1330	1590	1870	2170	2790
M4PL-0050-IAA	111, 208, **212**	404A	1/2	1330	1590	1870	2170	2790
FJEF-A075-CAA, IAV	208, **212**	404A	3/4	2120	2570	3040	3510	4470

BOMs Bolded **-** (115 Volt Only) In Stock

Capacity at 60 Hertz with 5° subcooling

NOTE: Check Physical Dimension Data. Models with "P" in the third digit are narrower.

HT models are rated at 65°F return gas temperature
LT& MT models are rated at 40°F return gas temperature

Copeland Copevap® Air-Cooled Condensing Units

Capacity Data

HIGH/MED TEMP	Capacity (BTU/Hr) at 100° Ambient - Evap Temp (°F)							Capacity (BTU/Hr) at 110° Ambient - Evap Temp (°F)						
0	**+10**	**+15**	**+20**	**+25**	**+30**	**+40**	**+45**	**+10**	**+15**	**+20**	**+25**	**+30**	**+40**	**+45**
	1400	1570	1710	1890	2080	2520	2710	1330	1470	1570	1740	1910	2100	
	1400	1570	1710	1890	2080	2520	2710	1330	1470	1570	1740	1910	2100	
	1710	1930	2150	2380	2610	3130	3400	1540	1750	1970	2180	2410		
	1710	1930	2150	2380	2610	3130	3400	1540	1750	1970	2180	2410		
1460	1700	1870	2030	2220	2400	2840	3030	1530	1690	1840	2020	2190		
1460	1700	1870	2030	2220	2400	2840	3030	1530	1690	1840	2020	2190		
	1690	1920	2150	2420	2670	3230	3490	1520	1740	1970	2220	2440	2720	
1690	1920	2150	2420	2670	3230	3490		1520	1740	1970	2220	2440	2720	
	1990	2230	2490	2770	3070	3710	4060	1830	2060	2310	2580	2870	3180	3510
	1990	2230	2490	2770	3070	3710	4060	1830	2060	2310	2580	2870	3180	3510
1570	2020	2250	2510	2800	3130	3930	4430	1790	2020	2270	2570	2900	3290	3750
1570	2020	2250	2510	2800	3130	3930	4430	1790	2020	2270	2570	2900	3290	3750
	2170	2490	2820	3160	3500	4250					2570	2890		
	2170	2490	2820	3160	3500	4250					2570	2890		
	2350	2710	3060	3420										
	2760	3080	3430	3810	4220	5110	5590	2520	2840	3190	3570	3970		
2190	2760	3050	3370	3730	4140			2580	290					
2550	3440	3900	4390	4910	5470	6790	7550	3050	3470	3910	4380	4900	5470	
	4020	4620	5220	5860	6510	7930	8670	3540	4100	4660	5270	5870	6520	7200
3380	4360	4870	5400	5950				3760	4220	4690				

LOW TEMP	Capacity (BTU/Hr) at 100° Ambient - Evap Temp (°F)					Capacity (BTU/Hr) at 110° Ambient - Evap Temp (°F)				
	-25	**-20**	**-15**	**-10**	**0**	**-25**	**-20**	**-15**	**-10**	**0**
	670	760	870	1000	1280		700	800	920	1190
	560	640	740	840	1050	500	570	660	750	930
	770	880	1000	1150	1480		800	920	1050	1360
	770	880	1000	1150	1480		800	920	1050	1360
	780	960	1150	1350	1810	600	780	970	1170	1630
	780	960	1150	1350	1810	600	780	970	1170	1630
	690	850	1010	1180	1530	520	670	830	990	1320
	1050	1340	1640	1970	2660				1700	2350
	1080	1280	1500	1720	2180	850	1050	1250	1470	1900
	1080	1280	1500	1720	2180	850	1050	1250	1470	1900
	1110	1340	1590	1860	2430	870	1080	1320	1570	2130
	1110	1340	1590	1860	2430	870	1080	1320	1570	2130
	1780	2210	2640	3070	3940		1850	2240	2640	3410

Capacity at 60 Hertz with 5° subcooling
HT models are rated at 65°F return gas temperature
LT& MT models are rated at 40°F return gas temperature

Copeland Copevap® Air-Cooled Condensing Units

Physical/Electrical Data

HIGH/MED TEMP Model	Compressor	Overall Dimensions (in.)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size		Pump Down Capacity (lbs)	Ship Weight (lbs)
		L	W	H	Suction	Liquid	115-1-60	230-1-60		
M2EH-0026-IAA	ARE27C3E-IAA	16.0	14.3	10.6	3/8 S	1/4 S	6.9 -15		2.3	41
M2PH-0026-IAA	ARE27C3E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	6.9 -15		2.3	41
MCEH-0027-IAA	ARE36C3-IAA	16.0	14.3	10.6	3/8 S	1/4 S	9.1-15		2.5	42
MCPH-0027-IAA	ARE36C3-IAA	19.9	11.1	10.6	3/8 S	1/4 S	9.1-15		2.5	42
M4EH-0025-IAA	ASE19C3E-IAA	16.0	14.3	10.6	3/8 S	1/4 S	7.3-15			36
M4PH-0025-IAA	ASE19C3E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	10.7-15		2.2	41
M2EH-A033-IAA, IAV	ARE37C3E-IA*	16.0	14.3	10.6	3/8 S	1/4 S	9.9 -15	4.9 -15	2.5	46
M2PH-A033-IAA, IAV	ARE37C3E-IA*	19.9	11.1	10.6	3/8 S	1/4 S	9.9 -15	4.9 -15	2.5	46
MCEH-0035-IAA	ARE43C3-IAA	16.2	15.1	11.8	3/8 S	1/4 S	9.8-15		2.9	47
MCPH-0035-IAA	ARE43C3-IAA	19.9	11.1	10.6	3/8 S	1/4 S	9.8-15		2.9	47
M4EH-A035-IAA, IAV	ASE24C3E-IA*	16.2	15.1	11.8	3/8 S	1/4 S	8.4-15	5.9-15	2.7	45
M4PH-A035-IAA, IAV	ASE24C3E-IA*	19.9	11.1	10.6	3/8 S	1/4 S	8.4-15	5.9-15	2.7	45
M2EH-0047-IAA, IAV	ART51C1E-IA*	16.2	15.1	11.8	3/8 S	1/4 S	12.5 -20	6.6 -15	2.9	50
M2PH-0047-IAA, IAV	ART51C1E-IA*	16.2	15.1	11.8	3/8 S	1/4 S	12.5 -20	6.6 -15	2.9	50
M2EM-0048-IAA	ART62C1E-IAA	16.2	15.1	11.8	3/8 S	1/4 S	14.6-20	7.4-15	3.7	55
MCEH-0048-CAA, CAV	ARE59C3-CA*	16.2	15.1	11.8	3/8 S	1/4 S	10.9-15	5.6-15	3.3	54
M4EH-0049-CAA, CAV	ASE32C3E-CA*	16.2	15.1	11.8	3/8 S	1/4 S	12.4-20	6.7-15	3.4	50
FTEH-B075-IAA, IAV	RR81C2E-IA*	24.0	16.8	13.7	5/8 RS	3/8 S	18.6-25	10.7-15	5.0	114
F3EH-A078-IAA, IAV	RS47C2-IA*	24.0	16.8	13.7	5/8 RS	3/8 S	19.9-30	10.1-15	6.1	102
FJEF-B078-CAA, CAV	RS55C2E-CA*	24.0	16.8	13.7	5/8 RS	3/8 S	18.5-25	8.8-15	7.2	96

LOW TEMP Model	Compressor	Overall Dimensions (in.)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size		Pump Down Capacity (lbs)	Ship Weight (lbs)
		L	W	H	Suction	Liquid	115-1-60	230-1-60		
M2PL-A025-IAA	AFE10C3E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	6.8-15			36
M4PL-0025-IAA	AFB09C3E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	6.7-15		2.2	40
M2EL-B033-IAA	AFE12C3E-IAA	16.0	14.3	10.6	3/8 S	1/4 S	7.0-15		2.5	47
M2PL-B033-IAA	AFE12C3E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	7.0-15		2.5	47
M2EL-0040-IAA	AFT12C1E-IAA	16.0	14.3	10.6	3/8 S	1/4 S	7.1-15		2.5	47
M2PL-0040-IAA	AFT12C1E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	7.1-15		2.5	47
M4EL-0033-IAA	AFE11C3E-IAA	16.0	14.3	10.6	3/8 S	1/4 S	8.0-15		2.2	41
FTEL-A050-IAA, IAV	RF18C2E-IA*	16.0	15.2	12.7	1/2 RS	1/4 S	17.0-25	9.8-15	3.6	64
M4EL-0039-IAA	AFE13C3E-IAA	16.2	15.1	11.8	3/8 S	1/4 S	7.9-15		2.5	47
M4PL-0039-IAA	AFE13C3E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	7.9-15		2.5	47
M4EL-0050-IAA	AFT18C1E-IAA	16.2	15.1	11.8	3/8 S	1/4 S	10.8-15		2.9	55
M4PL-0050-IAA	AFT18C1E-IAA	19.9	11.1	10.6	3/8 S	1/4 S	10.8-15		2.9	55
FJEF-A075-CAA, IAV	RS64C2E-CAA,IAV	20.8	16.8	13.7	5/8 RS	3/8 S	20.2-30	10.8-20	4.8	114

S - Sweat
RS - Rotalock Sweat

COPEVAP® UNIT FEATURES						
BOM	Suction Valve	Liquid Connections		BX Conduit	Fan Guard	UR/UL
		Base Valve	Receiver w/ Valve			
020	•		•	•	•	UL
111	•	•		**W/Powercord**		UR*
208	•	•		•	•	UR*
212	•		•	•	•	UR*

* These recognized models are identical to the UL listed models less pressure control. Need for the control is to be evaluated by the end use application.

Certified Copeland takes peace of mind to a WHOLE new level.

When is a replacement compressor truly as good as new? Only when it's a Certified Copeland® compressor. That's because only Certified Copeland compressors are remanufactured from the ground up – more than 500 parts replaced or upgraded.

Every Certified Copeland compressor has been UL approved. So you know they've been remanufactured to meet the same stringent standards as our new compressors. And every Certified Copeland compressor has been tested and retested for optimum reliability and performance.

That means unparalleled peace of mind for you – and your customers.

EMERSON Climate Technologies
AUTHORIZED FULL-LINE WHOLESALER

EmersonClimateContractor.com/Full-Line

Copeland® + White-Rodgers® + Browning® + Flow Controls
HVACR Motors + Ventilation Products + Educational Services

Copelametic® Air-Cooled Condensing Units

Nomenclature

To place an order determine:

(1) Model
(2) Voltage
(3) Bill of Material (BOM)

Example: C3AM-0101 -CAV -001
Model **voltage** **BOM**
1+2+3 = complete model number

Models and voltages that are in bold type will be available from stock at the Indiana distribution center. Lead time on all others will be five weeks from receipt of order. Normal lead time on the stock models will be one week unless requested on a rush basis.

C 3 A M - 0101 - CAV - 001

Product Line
C = Receiver Base
E = Flat Metal Base
D = Flat Base/ Dual Fan

Compressor Type
A = Conventional Copelametic® Compressor
D = Discus® Copelametic® Compressor

Nominal H.P.
(1 H.P. shown)

Electric Nomenclature (voltage - phase - 60 hertz					
115-1	230-1	208/230-1	208-230-3	460-3	575-3
IAA			TAC	TAD	
CAA	CAB	CAV	TFC	TFD	TFE

Refrigerant				
	R-12	R-22	R-404A	R-134a
B/7	•			
3/L/M		•		
8		•	•	
J			•	
N		•	•	•
P			•	•
T				•

Unit Features						
BOM	Connections			Head Pressure Control	Crank Case Heater	UL/UR
	Suction Valve	Liquid Receiver w/Valve	Electrical BX Conduit			
001	•	•	•			UL

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Application				
	R-12	R-22	R-404A	R-134a
H	High Temp Range (10 to 45° F)			
M	Medium Temp Range (0 to 25° F)			
L	Low Temp Range (-40 to 0° F)			
B	HT/MT			
G		LT	LT	HT
J		HT	MT	
K			LT	HT

Copelametic® Air-Cooled Condensing Units

Summary Data

MODEL	Compressor	H.P.	Fans	Refrigerant				
				R-12	R-22	R-404A	R-507*	R-134a
EBAM-A025-IAA	HAF*-0025	1/4	1	MT				
EBAM-A033-IAA	HAJ*-0033	1/3	1	MT				
E8AL-A033-IAA	HAF*-003E	1/3	1		LT	LT	LT	
E3AH-A050-CAA,CAV,TAC	HAG*-0050	1/2	1		HT			
E8AM-A050-CAV,TAC	HAJ*-005E	1/2	1		MT	MT	MT	
E8AL-A050-CAV	KAN*-005E	1/2	1		LT	LT	LT	
EJAL-A050-TAC	KAN*-006E	1/2	1			LT	LT	
ENAG-A050-IAA	KAN*-005E	1/2	1		LT	LT		HT
E3AM-A075-CAA,CAV,TAC	KAE*-0075	3/4	1		MT			
E8AJ-A075-CAV,TAC	KAN*-007E	3/4	1		HT	MT	MT	
E8AL-A075-CAA,TAC	KAM*-007E	3/4	1		LT	LT	LT 1	
C8AJ-0075-CAV,TAC	KAN*-007E	3/4	1		HT	MT	MT	
C8AL-0075-CAA,TAC	KAM*-007E	3/4	1		LT	LT	LT 1	
ENAG-A075-CAV	KAM*-007E	3/4	1		LT	LT		HT
CNAG-0075-CAV	KAM*-007E	3/4	1		LT	LT		HT
C7AB-0100-CAV,TAC,TAD	KAJ*-0100	1	1	HT				
CBAM-0103-CAV,TAC,TAD	KAK*-0100	1	1	MT				
C8AJ-0100-CAV,TAC,TAD	KAR*-010E	1	1		HT	MT	MT 2	
E8AJ-A100-CAV,TAC,TAD--	KAR*-010E	1	1		HT	MT	MT 2	
E3AM-A101-CAV, TAC, TAD	KAM*-0100	1	1		MT			
C3AM-0101-CAV,TAC,TAD	KAM*-0100	1	1		MT			
CNAG-0100-CAV,TAC	KAJ*-010E	1	1		LT	LT	LT 2	HT
ENAG-A100-CAV,TAC	KAJ*-010E	1	1		LT	LT	LT 2	HT
C7AB-0150-CAV,TAC,TAD	KAL*-0150	1 1/2	1	HT				
CBAM-0153-CAV,TAC,TAD	KAT*-0150	1 1/2	1	MT				
E3AH-A151-CAV,TAC,TAD	KAG*-0150	1 1/2	1		HT			
C3AH-0150-CAV,TAC,TAD	KAG*-0150	1 1/2	1		HT			
CLAL-0152-CAB	EAD*-0200	1 1/2	1		LT			
C8AL-0151-TAC	EAD*-020E	1 1/2	1		LT	LT	LT	
EJAL-A150-TAD	KAL*-016E	1 1/2	1			LT	LT	
CJAL-0152-TAD	KAL*-016E	1 1/2	1			LT	LT	
CJAL-0153-CAB	EAD*-021E	1 1/2	1			LT		
EPAK-A150-CAV,TAC	KAL*-015/6E	1 1/2	1			LT	LT	HT
CPAK-0150-CAV,TAC	KAL*-015/6E	1 1/2	1			LT	LT	HT
C7AB-0200-CAB,TAC,TAD	EAV*-0200	2	1	HT				
D8AJ-0200-CAV,TAC	KAK*-020E	2	2		HT	MT	MT	
D8AM-0201-TAC,TAD	ERC*-021E	2	2		MT	MT	MT	
C3AH-0204-TAD	KAK*-0200	2	1		HT			
C3AM-0202-CAB	ERC*-0200	2	1		MT			
C8AJ-0200-CAV,TAC	KAK*-020E	2	1		HT	MT	MT	
C8AM-0202-TAC,TAD	ERC*-021E	2	1		MT	MT	MT	
C8AL-0200-TAD	EAV*-021E	2	1		LT	LT	LT	
DNAG-0200-CAV,TAC	EAV*-021E	2	2		LT	LT	LT	HT
CNAG-0200-CAV,TAC	EAV*-021E	2	1		LT	LT	LT	HT
C7AB-0300-CAB,TAC,TAD	LAH*-0310	3	1	HT				
D8AJ-0300-TAC,TAD	ERF*-031E	3	2		HT	MT	MT	
D3AM-0303-CAB,TAC,TAD	3RA*-0310	3	2		MT			
C8AJ-0300-TAC,TAD	ERF*-031E	3	1		HT	MT	MT	
C3AH-0303-CAB	ERF*-0310	3	1		HT			
C3AM-0303-CAB,TAC,TAD	3RA*-0310	3	1		MT			
CLAL-0300-CAB,TAC,TAD	LAH*-0311	3	1		LT			
DLAL-0301-CAB,TAC,TAD	LAH*-0311	3	2		LT			
DJAL-0300-CAB,TAC,TAD	LAH*-032E	3	2			LT	LT 3	
CJAL-0300-CAB,TAC,TAD	LAH*-032E	3	1			LT	LT 3	
DTAH-0300-CAB	LAH*-031E	3	2					HT
CTAH-0300-CAB	LAH*-031E	3	1					HT
CPDK-0300-TFC,TFD,TFE	2DF*-030E	3	1			LT	LT	HT
CMDL-0400-TFC,TFD,TFE	2DL*-0400	4	1		LT			
CJDL-0400-TFC,TFD,TFE	2DL*-040E	4	1			LT	LT	
C8DJ-0500-TFC,TFD,TFE	2DC*-050E	5	1		HT	MT	MT	
C8DJ-0501-TFC,TFD,TFE	2DD*-050E	5	1		HT	MT	MT	
CPDK-0600-TFC,TFD,TFE	2DA*-060E	6	1			LT	LT	HT
CPDK-0601-TFC,TFD,TFE	3DA*-060E	6	1			LT	LT	HT
C8DJ-0750-TFC,TFD,TFE	2DA*-075E	7 1/2	1		HT	MT	MT	
CPDK-0750-TFC,TFD,TFE	3DB*-075E	7 1/2	1			LT	LT	HT
CPDK-0900-TFC,TFD,TFE	3DF*-090E	9	2			LT	LT	HT
C8DJ-1000-TFC,TFD,TFE	3DB*-100E	10	2		HT	MT	MT	
CPDK-1000-TFC,TFD,TFE	3DS*-100E	10	2			LT	LT	HT

Copelametic® Air-Cooled Condensing Units

Capacity Data

HIGH/MED TEMP Model	BOM	Refrig.	H.P.	BTU/Hr Capacity at 90° F Ambient Evaporator Temp (°F)									
				-5	0	+10	+15	+20	+25	+30	+35	+40	+45
EBAM-A025-IAA	001	R-12	1/4	790	940	1230	1390	1550	1740				
EBAM-A033-IAA	001	R-12	1/3	1240	1440	1830	2030	2240	2470				
E3AH-A050-CAA,CAV,TAC	001	R-22	1/2		2160	2720	3030	3370	3740	4120	4530	4960	5400
E8AM-A050-CAV,TAC	001	R-22	1/2	2250	2540	3230	3610	4000	4390				
E8AM-A050-CAV,TAC	001	R-404A	1/2	2430	2700	3410	3790	4170	4530				
ENAG-A050-IAA	001	R-134a	1/2		2050	2510	2800	3120	3480	3850	4240	4650	5050
C8AJ-0075-CAV,TAC	001	R-22	3/4		3410	4370	4910	5490	6110	6760	7460	8190	8960
E8AJ-A075-CAV,TAC	001	R-22	3/4		3420	4390	4950	5540	6170	6850	7560	8310	9100
E3AM-A075-CAA,CAV,TAC	001	R-22	3/4	3600	4100	5160	5750	6400	7120				
E8AJ-A075-CAV,TAC	001	R-404A	3/4	3150	3580	4620	5200	5800	6420				
C8AJ-0075-CAV,TAC	001	R-404A	3/4	3110	3530	4540	5100	5680	6290				
CNAG-0075-CAV	001	R-134a	3/4	2880	3310	4270	4800	5360	5950	6570	7210	7890	
ENAG-A075-CAV	001	R-134a	3/4	2880	3310	4290	4830	5390	5990	6620	7270	7960	
C7AB-0100-CAV,TAC,TAD	001	R-12	1		4400	5520	6150	6810	7520	8260	9040	9860	10710
CBAM-0103-CAV,TAC,TAD	001	R-12	1	4510	5040	6290	6980	7720	8500				
C8AJ-0100-CAV,TAC,TAD	001	R-22	1		4750	6020	6740	7510	8320	9170	10060	10980	11930
C3AM-0101-CAV,TAC,TAD	001	R-22	1		5520	7150	8040	8980	9970				
E8AJ-A100-CAV,TAC,TAD	001	R-22	1		4800	6080	6800	7560	8370	9210	10080	10980	11900
E3AM-A101-CAV,TAC,TAD	001	R-22	1		5610	7290	8190	9150	10170				
E8AJ-A100-CAV,TAC,TAD	001	R-404A	1	4770	5300	6600	7280	7940	8580				
C8AJ-0100-CAV,TAC,TAD	001	R-404A	1	4720	5240	6550	7240	7930	8580				
CNAG-0100-CAV,TAC	001	R-134a	1		4580	5770	6450	7170	7950	8770	9630	10540	11500
ENAG-A100-CAV,TAC	001	R-134a	1		4360	5470	6090	6750	7440	8170	8920	9700	10500
C7AB-0150-CAV,TAC,TAD	001	R-12	1 1/2		6160	7800	8720	9720	10780	11900	13080	14310	15580
CBAM-0153-CAV,TAC,TAD	001	R-12	1 1/2	6660	7590	9480	10460	11470	12510				
E3AH-A151-CAV,TAC,TAD	001	R-22	1 1/2		6110	7660	8600	9640	10770	11990	13280	14650	16080
C3AH-0150-CAV,**TAC,**TAD	001	R-22	1 1/2		6010	7510	8430	9450	10570	11770	13050	14410	15840
EPAK-A150-CAV,TAC	001	R-134a	1 1/2		6290	8020	8970	9990	11060	12190	13370	14590	15860
CPAK-0150-CAV,TAC	001	R-134a	1 1/2		6400	8180	9170	10230	11350	12540	13770	15060	16400
C7AB-0200-CAB,TAC,TAD	001	R-12	2		8860	11210	12460	13770	15140	16550	18010	19520	21060
D8AJ-0200-CAV,TAC	001	R-22	2		8080	11010	12480	13990	15570	17220	18970	20830	22830
D8AM-0201-TAC,TAD	001	R-22	2	8220	9410	12240	13860	15620	17510				
C8AJ-0200-CAV,TAC	001	R-22	2		7820	10600	11990	13410	14870	16400	18010	19690	21490
C3AH-0204-TAD	001	R-22	2		7820	10600	11990	13410	14870	16400	18010	19690	21490
C3AM-0202-CAB	001	R-22	2	8200	9380	12100	13660	15370	17240				
C8AM-0202-TAC,TAD	001	R-22	2	8200	9380	12160	13740	15450	17270				
D8AJ-0200-CAV,TAC	001	R-404A	2	8150	8950	11300	12620	13940	15170				
D8AM-0201-TAC,TAD	001	R-404A	2	9720	11060	13870	15360	16950	18680				
C8AJ-0200-CAV,TAC	001	R-404A	2	7800	8530	10700	11900	13070	14150				
C8AM-0202-TAC,TAD	001	R-404A	2	9670	10970	13730	15170	16700	18350				
DNAG-0200-CAV,TAC	001	R-134a	2		8370	11060	12530	14080	15740	17510	19390	21400	23530
CNAG-0200-CAV,TAC	001	R-134a	2		8060	10560	11900	13320	14820	16410	18100	19900	21820
C7AB-0300-CAB,TAC,TAD	001	R-12	3		14560	18180	20200	22370	24680	27130	29710	32420	35260
D8AJ-0300-TAC,TAD	001	R-22	3		14840	18890	21110	23480	26010	28690	31530	34530	37710
D3AM-0303-CAB,TAC,TAD	001	R-22	3	14880	17000	21720	24250	26920	29700				
C3AH-0303-CAB	001	R-22	3		14450	18720	21080	23590	26260	29090	32080	35240	38590
C8AJ-0300-TAC,TAD	001	R-22	3		14950	19030	21280	23690	26260	28990	31910	35000	38300
C3AM-0303-CAB,TAC,TAD	001	R-22	3	15000	17150	21940	24510	27230	30070				
D8AJ-0300-TAC,TAD	001	R-404A	3	14560	16380	20520	22780	25180	27740				
C8AJ-0300-TAC,TAD	001	R-404A	3	14620	16470	20720	23040	25540	28200				
DTAH-0300-CAB	001	R-134a	3		15090	18100	19940	21970	24170	26520	28990	31560	34190
CTAH-0300-CAB	001	R-134a	3		15210	18300	20190	22290	24560	27000	29570	32250	35030
CPDK-0300-TFC,TFD,TFE	001	R-134a	3		18920	24260	27180	30310	33630	37160	40920	44870	49080
C8DJ-0500-TFC,TFD,TFE	001	R-22	5			29160	32890	36820	40970	45360	49990	54840	59970
C8DJ-0501-TFC,TFD,TFE	001	R-22	5			33500	37620	41950	46500	51280	56290	61490	66970
C8DJ-0500-TFC,TFD,TFE	001	R-404A	5	21960	24680	31030	34520	38200	42050	46070	50230	54470	
C8DJ-0501-TFC,TFD,TFE	001	R-404A	5	26210	29260	36420	40330	44420	48670	53030	57490	61940	
CPDK-0600-TFC,TFD,TFE	001	R-134a	6		25170	32560	36690	41110	45840	50890	56260	61940	67970
CPDK-0601-TFC,TFD,TFE	001	R-134a	6		29840	38530	43290	48360	53740	59440	65490	71850	78580
C8DJ-0750-TFC,TFD,TFE	001	R-22	7 1/2			49900	56100	62440	69020	75840	82920	90210	97790
C8DJ-0750-TFC,TFD,TFE	001	R-404A	7 1/2	39970	44400	54330	59700	65330	71230	77380	83770	90290	
CPDK-0750-TFC,TFD,TFE	001	R-134a	7 1/2		34270	44200	49610	55350	61430	67870	74670	81800	89330
CPDK-0900-TFC,TFD,TFE	001	R-134a	9		42180	54770	61530	68680	76270	84350	92980	102150	111990
C8DJ-1000-TFC,TFD,TFE	001	R-22	10			76160	84310	92970	102160	111890	122170	132940	144320
C8DJ-1000-TFC,TFD,TFE	001	R-404A	10	57480	64030	78460	86250	94430	103000	111970	121330	130970	
CPDK-1000-TFC,TFD,TFE	001	R-134a	10		46010	59580	66910	74680	82950	91760	101170	111160	121860

Bold - Stock Item

Copelametic® Air-Cooled Condensing Units

Capacity Data

HIGH/MED TEMP BTU/Hr Capacity at 100° F Ambient Evaporator Temp (°F)									
-5	0	+10	+15	+20	+25	+30	+35	+40	+45
680	820	1090	1240	1400					
1100	1290	1670	1860						
	1980	2490	2790	3100	3430	3780	4150	4540	
2030	2300	2940	3300	3660	4030				
2130	2380	3020	3360	3700	4020				
	1910	2280	2540	2820	3140	3480	3830	4190	4570
	3110	4000	4500	5040	5610	6220	6860	7540	8240
	3120	4020	4530	5090	5670	6300	6960	7650	8380
3310	3750	4720	5260	5870	6550				
2740	3130	4080	4600	5140	5700				
2700	3080	4010	4510	5030	5570				
2620	3020	3900	4390	4900	5440	6010	6600	7220	
2620	3030	3920	4410	4930	5490	6070	6670	7300	
	4030	5050	5620	6230	6880	7560	8280	9040	9830
4110	4590	5730	6370	7050					
	4310	5500	6170	6890	7640	8840	9270	10140	
	5030	6540	7360	8230	9170				
	4360	5560	6230	6950	7710	8500	9320	10170	
	5110	6670	7570	8410	9360				
4260	4730	5900	6530	7140	7710				
4200	4660	5850	6490	7120	7720				
	4210	5310	5930	6600	7310	8060	8860	9700	10590
	3990	5020	5590	6200	6840	7510	8210	8930	9670
	5730	7230	8090	9000	9980	11010	12100	13250	14450
6450	7190	8650	9370	10090					
	5600	7020	7900	8880	9950	11110	12360	13670	15060
	5520	6890	7740	8700	9750	10900	12120	13440	14820
	5770	7380	8270	9220	10220	11280	12380	13530	14720
	5870	7540	8480	9470	10520	11620	12790	14000	15260
	8190	10330	11480	12670	13920	15200	16540	17910	
	7360	10210	11630	13070	14560	16120	17760	19500	21370
7490	8600	11220	12720	14340	16080				
	7110	9810	11140	12490	13860	15290	16780	18340	20010
	7110	9810	11140	12490	13860	15290	16780	18340	20010
7470	8540	11030	12470	14060	15820				
7470	8580	11160	12620	14190	15860				
7280	8000	10150	11350	12520	13580				
8580	9790	12350	13710	15160	16750				
6940	7600	9570	10660	11700	12630				
8540	9720	12250	13550	14950	16470				
	7580	10090	11450	12900	14440	16090	17860	19740	21750
	7300	9620	10870	12180	13570	15050	16630	18320	20110
	13460	16750	18610	20600	22720	24980	27370	29880	32520
	13570	17410	19520	21770	24150	26690	29370	32200	35210
13340	15290	19710	22130	24710	27420				
	13150	17140	19370	21760	24320	27060	29970	33050	36340
	13680	17530	19660	21930	24360	26940	29690	32610	35720
13460	15430	19900	22350	24980	27740				
12920	14590	18420	20490	22690	25020				
12960	14660	18580	20710	22990	25430				
	14000	16750	18450	20330	22370	24560	26860	29250	31720
	14110	16890	18620	20550	22660	24910	27300	29810	32400
	17420	22350	25060	27960	31050	34370	37900	41640	45640
		26580	30120	33850	32790	41950	46340	50940	55820
		30720	34630	38730	43030	47550	52280	57210	
19800	22260	28020	31190	34540	38050	41710	45500	49380	
23830	26550	32990	36510	40210	44040	47980	52000	56030	
	23370	30230	34060	38170	42570	47280	52290	57600	63260
	27480	35740	40240	45010	50060	55410	61080	67040	73370
		45960	51850	57920	64170	70630	77310	84150	91260
36280	40390	49520	54430	59560	64930	70520	76330	82280	
	31520	40950	46060	51450	57160	63200	69570	76260	83340
	38810	50710	57070	63780	70900	78500	86610	95260	104560
		71270	78970	87150	95810	104990	114670	124820	135560
52840	58890	72110	79200	86620	94380	102490	110950	119660	
	42430	55220	62110	69410	77180	85460	94330	103760	113900

HIGH/MED TEMP BTU/Hr Capacity at 110° F Ambient Evaporator Temp (°F)									
-5	0	+10	+15	+20	+25	+30	+35	+40	+45
570	690								
970	1170								
	1790	2260	2530	2820	3120				
1810	2060	2670	3000	3350	3690				
1840	2060	2630	2930	3230	3510				
	1720	2010	2230	2480	2750	3050			
	2800	3630	4090	4590	5110	5670	6260		
	2810	3650	4120	4630	5170	5740	6350	6990	3000
3400	4270	4770	5330	5960					
2340	2690	3540	4000	4480	4980				
2310	2640	3460	3910	4370	4850				
2360	2720	3520	3960	4420	4920	5430	5970		
2360	2720	3540	3990	4460	4960	5490	6040	6620	3650
4570	5090	5650	6240	6860					
3720	4150								
	3800	4990	5620	6290	7000				
	4570	5970	6730	7560	8440				
	3930	5060	5690	6360	7070				
	4630	6080	6870	7710	8610				
3720	4130	5190	5750	6310	6830				
3650	4030	5110	5690	6270	6820				
	3830	4840	5410	6020	6670	7360	8090	8860	9670
	3620	4560	5080	5630	6220	6830			
	5260	6620	7400	8230	9130				
5830	6290								
	5140	6440	7270	8190	9220	10330	11520		
	5080	6330	7130	8030	9040	10130			
	5210	6710	7540	8420	9360	10340	11360		
	5320	6870	7740	8660	9640	10680	11760	12900	7480
9420	10450	11520	12640						
	6640	9410	10770	12140	13540	14990	16520	18140	19870
6740	7790	10220	11600	13090	14680				
	6400	9010	10270	11530	12810				
	6400	9010	10270	11530	12810				
6720	7690	9970	11300	12780	14420				
6740	7780	10170	11520	12970	14500				
6420	7060	9010	10080	11110	12010				
7450	8540	10840	12060	13380	14830				
6090	6670	8460	9430	10350	11130				
7440	8500	10780	11950	13210	14600				
	6800	9120	10380	11710	13130	14660	16300	18060	6560
8730	9870	11070	12340						
	12320	15280	16950	18750	20680	22740	24930	27230	29660
	12300	15970	17970	20090	22330	24720	27250	29920	11730
13540	17680	20020	22520	25160					
	11870	15670	17810	20130	22630	25310	28190	31240	12410
16070	18080	20210	22500	24930	27520	30260	33200		
850	13660	17840	20210	22750	25440				
11280	12820	16310	18190	20180	22300				
11300	12850	16410	18340	20410	22620				
	12870	15340	16890	18610	20500	22520	24650	26890	12970
15470	17030	18790	20730	22810	25020	27340	29740		
	15830	20430	22970	25670	28570	31660			
		24070	27440	30990	34730	38670			
		28030	31730	35610	39670				
17680	19890	25100	27970	31000	34180	37510	40970	44510	21500
23880	29580	32710	36000	39430	42960				
	21430	27820	31390	35210	39310	43700	48380	53350	58660
	25010	32920	37180	41690	46440	51470	56800	62390	68330
		41760	47450	53270	59230	65340			
32610	36420	44820	49290	53960	58830	63910	69210		
	28650	37670	42500	47580	52930	58570	64540		
	35510	46820	52830	59160	65870	73020	80670	88830	97640
		66310	73560	81240	89390	98010	107110		
48100	53690	65760	72170	78860	85840	93140	100750	108610	
	38940	51040	57520	64380	71670	79460	87810	96710	106320

Copelametic® Air-Cooled Condensing Units

Physical Data

HIGH/MED TEMP		Oil Type	Overall Unit Dimensions (in.)			Connecting Lines		Minimum Circuit Ampacity					Pump Down Capacity (lbs)	Ship Weight (lbs)
Model	Compressor		L	W	H	Suction	Liquid	115-1	230-1	230-3	460-3	575-3		
EBAM-A025	HAF*-0025	MIN	19.5	14.8	11.5	1/2 F	1/4 F	5.8					2.0	100
EBAM-A033	HAJ*-0033	MIN	19.5	14.8	11.5	1/2 F	1/4 F	7.4					2.0	109
E3AH-A050	HAG*-0050	MIN	19.5	14.8	12.0	1/2 F	1/4 F	11.9	5.7	3.7			2.5	124
E8AM-A050	HAJ*-005E	POE	19.5	14.8	12.0	1/2 F	1/4 F		5.2	3.4			2.5	124
E8AM-A050	HAJ*-005E	POE	19.5	14.8	12.0	1/2 F	1/4 F		5.2	3.4			2.2	124
ENAG-A050	KAN*-005E	POE	19.5	16.3	12.0	1/2 F	1/4 F	10.6					2.5	124
C8AJ-0075	KAN*-007E	POE	33.5	20.0	19.0	5/8 F	3/8 F		7.9	4.9			20.0	190
E8AJ-A075	KAN*-007E	POE	24.0	17.9	13.6	5/8 F	3/8 F		7.9	4.9			6.2	160
E3AM-A075	KAE*-0075	MIN	24.0	17.9	13.6	5/8 F	3/8 F	15.6	7.9	5.4			6.2	160
E8AJ-A075	KAN*-007E	POE	24.0	17.9	13.6	5/8 F	3/8 F		7.9	4.9			5.4	160
C8AJ-0075	KAN*-007E	POE	33.5	20.0	19.0	5/8 F	3/8 F		7.9	4.9			17.2	190
CNAG-0075	KAM*-007E	POE	33.5	20.0	19.0	5/8 F	3/8 F		8.2				20.0	190
ENAG-A075	KAM*-007E	POE	24.0	17.9	12.0	5/8 F	3/8 F		8.2				6.2	160
C7AB-0100	KAJ*-0100	MIN	33.5	20.0	19.0	5/8 F	3/8 F		11.5	7.2	4.2		22.0	190
CBAM-0103	KAK*-0100	MIN	33.5	20.0	19.0	5/8 F	3/8 F		12.0	7.0	4.0		22.0	190
C8AJ-0100	KAR*-010E	POE	33.5	20.0	19.0	5/8 F	3/8 F		12.2	8.3	4.1		20.0	190
C3AM-0101	KAM*-0100	MIN	33.5	20.0	19.0	5/8 F	3/8 F		12.3	8.5	4.4		20.0	190
E8AJ-A100	KAR*-010E	POE	24.9	17.9	13.6	5/8 F	3/8 F		9.8	6.5	3.2		6.2	162
E3AM-A101	KAM*-0100	MIN	26.2	18.3	16.0	7/8 S	3/8 F		12.2	8.5	4.4		11.9	168
E8AJ-A100	KAR*-010E	POE	24.9	17.9	13.6	5/8 F	3/8 F		10.4	6.5	3.2		5.4	162
C8AJ-0100	KAR*-010E	POE	33.5	20.0	19.0	5/8 F	3/8 F		12.2	8.3	4.1		17.2	190
CNAG-0100	KAJ*-010E	POE	33.5	20.0	19.0	5/8 F	3/8 F		11.5	8.7			20.0	190
ENAG-A100	KAJ*-010E	POE	24.0	17.9	13.3	5/8 F	3/8 F		9.8	6.9			6.3	164
C7AB-0150	KAL*-0150	MIN	33.0	20.0	19.0	7/8 S	3/8 F		15.3	9.7	5.2		22.0	270
CBAM-0153	KAT*-0150	MIN	33.5	20.0	19.0	7/8 S	3/8 F		14.9	9.2	5.2		22.0	200
E3AH-A151	KAG*-0150	MIN	26.2	18.3	16.0	7/8 S	3/8 F		15.3	9.7	4.7		12.0	168
C3AH-0150	KAG*-0150	MIN	33.5	20.0	19.0	7/8 S	3/8 F		14.9	9.8	4.7		20.0	200
EPAK-A150	KAL*-015/6E	POE	26.2	18.3	16.0	7/8 S	3/8 F		15.3	11.2			12.0	169
CPAK-0150	KAL*-015/6E	POE	33.5	20.0	19.0	7/8 S	1/2 F		14.2	10.1			20.0	200
C7AB-0200	EAV*-0200	MIN	33.5	20.0	19.0	7/8 S	1/2 F		14.3	10.1	6.2		22.0	270
D8AJ-0200	KAK*-020E	POE	26.2	34.1	18.8	7/8 S	3/8 F		15.6	10.8			12.0	278
D8AM-0201	ERC*-021E	POE	26.2	34.1	18.8	7/8 S	3/8 F			13.3	5.9		12.0	354
C8AJ-0200	KAK*-020E	POE	33.5	20.0	19.0	7/8 S	1/2 F		16.2	11.4			20.0	260
C3AH-0204	KAK*-0200	MIN	33.5	20.0	19.0	7/8 S	1/2 F				5.4		20.0	260
C3AM-0202	ERC*-0200	MIN	33.5	20.0	19.0	7/8 S	1/2 F		15.4				20.0	270
C8AM-0202	ERC*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F			13.9	6.0		20.0	270
D8AJ-0200	KAK*-020E	POE	26.2	34.1	18.8	7/8 S	3/8 F		15.6	10.8			10.3	278
D8AM-0201	ERC*-021E	POE	26.2	34.1	18.8	7/8 S	3/8 F			13.3	5.9		10.3	354
C8AJ-0200	KAK*-020E	POE	33.5	20.0	19.0	7/8 S	1/2 F		16.2	11.4			17.2	260
C8AM-0202	ERC*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F			13.9	6.0		17.2	270
DNAG-0200	EAV*-021E	POE	26.2	34.1	18.8	7/8 S	3/8 F		20.7	11.6			12.0	337
CNAG-0200	EAV*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F		20.2	11.1			20.0	275
C7AB-0300	LAH*-0310	MIN	39.0	30.0	29.5	1 1/8 S	1/2 F		23.3	17.8	9.4		59.0	460
D8AJ-0300	ERF*-031E	POE	26.2	34.1	18.8	1 1/8 S	3/8 F			21.3	10.5		12.0	349
D3AM-0303	3RA*-0310	MIN	26.2	34.1	18.8	1 1/8 S	3/8 F		20.1	22.2	11.5		12.0	369
C3AH-0303	ERF*-0310	MIN	39.0	30.0	29.5	1 1/8 S	1/2 F		25.7				53.0	430
C8AJ-0300	ERF*-031E	POE	39.0	30.0	29.5	1 1/8 S	1/2 F			19.9	9.7		53.0	430
C3AM-0303	3RA*-0310	MIN	39.0	30.0	29.5	1 1/8 S	1/2 F		26.7	20.8	10.7		53.0	460
D8AJ-0300	ERF*-031E	POE	26.2	34.1	18.8	1 1/8 S	3/8 F			21.3	10.5		10.3	349
C8AJ-0300	ERF*-031E	POE	39.0	30.0	29.5	1 1/8 S	1/2 F			19.9	9.7		46.0	430
DTAH-0300	LAH*-031E	POE	26.2	34.1	18.8	1 1/8 S	3/8 F		26.6				12.0	380
CTAH-0300	LAH*-031E	POE	39.0	30.0	29.5	1 1/8 S	1/2 F		25.2				53.7	434
CPDK-0300	2DF*-030E	POE	39.0	30.0	29.5	1 3/8 S	1/2 F			25.4	12.5	10.3	53.7	540
C8DJ-0500	2DC*-050E	POE	39.0	30.0	29.5	1 3/8 S	5/8 F			32.3	15.4	11.5	53.0	540
C8DJ-0501	2DD*-050E	POE	39.0	30.0	29.5	1 3/8 S	5/8 F			32.3	15.5	11.8	53.0	540
C8DJ-0500	2DC*-050E	POE	39.0	30.0	29.5	1 3/8 S	5/8 F			32.3	15.4	11.5	46.0	540
C8DJ-0501	2DD*-050E	POE	39.0	30.0	29.5	1 3/8 S	5/8 F			32.3	15.5	11.8	46.0	540
CPDK-0600	2DA*-060E	POE	44.0	36.0	31.5	1 3/8 S	5/8 F			40.4	15.2	13.3	64.6	603
CPDK-0601	3DA*-060E	POE	44.0	36.0	31.5	1 3/8 S	5/8 F			42.3	19.5	15.0	64.6	630
C8DJ-0750	2DA*-075E	POE	44.0	36.0	31.0	1 3/8 S	5/8 F			45.7	20.6	18.5	64.0	620
C8DJ-0750	2DA*-075E	POE	44.0	36.0	31.0	1 3/8 S	5/8 F			45.7	20.6	18.5	55.4	620
CPDK-0750	3DB*-075E	POE	44.0	36.0	31.5	1 3/8 S	5/8 F			43.8	22.5	15.7	64.6	670
CPDK-0900	3DF*-090E	POE	39.0	66.0	36.0	1 3/8 S	7/8 S			57.2	25.7	24.4	81.0	935
C8DJ-1000	3DB*-100E	POE	39.0	66.0	36.0	1 3/8 S	7/8 S			63.3	29.6	24.4	80.0	940
C8DJ-1000	3DB*-100E	POE	39.0	66.0	36.0	1 3/8 S	7/8 S			63.3	29.6	24.4	69.4	940
CPDK-1000	3DS*-100E	POE	39.0	66.0	36.0	1 3/8 S	7/8 S			61.3	27.9	24.8	81.0	940

Copelametic® Air-Cooled Condensing Units

Capacity Data

LOW TEMP Model	BOM	Refrig	H.P.	BTU/Hr Capacity at 90° F Ambient Evaporator Temp (°F)								
				-40	-35	-30	-25	-20	-15	-10	-5	0
E8AL-A033-IAA	001	R-22	1/3	350	500	660	810	980	1150	1330	1520	1720
E8AL-A033-IAA	001	R-404A	1/3	530	680	810	950	1120	1320	1570	1870	2240
ENAG-A050-IAA	001	R-22	1/2	720	910	1140	1400	1680	1990	2320	2660	3010
E8AL-A050-CAV	001	R-22	1/2	720	910	1140	1400	1680	1990	2320	2660	3010
ENAG-A050-IAA	001	R-404A	1/2	820	1030	1260	1520	1810	2110	2420	2750	3050
E8AL-A050-CAV	001	R-404A	1/2	820	1030	1260	1520	1810	2110	2420	2750	3050
EJAL-A050-TAC	001	R-404A	1/2	750	950	1180	1430	1700	1990	2290	2610	2930
ENAG-A075-CAV	001	R-22	3/4	1680	2010	2390	2810	3280	3780	4310	4870	5450
E8AL-A075-CAA,TAC	001	R-22	3/4	1480	1820	2190	2600	3040	3510	4030	4570	5150
CNAG-0075-CAV	001	R-22	3/4	1690	2020	2390	2800	3260	3760	4280	4830	5400
C8AL-0075-CAA,TAC	001	R-22	3/4	1490	1830	2200	2600	3030	3500	4000	4540	5100
ENAG-A075-CAV	001	R-404A	3/4	1920	2160	2500	2910	3390	3910	4470	5040	5590
E8AL-A075-CAA,TAC	001	R-404A	3/4	1590	1930	2310	2740	3200	3690	4210	4750	5280
CNAG-0075-CAV	001	R-404A	3/4	1910	2150	2480	2890	3360	3870	4410	4970	5500
C8AL-0075-CAA,TAC	001	R-404A	3/4	1580	1920	2300	2710	3170	3650	4150	4680	5180
ENAG-A100-CAV,TAC	001	R-22	1	2130	2560	3030	3530	4080	4670	5310	6000	6740
CNAG-0100-CAV,TAC	001	R-22	1	2240	2690	3170	3690	4260	4890	5570	6310	7110
ENAG-A100-CAV,TAC	001	R-404A	1	2410	2850	3340	3860	4420	5020	5650	6310	6990
CNAG-0100-CAV,TAC	001	R-404A	1	2470	2940	3450	4010	4610	5260	5960	6700	7430
CLAL-0152-CAB	001	R-22	1 1/2	3110	3870	4690	5580	6550	7580	8700	9900	11170
C8AL-0151-TAC	001	R-22	1 1/2	3410	4170	5000	5890	6850	7890	9000	10190	11440
EPAK-A150-CAV,TAC	001	R-404A	1 1/2	3340	4120	4890	5660	6450	7270	8110	9010	9880
EJAL-A150-TAD	001	R-404A	1 1/2	3340	4120	4890	5660	6450	7270	8110	9010	9880
CPAK-0150-CAV,TAC	001	R-404A	1 1/2	3650	4340	5090	5880	6740	7660	8620	9650	10680
CJAL-0152-TAD	001	R-404A	1 1/2	3420	4220	5020	5830	6660	7520	8420	9380	10350
CJAL-0153-CAB	001	R-404A	1 1/2	3920	4640	5460	6360	7370	8450	9620	10870	12130
C8AL-0151-TAC	001	R-404A	1 1/2	3800	4630	5490	6400	7370	8420	9540	10760	12010
DNAG-0200-CAV,TAC	001	R-22	2	4270	5030	5960	7040	8280	9650	11140	12740	14420
CNAG-0200-CAV,TAC	001	R-22	2	4200	4930	5810	6830	7980	9240	10600	12050	13530
C8AL-0200-TAD	001	R-22	2	4110	4700	5540	6570	7750	9050	10430	11840	13240
DNAG-0200-CAV,TAC	001	R-404A	2	4820	5710	6700	7800	8990	10270	11620	13040	14460
CNAG-0200-CAV,TAC	001	R-404A	2	4590	5440	6390	7430	8540	9720	10940	12210	13410
C8AL-0200-TAD	001	R-404A	2	4130	4950	5910	6990	8180	9440	10760	12120	13420
DLAL-0301-CAB,TAC,TAD	001	R-22	3	5830	6980	8490	10300	12360	14610	17010	19480	21960
CLAL-0300-CAB,TAC,TAD	001	R-22	3	5860	7020	8530	10350	12430	14700	17120	19630	22150
DJAL-0300-CAB,TAC,TAD	001	R-404A	3	6340	7950	9730	11670	13760	15980	18300	20710	23070
CJAL-0300-CAB,**TAC**,TAD	001	R-404A	3	6330	7950	9750	11710	13840	16100	18470	20950	23380
CPDK-0300-TFC,TFD,TFE	001	R-404A	3	10300	12220	14310	16560	18970	21530	24250	27130	29960
CMDL-0400-TFC,TFD,TFE	001	R-22	4	9610	11650	13980	16590	19450	22530	25840	29350	32970
CJDL-0400-TFC,TFD,TFE	001	R-404A	4	12860	15180	17670	20340	23190	26210	29430	32830	36260
CPDK-0600-TFC,TFD,TFE	001	R-404A	6	15780	18550	21510	24660	28030	31630	35500	39620	43920
CPDK-0601-TFC,TFD,TFE	001	R-404A	6	19050	22090	25440	29090	33040	37270	41780	46550	51440
CPDK-0750-TFC,TFD,TFE	001	R-404A	7 1/2	22250	25920	29820	33990	38430	43140	48160	53480	58950
CPDK-0900-TFC,TFD,TFE	001	R-404A	9	27780	32310	37260	42650	48470	54730	61450	68620	76120
CPDK-1000-TFC,TFD,TFE	001	R-404A	10	31490	36530	42000	47890	54180	60830	67880	75280	82860

Bold - Stock Item

HT models are rated at 65° F return gas temperature
LT & MT models are rated at 40° F return gas temperature

Copelametic® Air-Cooled Condensing Units

Capacity Data

LOW TEMP BTU/Hr Capacity at 100° F Ambient Evaporator Temp (°F)								
-40	-35	-30	-25	-20	-15	-10	-5	0
210	370	530	680	840	1000	1170	1340	1520
420	560	690	810	960	1150	1370	1660	2010
540	730	950	1200	1480	1770	2070	2390	2710
540	730	950	1200	1480	1770	2070	2390	2710
630	820	1040	1280	1530	1800	2080	2360	2620
630	820	1040	1280	1530	1800	2080	2360	2620
560	740	940	1170	1410	1670	1950	2250	2530
1510	1820	2180	2570	3000	3460	3960	4470	4990
1260	1590	1940	2320	2740	3180	3660	4170	4710
1520	1830	2180	2570	2990	3450	3930	4430	4950
1280	1600	1950	2320	2730	3170	3640	4140	4670
1630	1850	2170	2550	3000	3480	3990	4520	5000
1300	1620	1980	2370	2800	3250	3720	4220	4690
1610	1840	2140	2520	2960	3430	3930	4440	4900
1290	1610	1960	2350	2770	3210	3670	4150	4600
1900	2310	2750	3220	3740	4290	4880	5520	6200
2030	2450	2900	3390	3920	4500	5130	5820	6560
2050	2460	2890	3360	3870	4410	4990	5590	6200
2100	2520	2990	3490	4040	4620	5260	5930	6600
2680	3380	4130	4960	5850	6820	7860	9000	10200
3000	3700	4460	5280	6170	7130	8160	9270	10440
2690	3460	4210	4940	5680	6430	7200	8000	8780
2690	3460	4210	4940	5680	6430	7200	8000	8780
3110	3770	4470	5220	6010	6860	7750	8680	9620
2760	3560	4330	5100	5880	6670	7490	8360	9230
3310	3930	4650	5460	6360	7340	8420	9570	10740
3140	3940	4750	5590	6490	7450	8470	9580	10700
3870	4570	5420	6410	7550	8800	10160	11610	13130
3800	4460	5260	6180	7230	8360	9580	10870	12170
3720	4250	5000	5930	7010	8190	9430	10710	11960
3850	4780	5770	6840	7980	9170	10410	11690	12950
3610	4500	5460	6480	7550	8650	9790	10940	12020
3580	4300	5160	6140	7210	8360	9560	10800	11970
5260	6330	7740	9420	11330	13400	15590	17830	20040
5320	6400	7810	9500	11420	13500	15710	17980	20220
4960	6520	8230	10060	12020	14070	16200	18400	20520
4930	6510	8230	10090	12070	14160	16340	18600	20760
8780	10680	12690	14830	17090	19460	21960	24570	27110
8350	10230	12390	14820	17490	20370	23470	26770	30190
11240	13440	15770	18260	20910	23700	26660	29790	32940
13910	16560	19350	22300	25430	28760	32310	36100	40030
16960	19920	23120	26580	30280	34200	38370	42750	47220
19870	23470	27230	31190	35360	39740	44370	49250	54240
25070	29430	34130	39200	44650	50460	56680	63290	70180
28180	33010	38200	43750	49630	55820	62360	69200	76190

LOW TEMP BTU/Hr Capacity at 110° F Ambient Evaporator Temp (°F)								
-40	-35	-30	-25	-20	-15	-10	-5	0
	230	400	550	710	860	1020	1180	1340
320	450	560	680	810	980	1180	1450	
370	560	780	1020	1280	1550	1840		
370	560	780	1020	1280	1550	1840		
440	610	800	1010	1230	1460	1700		
440	610	800	1010	1230	1460	1700		
380	540	710	910	1130	1360	1610		
1310	1610	1940	2300	2700	3120	3570	4030	
1040	1350	1690	2050	2440	2850	3300	3780	
1320	1610	1940	2300	2690	3110	3540		
1060	1360	1690	2050	2430	2840	3280	3750	
1250	1460	1760	2110	2520	2960	3420	3890	
1000	1300	1640	2000	2390	2800	3230	3670	4090
1230	1440	1730	2080	2470	2900	3350	3800	
990	1290	1620	1980	2360	2760	3170	3600	
1670	2060	2470	2910	3380	3880	4430		
1790	2190	2620	3070	3570	4100	4680	5320	6000
1710	2060	2450	2870	3320	3800	4320		
1750	2120	2530	2970	3450	3970	4540	5140	5730
2230	2880	3580	4350	5190	6100	7090	8160	
2600	3230	3920	4680	5500	6380	7340		
1960	2720	3450	4150	4850	5550	6250		
1960	2720	3450	4150	4850	5550	6250		
2500	3130	3790	4490	5230	6000	6810	7660	
2000	2810	3580	4320	5060	5790	6540	7330	
2910	3420	4020	4710	5500	6380	7350		
2480	3240	4000	4770	5590	6450	7370		
3370	4000	4770	5660	6680	7800	9020	10330	
3300	3890	4590	5400	6320	7310			
3200	3650	4320	5150	6110	7160			
2760	3750	4770	5840	6940	8070	9220	10390	11500
2550	3490	4470	5490	6540	7590			
3220	3820	4560	5410	6360	7370			
4490	5480	6760	8290	10020	11880	13830	15810	
4610	5590	6880	8410	10140	12010	13970	15970	
3530	5060	6700	8430	10260	12150	14100	16090	
3480	5020	6680	8430	10280	12200	14190	16230	18150
7090	8970	10930	12970	15090	17290	19580		
7020	8740	10740	12990	15480	18160	21070		
9590	11670	13850	16170	18610	21170	23890		
11970	14510	17160	19920	22830	25890	29150	32610	36180
14470	17370	20470	23760	27250	30900	34740	38770	
17260	20840	24510	28310	32260	36340	40630		
22230	26430	30910	35690	40770	46160	51890	57970	64270
24770	29420	34370	39610	45140	50910	56980	63310	69740

Copelametic® Air-Cooled Condensing Units

Physical Data

LOW TEMP		Oil Type	Overall Unit Dimensions (in.)			Connecting Lines		Minimum Circuit Ampacity					Pump Down Capacity (lbs)	Ship Weight (lbs)
Model	Compressor		L	W	H	Suction	Liquid	115-1	230-1	230-3	460-3	575-3		
E8AL-A033	HAF*-003E	POE	19.5	16.3	12.0	1/2 F	1/4 F	7.4					2.5	109
E8AL-A033	HAF*-003E	POE	19.5	16.3	12.0	1/2 F	1/4 F	7.4					2.2	109
ENAG-A050	KAN*-005E	POE	19.5	16.3	12.0	1/2 F	1/4 F	10.6					2.5	124
E8AL-A050	KAN*-005E	POE	19.5	16.3	12.0	1/2 F	1/4 F		5.1				2.5	124
ENAG-A050	KAN*-005E	POE	19.5	16.3	12.0	1/2 F	1/4 F	10.6					2.2	124
E8AL-A050	KAN*-005E	POE	19.5	16.3	12.0	1/2 F	1/4 F		5.1				2.2	124
EJAL-A050	KAN*-006E	POE	19.5	16.3	12.0	1/2 F	1/4 F			3.5			2.2	124
ENAG-A075	KAM*-007E	POE	24.0	17.9	13.3	5/8 F	3/8 F		8.2				6.2	160
E8AL-A075	KAM*-007E	POE	24.0	17.9	13.3	5/8 F	3/8 F	15.6		5.2			6.2	160
CNAG-0075	KAM*-007E	POE	33.5	20.0	19.0	5/8 F	3/8 F		8.2				20.0	190
C8AL-0075	KAM*-007E	POE	33.5	20.0	19.0	5/8 F	3/8 F	15.6		5.2			20.0	190
ENAG-A075	KAM*-007E	POE	24.0	17.9	13.3	5/8 F	3/8 F		8.2				5.4	160
E8AL-A075	KAM*-007E	POE	24.0	17.9	13.3	5/8 F	3/8 F	15.6		5.2			5.4	160
CNAG-0075	KAM*-007E	POE	33.5	20.0	19.0	5/8 F	3/8 F		8.2				17.2	190
C8AL-0075	KAM*-007E	POE	33.5	20.0	19.0	5/8 F	3/8 F	15.6		5.2			17.2	190
ENAG-A100	KAJ*-010E	POE	24.0	17.9	13.3	5/8 F	3/8 F		9.8	6.9			6.2	164
CNAG-0100	KAJ*-010E	POE	33.5	20.0	19.0	5/8 F	3/8 F		11.5	8.7			20.0	190
ENAG-A100	KAJ*-010E	POE	24.0	17.9	13.3	5/8 F	3/8 F		9.8	6.9			5.4	164
CNAG-0100	KAJ*-010E	POE	33.5	20.0	19.0	5/8 F	3/8 F		11.5	8.7			17.2	190
CLAL-0152	EAD*-0200	MIN	33.5	20.0	19.0	7/8 S	1/2 F		12.3				20.0	265
C8AL-0151	EAD*-020E	POE	33.5	20.0	19.0	7/8 S	1/2 F			10.3			20.0	265
EPAK-A150	KAL*-015/6E	POE	26.2	18.3	16.0	7/8 S	3/8 F		15.3	11.2			10.3	169
EJAL-A150	KAL*-016E	POE	26.2	18.3	16.0	7/8 S	3/8 F				5.9		10.3	169
CPAK-0150	KAL*-015/6E	POE	33.5	20.0	19.0	7/8 S	1/2 F		14.2	10.1			17.2	200
CJAL-0152	KAL*-016E	POE	33.5	20.0	19.0	7/8 S	1/2 F				5.5		17.2	200
CJAL-0153	EAD*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F		14.3				17.2	272
C8AL-0151	EAD*-020E	POE	33.5	20.0	19.0	7/8 S	1/2 F			10.3			17.2	265
DNAG-0200	EAV*-021E	POE	26.2	34.1	18.8	7/8 S	3/8 F		20.7	11.6			12.0	337
CNAG-0200	EAV*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F		20.2	11.1			20.0	275
C8AL-0200	EAV*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F				6.1		20.0	260
DNAG-0200	EAV*-021E	POE	26.2	34.1	18.8	7/8 S	3/8 F		20.7	11.6			10.3	337
CNAG-0200	EAV*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F		20.2	11.1			17.2	275
C8AL-0200	EAV*-021E	POE	33.5	20.0	19.0	7/8 S	1/2 F				6.1		17.2	260
DLAL-0301	LAH*-0311	MIN	26.2	34.1	18.8	1-1/8 S	3/8 F		26.6	19.2	9.7		12.0	380
CLAL-0300	LAH*-0311	MIN	39.0	30.0	29.5	1-1/8 S	1/2 F		25.2	17.8	8.9		53.0	465
DJAL-0300	LAH*-032E	POE	26.2	34.1	18.8	1-1/8 S	3/8 F		26.7	21.8	10.7		10.3	380
CJAL-0300	LAH*-032E	POE	39.0	30.0	29.5	1-1/8 S	1/2 F		25.3	20.3	9.9		46.0	460
CPDK-0300	2DF*-030E	POE	39.0	30.0	29.5	1-3/8 S	1/2 F		25.4	12.5	10.3		46.0	540
CMDL-0400	2DL*-0400	MIN	39.0	30.0	29.5	1-3/8 S	5/8 F			37.3	15.2	11.5	53.0	555
CJDL-0400	2DL*-040E	POE	39.0	30.0	29.5	1-3/8 S	5/8 F			37.3	15.2	11.5	46.0	550
CPDK-0600	2DA*-060E	POE	44.0	36.0	31.5	1-3/8 S	5/8 F			40.4	15.2	13.3	55.4	603
CPDK-0601	3DA*-060E	POE	44.0	36.0	31.5	1-3/8 S	5/8 F			42.3	19.5	15.1	55.4	630
CPDK-0750	3DB*-075E	POE	44.0	36.0	31.5	1-3/8 S	5/8 F			43.8	22.5	15.7	55.4	670
CPDK-0900	3DF*-090E	POE	39.0	66.0	36.0	1-3/8 S	7/8 S			57.2	25.7	24.4	69.4	935
CPDK-1000	3DS*-100E	POE	39.0	66.0	36.0	1-3/8 S	7/8 S			61.3	27.9	24.8	69.4	940

S - Sweat
F - Flare

Copelametic® Air-Cooled Condensing Units

Control Data

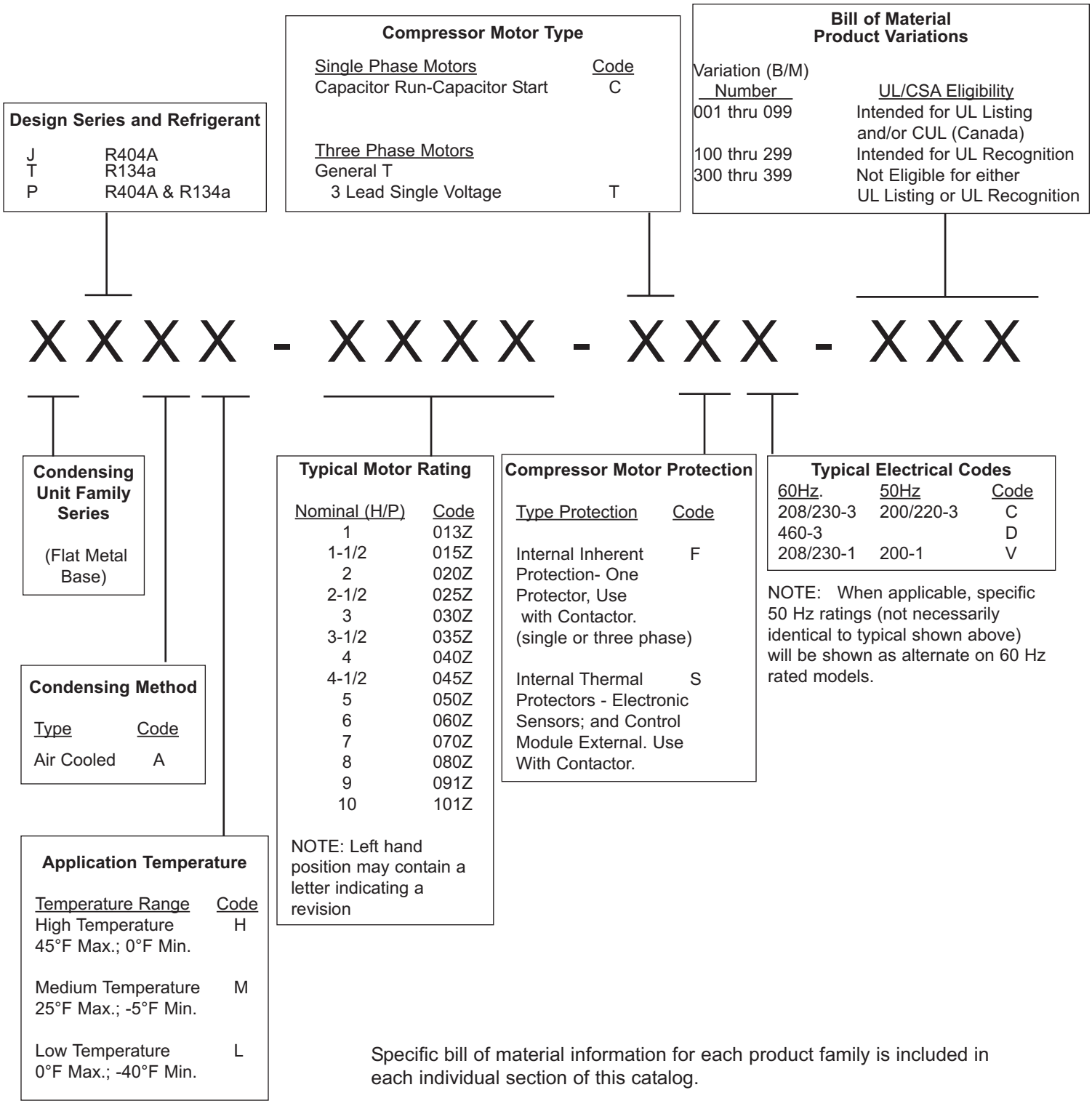
- ***Condensing Units for multiple applications***
- ***Long term reliability***
- ***System serviceability***
- ***Available from your Emerson Climate Technologies, Inc. Wholesalers***

Control Data

Unit	Horsepower	Voltage	Bill of Material	Low Pressure Control	High/Low Pressure Control	Contactor	115 Volt Control Circuit Transformer
E	1/4 - 1/3	All	001	No	No	No	No
E	1/2 - 1	115-1, 208/230-1	001	Yes	No	No	No
E	1 1/2 - 2	115-1, 208/230-1	001		Yes	No	No
E	1/2 -1	208/230-3	001		Yes	Yes	No
E	1/2 -1	460-3	001		Yes	Yes	Yes
D	2 - 3	208/230-1	001		Yes	No	No
D	2 - 3	208/230-3	001		Yes	Yes	No
D	2 - 3	460-3	001		Yes	Yes	Yes
C	3/4 - 3	208/230-1	001		Yes	No	No
C	3/4 - 10	208/230-3	001		Yes	Yes	No
C	3 - 10	460-3, 575-3	001		Yes	Yes	Yes

Nomenclature Information

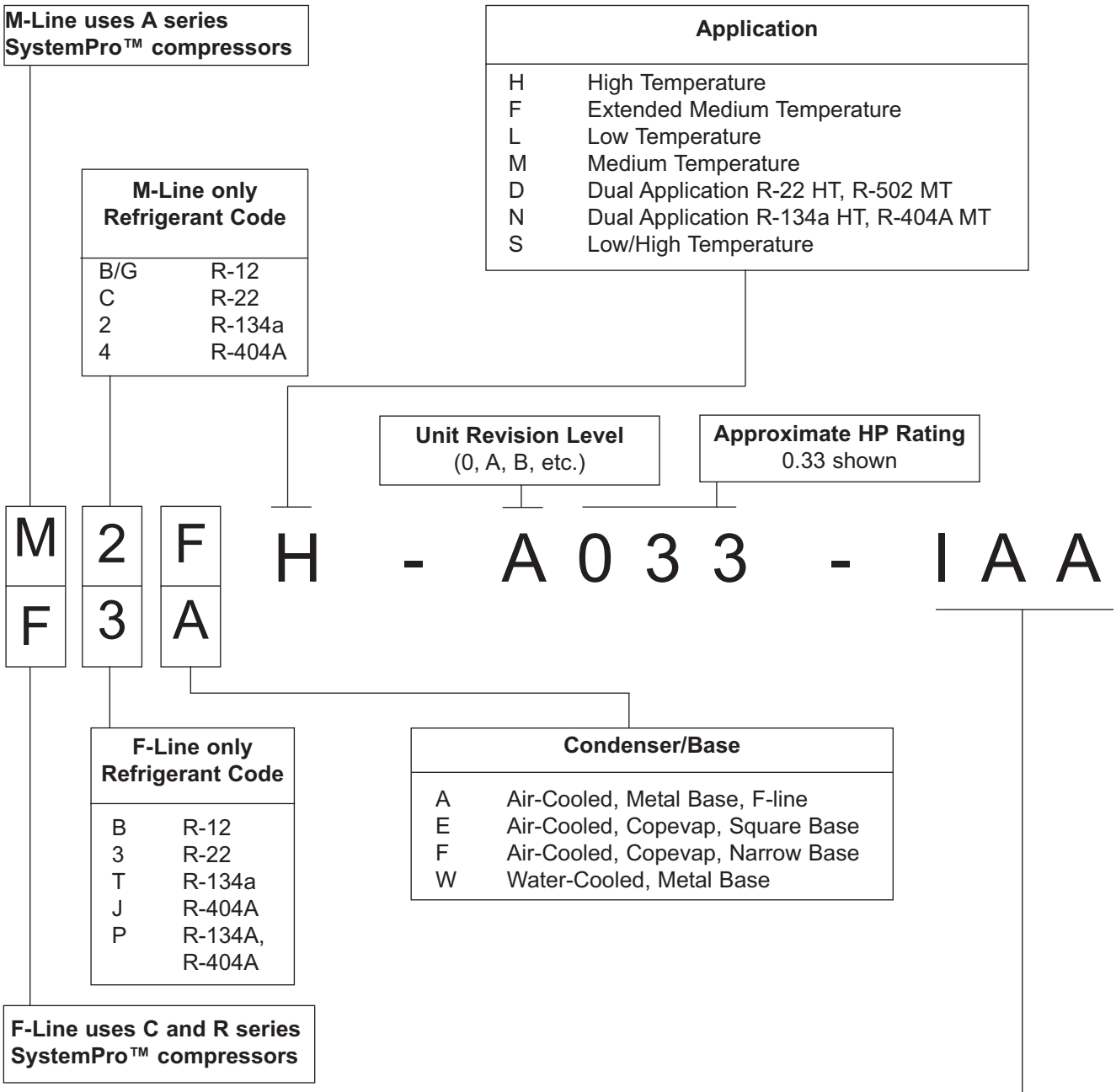
Copeland Scroll® Condensing Unit Model Nomenclature



Specific bill of material information for each product family is included in each individual section of this catalog.

Nomenclature Information

SystemPro™ Condensing Unit Nomenclature



Single Phase Voltage Code: (voltage-phase-Hertz)		
115-1-60	208/230-1-60	
CAA, CFA	CAV, CFV	Capacitor Run-Capacitor Start (High Starting Torque)
IAA	IAV	Induction Run-Capacitor Start (High Starting Torque)
SAA		Induction Run-Split Phase (Low Starting Torque)
Three Phase Voltage Code: (voltage-phase-Hertz)		
208/230-3-60	460-3-60	
TFC	TFD	

Remember: Your WHOLE business rests on protecting your reputation.

Building a better business takes a strong reputation. And strengthening your reputation means protecting your customers' refrigeration systems from moisture and harmful contaminants. That's why Emerson Climate Technologies offers a whole package that includes:

+ The Hermetic Moisture Indicator (HMI) that begins detecting moisture at 3% relative humidity
+ The EK Filter Drier that offers the industry's best combination of moisture and acid removal, and filters contaminants as small as 20 microns
+ Solenoid valves that prevent external leakage at twice the industry standards

EMERSON Climate Technologies
AUTHORIZED FULL-LINE WHOLESALER

Copeland® + White-Rodgers® + Browning® + Flow Controls
HVACR Motors + Ventilation Products + Educational Services

EmersonClimateContractor.com/Full-Line

EK Filter Drier

The straight facts about EK

The EK Filter Drier is a best-in-class Emerson Climate Technologies™ product. This document is designed to accurately address questions and misconceptions about EK Filter Drier performance.

1. Sporlan implies that the fiberglass pads on the EK Filter Drier are burnt during the manufacturing process and that this "condition" affects its performance.

When heated, the fiberglass pads turn amber to dark brown in color. This discoloration is due to additional curing of the phenolic resin used to bind the fiberglass filters together. The curing process does not harm or shrink the fibers, but in fact, increases their strength. In no way does it adversely affect the performance of the EK.

2. It's a common industry misconception that all bead-style filter driers are more susceptible to desiccant breakdown than molded-core or block-style filter driers.

The EK *compacted* bead-style filter drier uses a compression spring on the inlet side that works with refrigerant flow to maintain desiccant compaction. The spring force acts in the same manner as the binding agent in molded cores. With this proven design, the attrition of desiccant is essentially reduced to zero.

The EK is the only Copeland-recommended filter drier for use with HFC refrigerants.

Source: Copeland Bulletin AE-1297-R3

3. Sporlan claims its Catch-All has "unexcelled" acid removal ability compared to the EK.

Actually, this statement is true but somewhat vague. The Catch-All desiccant blend is rich in activated alumina, which does an effective job of acid removal but also acts to strip additives from POE lubricants. The EK design has a maximum activated alumina content of 25 percent, which meets Copeland recommendations and is designed to provide best overall system protection performance. In fact, our in-house testing shows that Sporlan has recently changed their desiccant blend to more closely match the EK and Copeland's recommendation.

4. Many contractors have been led to believe that since the EK contains more fiberglass than a molded-core type filter, it has less moisture-removal capability.

Moisture removal is based on a number of design considerations, the most important of which is the total surface area of the desiccant. Comparing the molded-core "size" or "weight" to that of the EK is meaningless. In fact, the molded-core filter drier uses a binding agent that reduces the effective surface area of the desiccant. The only true comparison is the published data per ARI Standard 710, which shows the moisture removal capacity of each product. See Table 1.

EMERSON
Climate Technologies

A-Series Thermal Expansion Valve

Stable and Accurate Control for Foodservice Installations

When it comes to protecting food there's no such thing as cutting corners on quality. You need solutions you can count on, especially when it comes to the refrigeration equipment that you service.

Foodservice operators depend on their refrigerators and freezers to be up and running, every hour of every day - even in the toughest foodservice environments.

We know you need to provide unsurpassed reliability that can keep food at just the right temperature, the kind of reliability that can also help lower maintenance costs. This is exactly the kind of reliability that comes with the Emerson Climate Technologies A-Series Thermal Expansion Valve.

Feature	Benefit
Hermetic construction	Eliminates leakage
Stainless steel power element	Minimizes corrosion
Fine setpoint adjustment threads	Easy to calibrate superheat
Compact design	Easy installation
Fast pull-down time	Improves food safety and quality
Full range of charges	One valve for all applications and refrigerants
Permanent 80 mesh inlet screens	Prevents contaminants from clogging valve
Internal check valve option	Eliminates the need for external check valves

EMERSON
Climate Technologies

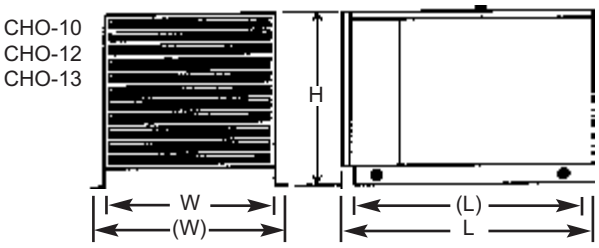
TXV Superheat Adjustment

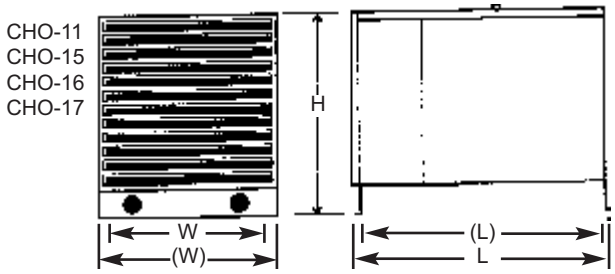
		Degrees Per Turn				
Valve	**"Total Turns"**	**"R22+20"**	**"R22-20"**	**"R134A+20"**	**"R404/507+20"**	**"R404/507-20"**
TCLE	32	0.8	1.5	1.0	0.5	1.0
HF	10	2.2	4.2	3.8	1.8	3.2
A	8	3.0	5.0	4.5	2.0	4.0
TRAE	10	2.2	4.2	3.8	1.8	3.2

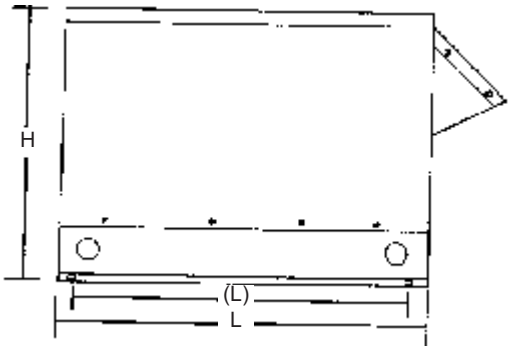
Note: To revert to approximate original factory setting, turn adjustment counterclockwise until the spring is completely unloaded. Then, turn the adjustment nut back in 1/2 the "Total Turns" shown on the chart.

Hoods

HOOD SPECIFICATION DATA							
Emerson Climate Technologies, Inc. Part No.		External Dimensions (in.)			Internal Dimensions (in.)		
UL Listed For Outdoor Use	MFG Part No.	L	W	H	L	W	H
005-0882-00	CHO-10	27.0	20.0	20.0	26.0	20.0	16.0
005-0882-01	CHO-11	29.5	37.0	27.5	28.5	37.0	22.5
005-0882-02	CHO-12	27.0	24.5	22.0	26.0	24.5	18.0
005-0882-03	CHO-13	35.5	24.0	25.0	34.5	24.0	21.0
005-0882-04	CHO-15	33.5	48.5	35.5	32.5	48.5	30.5
005-0882-05	CHO-16	46.5	38.0	38.0	45.5	38.0	33.0
005-0882-06	CHO-17	42.5	74.0	48.5	41.5	74.0	40.5
Economy Hoods							
005-0882-09	ECON-01	26.0	20.0	20.0	26.0	20.0	16.0
005-0882-10	ECON-02	26.0	24.5	22.0	26.0	24.5	18.0
005-0882-11	ECON-03	28.5	37.0	26.5	28.0	37.0	22.5
005-0882-12	ECON-04	24.5	24.0	25.0	24.5	24.0	21.0







Hoods

Supplemental Information - Hood Selection					
Copeland® Brand Unit Model	Dimensions (in.)			Copeland® Brand Hood	
	L	W	H	UL Listed	Economy
SystemPro™ Air-Cooled					
M2FH-0017	13.8	11.8	9.7	005-0882-00	005-0882-09
M2FH-0056	17.4	14.4	11.8	005-0882-00	005-0882-09
M4FH-0025	13.8	11.8	9.7	005-0882-00	005-0882-09
M4FH-A036	16.1	12.7	11.8	005-0882-00	005-0882-09
M2FL-0020	13.8	11.1	9.7	005-0882-00	005-0882-09
M2FL-A025	13.8	11.8	9.7	005-0882-00	005-0882-09
M2FL-B033	16.2	12.4	9.7	005-0882-00	005-0882-09
M4FL-0040	16.2	13.1	11.8	005-0882-00	005-0882-09
M4FL-0051	17.4	13.1	11.8	005-0882-00	005-0882-09
M4FL-0067	18.1	14.4	11.8	005-0882-00	005-0882-09
MMFH-0022	13.8	11.4	9.7	005-0882-00	005-0882-09
MBFH-0049	16.2	13.1	11.8	005-0882-00	005-0882-09
MBFH-0050	17.9	13.1	11.8	005-0882-00	005-0882-09
FBAM-B050	24.0	16.9	12.9	005-0882-00	005-0882-09
FJAF-A056	17.5	14.3	12.1	005-0882-00	005-0882-09
FJAF-A075	24.0	16.9	13.1	005-0882-00	005-0882-09
FJAL-A101	24.0	16.9	13.1	005-0882-00	005-0882-09
FJAL-B200	24.0	19.5	16.3	005-0882-02	005-0882-10
FJAL-B301	25.2	34.1	19.0	005-0882-01	005-0882-11
FJAL-A390	25.2	34.1	19.0	005-0882-01	005-0882-11
FJAM-A106	24.0	18.3	16.2	005-0882-00	005-0882-09
FJAM-A200	25.2	34.1	18.9	005-0882-01	005-0882-11
FJAM-B400	28.2	44.1	26.9	005-0882-04	N/A
FTAH-B074	17.4	14.4	11.8	005-0882-00	005-0882-09
FTAH-A101	24.0	16.8	15.9	005-0882-00	005-0882-09
FTAH-A150	24.0	18.4	16.3	005-0882-02	005-0882-10
FTAH-A201	25.2	34.0	18.9	005-0882-01	005-0882-11
FTAL-A050	16.0	13.3	11.9	005-0882-00	005-0882-09
F3AD-B151	24.1	18.3	16.9	005-0882-02	005-0882-10
F3AD-B201	25.0	34.0	19.0	005-0882-01	005-0882-11
F3AD-A501	28.6	44.1	26.9	005-0882-04	N/A
F3AH-A078	24.0	16.9	13.1	005-0882-00	005-0882-09
F3AH-A100	24.0	16.9	13.1	005-0882-00	005-0882-09
Copelametic®					
E3AH-A050	19.5	14.8	12.0	005-0882-00	005-0882-09
E3AM-A075	24.0	17.9	13.6	005-0882-00	005-0882-09
E8AJ-A075	24.0	17.9	13.6	005-0882-00	005-0882-09
E8AL-A050	19.5	16.3	12.0	005-0882-00	005-0882-09
E8AL-A075	24.0	17.9	13.3	005-0882-00	005-0882-09
E8AM-A050	19.5	14.8	12.0	005-0882-00	005-0882-09
ENAG-A050	19.5	16.3	12.0	005-0882-00	005-0882-09
ENAG-A075	24.0	17.9	12.0	005-0882-00	005-0882-09
CBAM-0103	33.5	20.0	19.0	005-0882-03	N/A
C3AM-0101	33.5	20.0	19.0	005-0882-03	N/A
C8AJ-0100	33.5	20.0	19.0	005-0882-03	N/A
C8AJ-0200	33.5	20.0	19.0	005-0882-03	N/A
ENAG-A100	24.0	17.9	13.3	005-0882-00	005-0882-09
E3AM-A101	26.2	18.3	16.0	005-0882-01	005-0882-11
CPAK-0150	33.5	20.0	19.0	005-0882-03	N/A
C3AH-0150	33.5	20.0	19.0	005-0882-03	N/A

Hoods

Supplemental Information - Hood Selection					
Copeland® Brand Unit Model	Dimensions (in.)			Copeland® Brand Hood	
	L	W	H	UL Listed	Economy
Copelametic® (cont.)					
C3AM-0303	39.0	30.0	29.5	005-0882-05	N/A
C7AB-0150	33.0	20.0	19.0	005-0882-03	N/A
C7AB-0200	33.5	20.0	19.0	005-0882-03	N/A
C7AB-0300	39.0	30.0	29.5	005-0882-05	N/A
C8AL-0151	33.5	20.0	19.0	005-0882-03	N/A
C8AL-0200	33.5	20.0	19.0	005-0882-03	N/A
CNAG-0200	33.5	20.0	19.0	005-0882-03	N/A
C8AJ-0300	39.0	30.0	29.5	005-0882-05	N/A
C8AM-0202	33.5	20.0	19.0	005-0882-03	N/A
CJAL-0300	39.0	30.0	29.5	005-0882-05	N/A
CLAL-0300	39.0	30.0	29.5	005-0882-05	N/A
CPDK-0300	39.0	30.0	29.5	005-0882-05	N/A
CPDK-0600	44.0	36.0	31.5	005-0882-05	N/A
CPDK-0750	44.0	36.0	31.5	005-0882-05	N/A
CJDL-0400	39.0	30.0	29.5	005-0882-05	N/A
CMDL-0400	39.0	30.0	29.5	005-0882-05	N/A
C8DJ-0500	39.0	30.0	29.5	005-0882-05	N/A
C8DJ-0501	39.0	30.0	29.5	005-0882-05	N/A
C8DJ-0750	44.0	36.0	31.5	005-0882-05	N/A
C8DJ-1000	39.0	66.0	36.0	005-0882-06	N/A
Copeland Scroll®					
FTAH-A13Z	24.0	18.3	16.3	005-0882-01	005-0882-10
FJAM-A15Z	24.0	18.3	16.3	005-0882-01	005-0882-10
FTAH-A15Z	24.0	18.3	16.3	005-0882-01	005-0882-10
FJAM-A20Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FJAM-A25Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FJAM-A30Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FJAM-A35Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FJAM-A40Z	28.2	44.1	26.8	005-0882-04	N/A
FJAM-A50Z	28.2	44.1	26.8	005-0882-04	N/A
FJAM-A60Z	28.2	44.1	26.8	005-0882-04	N/A
FTAH-A20Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FTAH-A25Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FTAH-A30Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FTAH-A35Z	25.2	34.0	19.0	005-0882-01	005-0882-11
FTAH-A40Z	28.2	44.1	26.8	005-0882-04	N/A
FTAH-A50Z	28.2	44.1	26.8	005-0882-04	N/A
FPAN-070Z	28.5	44.0	36.8	005-0882-04	N/A
FPAN-080Z	28.5	44.0	36.8	005-0882-04	N/A
FPAN-091Z	28.5	44.0	36.8	005-0882-04	N/A
FPAN-101Z	28.5	44.0	36.8	005-0882-04	N/A
DJAL-015Z	25.2	34.3	19.0	005-0882-01	005-0882-11
DJAL-020Z	25.2	34.3	19.0	005-0882-01	005-0882-11
DJAL-022Z	25.2	34.3	19.0	005-0882-01	005-0882-11
DJAL-026Z	25.2	34.3	19.0	005-0882-01	005-0882-11
DJAL-030Z	25.2	34.3	19.0	005-0882-01	005-0882-11
DJAL-041Z	28.2	44.1	26.8	005-0882-04	N/A
DJAL-051Z	28.2	44.1	26.8	005-0882-04	N/A
DJAL-060Z	28.2	44.1	26.8	005-0882-04	N/A

Hoods

Supplemental Information - Hood Selection					
Copeland® Brand Unit Model	Dimensions (in.)			Copeland® Brand Hood	
	L	W	H	UL Listed	Economy
Water-Cooled					
M2WH-C026	17.9	13.0	8.7	005-0882-00	005-0882-09
M2WL-C025	24.0	16.4	9.5	005-0882-00	005-0882-09
M2WL-C033	24.0	16.4	9.5	005-0882-00	005-0882-09
M4WH-C036	17.9	12.8	9.0	005-0882-00	005-0882-09
M4WH-C050	17.9	12.8	9.3	005-0882-00	005-0882-09
M4WL-C051	24.0	16.4	9.9	005-0882-00	005-0882-09
MCWH-C036	17.9	12.8	8.8	005-0882-00	005-0882-09
MCWH-C056	17.9	13.3	9.8	005-0882-00	005-0882-09
FJWM-C056	17.9	13.2	11.2	005-0882-00	005-0882-09
F3WH-C078	24.0	17.1	12.1	005-0882-00	005-0882-09
F3WM-C105	24.0	17.3	12.8	005-0882-00	005-0882-09
FJWL-C103	24.0	16.1	11.6	005-0882-00	005-0882-09
FJWL-C301	24.0	21.0	21.1	005-0882-01	005-0882-11
FJWL-C390	25.0	21.0	21.1	005-0882-01	005-0882-11
FJWM-C400	26.2	21.0	21.0	005-0882-01	005-0882-11
FPWN-C150	24.0	16.2	17.0	005-0882-02	005-0882-10
FPWN-C225	24.0	16.8	15.0	005-0882-02	005-0882-10
FPWN-C300	24.0	16.9	15.0	005-0882-02	005-0882-10
FPWN-C325	26.2	21.0	15.5	005-0882-01	005-0882-11
FTWM-C075	24.0	16.1	11.8	005-0882-00	005-0882-09
F3WD-C201	24.0	16.1	15.0	005-0882-02	005-0882-10
F3WD-C301	26.2	21.0	15.4	005-0882-02	005-0882-10
F3WD-C401	26.8	21.0	21.1	005-0882-01	005-0882-11
F3WD-C501	25.8	21.8	21.1	005-0882-01	005-0882-11

NOTE: For any models not listed select the proper hood based on the unit dimensions from the summary sheet.

EK Filter Driers

Application

- Premium compacted bead filter-drier with a finer 20 micron final outlet pad for maximum filtration
- Premium Universal replacement liquid line filter-drier for CFC, HCFC and HFC refrigerants including R-12, R-134a, R-22, R-404A, R-407C, R-410A, R-500, R-502, R-507

Features

- Filtration first for more effective use of surface area of desiccant
- High moisture and acid removal
- Solid copper fittings
- Corrosion resistant epoxy powder paint finish
- Approved by Emerson Climate Technologies, Inc. for POE Oils

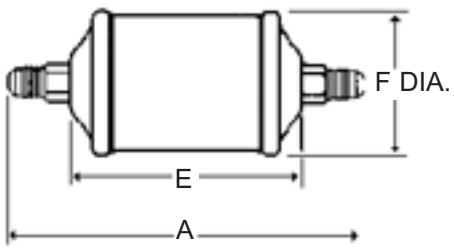
Specifications

- Desiccant blend - 75% molecular sieve and 25% activated alumina
- Filtration: 20 microns
- Maximum working pressure: 680 psig
- UL/CUL file number: SA 3124

Nomenclature

Example: EK-083S

EK	08	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S=ODF connections (omit for SAE)



Ordering Information for EK

PCN	Model Number	Dimensions					Shipping Wt. (lbs)
		A	B	D	E	F	
060009	EK 032	4 3/8	-	-			
060012	EK 032S	3 7/8	3 1/8	3/8			
063208	EK 032SV CAP	-	-	-			
060011	EK 032FM	3 1/2	-	-	2 9/16	1 5/8	1/2
060010	EK 032MF	3 1/2	-	-			
060013	EK 033	4 11/16	-	-			
060014	EK 033S	4 1/6	3 3/16	7/16			
047601	EK 052	4 13/16	-	-			
057013	EK 052MF	4 1/2	-	-			
047602	EK 052S	4 7/16	3 11/16	3/8	3		7/8
065846	EK 052 SV CAP	-	-	-			
047603	EK 053	5 1/8	-	-			
047604	EK 053S	4 1/2	3 5/8	7/16			
047605	EK 082	5 5/8	-	-			
047606	EK 082S	5 1/4	4 1/2	3/8			
049551	EK 0825S	5 3/8	4 3/8	1/2			
056906	EK 083MF	5 15/16	-	-	3 13/16		1 1/4
047607	EK 083	5 15/16	-	-			
047608	EK 083S	5 5/16	4 7/16	7/16		2 5/8	
047609	EK 084	6 3/16	-	-			
047610	EK 084S	5 3/8	4 3/8	1/2			
047611	EK 162	6 9/16	-	-			
047612	EK 162S	6 3/16	5 7/16	3/8			
056045	EK 1625S	5 15/16	5 5/16	5/16			
047613	EK 163	6 7/8	-	-			
047614	EK 163S	6 1/4	5 7/16	7/16	4 3/4		1 1/2
047615	EK 164	7 1/16	-	-			
047616	EK 164S	6 5/16	5 5/16	1/2			
047617	EK 165	7 1/2	-	-			
047618	EK 165S	6 9/16	5 5/16	5/8			
047619	EK 167S	7 1/2	5 5/8	3/4			
048210	EK 303	9 5/8	-	-			
048211	EK 303S	9	8 1/8	7/16			
048212	EK 304	9 7/8	-	-			
048213	EK 304S	9 1/8	8 1/8	1/2	7 1/2	3 1/16	3 3/4
048214	EK 305	10 5/16	-	-			
048215	EK 305S	9 5/16	8 1/16	5/8			
048216	EK 306S	9 11/16	8 7/16	5/8			
048217	EK 307S	9 7/8	8 3/8	3/4			
048218	EK 309S	10 1/4	8 7/16	15/16			
048219	EK 413	9 3/4	-	-			
048220	EK 414	10	-	-			
048221	EK 414S	9 1/4	8 1/4	1/2	7 5/8		4 3/4
048222	EK 415	10 7/16	-	-		3 11/16	
048223	EK 415S	9 7/16	8 3/16	5/8			
048224	EK 417S	10	8 1/2	3/4			
048225	EK 419S	10 5/16	8 1/2	3/4			
048228	EK 757S	15 7/16	13 15/16	3/4	13 1/16		7 1/2
048229	EK 759S	15 3/4	13 7/8	15/16			

EK Filter Driers

Description	Connections	Flow Capacity -- Tons @ 1psi △ P (For kW, multiply tons by 3.5) 1						Water Capacity -- Drops of Water 2													
								R-12		R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
		R-12	R-134a	R-22/ R-410A	R-407C	R-404A/ 507	R-502	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
EK 03 2 FM	1/4 Fem/In SAE	1.6	2.0	2.2	2.1	1.4	1.4														
EK 03 2 MF	1/4 Male/In SAE	1.6	2.0	2.2	2.1	1.4	1.4														
EK 03 2	1/4 SAE	1.6	2.0	2.2	2.1	1.4	1.4														
EK 03 2 S	1/4 ODF	2.2	2.7	2.9	2.9	2.0	1.9	47	41	40	37	40	33	33	25	21	38	37	42	37	
K 032 SV	1/4 ODF	2.2	2.7	2.9	2.9	2.0	1.9														
EK 03 3	3/8 SAE	2.5	3.0	3.3	3.2	2.2	2.1														
EK 03 3 S	3/8 ODF	2.5	3.0	3.3	3.2	2.2	2.1														
EK 05 2 FM	1/4 Fem/In SAE	1.7	2.1	2.3	2.2	1.5	1.5														
EK 05 2 MF	1/4 Male/In SAE	1.7	2.1	2.3	2.2	1.5	1.5														
EK 05 2	1/4 SAE	1.7	2.1	2.3	2.2	1.5	1.5														
EK 05 2 S	1/4 ODF	2.7	3.3	3.6	3.5	2.4	2.3	133	119	116	106	114	97	95	75	64	58	109	106	120	107
EK 05 3 MF	3/8 Male/In SAE	2.9	3.5	3.8	3.7	2.5	2.5														
EK 05 3	3/8 SAE	2.9	3.5	3.8	3.7	2.5	2.5														
EK 05 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2	3.1														
EK 08 2 FM	1/4 Fem/In SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 08 2 MF	1/4 Male/In SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 08 2	1/4 SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 08 2 S	1/4 ODF	2.5	3.1	3.4	3.3	2.2	2.2														
EK 08 25 S	5/16 ODF	2.9	3.5	3.8	3.7	2.5	2.5														
EK 08 3 MF	3/8 Male/In SAE	3.2	3.9	4.2	4.1	2.8	2.7	274	240	237	218	235	200	195	155	159	118	224	217	245	217
EK 08 3	3/8 SAE	3.2	3.9	4.2	4.1	2.8	2.7														
EK 08 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2	3.1														
EK 08 4	1/2 SAE	5.5	6.7	7.3	7.1	4.9	4.7														
EK 08 4 S	1/2 ODF	5.8	7.1	7.7	7.5	5.1	5.0														
EK 16 2 MF	1/4 Male/In SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 16 2	1/4 SAE	1.9	2.3	2.5	2.4	1.7	1.6														
EK 16 2 S	1/4 ODF	2.5	3.1	3.4	3.3	2.2	2.2														
EK 16 25 S	5/16 ODF	2.5	3.1	3.4	3.3	2.2	2.2														
EK 16 3	3/8 SAE	3.2	3.9	4.2	4.1	2.8	2.7														
EK 16 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2	3.1	347	301	371	341	368	313	305	240	206	186	350	340	306	272
EK 16 4	1/2 SAE	5.9	7.2	7.8	7.7	5.2	5.1														
EK 16 4 S	1/2 ODF	7.0	8.5	9.2	9.0	6.2	6.0														
EK 16 5	5/8 SAE	8.0	9.7	10.5	10.3	7.0	6.8														
EK 16 5 S	5/8 ODF	8.3	10.1	10.9	10.7	7.3	7.1														
EK 16 7 S	7/8 ODF	12.7	15.5	16.8	16.5	11.2	10.9														
EK 30 3	3/8 SAE	3.5	4.3	4.7	4.6	3.1	3.0														
EK 30 3 S	3/8 ODF	5.2	6.3	6.8	6.7	4.6	4.4														
EK 30 4	1/2 SAE	6.6	8.1	8.8	8.6	5.9	5.7														
EK 30 4 S	1/2 ODF	8.2	10.0	10.8	10.6	7.2	7.0														
EK 30 5	5/8 SAE	8.7	10.6	11.5	11.3	7.7	7.5	601	526	664	611	657	561	548	434	515	355	627	608	536	477
EK 30 5 S	5/8 ODF	10.3	12.5	13.5	13.3	9.1	8.8														
EK 30 6 S	3/4 ODF	12.1	14.8	16.0	15.7	10.7	10.4														
EK 30 7 S	7/8 ODF	13.8	16.8	18.2	17.9	12.2	11.8														
EK 30 9 S	1 1/8 ODF	16.1	19.6	21.2	20.8	14.2	13.8														
EK 41 3	3/8 SAE	3.5	4.3	4.7	4.6	3.1	3.0														
EK 41 4	1/2 SAE	8.5	10.4	11.3	11.1	7.5	7.3														
EK 41 4 S	1/2 ODF	8.9	10.8	11.7	11.5	7.8	7.6														
EK 41 5	5/8 SAE	9.8	12.0	13.0	12.8	8.7	8.5	1104	971	938	854	919	785	765	607	715	465	876	850	991	884
EK 41 5 S	5/8 ODF	13.9	17.0	18.4	18.1	12.3	12.0														
EK 41 7 S	7/8 ODF	16.6	20.3	22.0	21.6	14.7	14.3														
EK 41 9 S	1 1/8 ODF	22.7	27.7	30.0	29.4	20.1	19.5														
EK 75 7 S	7/8 ODF	18.2	22.2	24.1	23.6	16.1	15.6	2368	2159	2159	2019	2159	1880	1810	1460	1460	1111	2019	2019	2229	2019 9

Refrigerant oz. (Volume)															
Unit Size	R-12		R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
03	2.9	2.6	2.6	2.3	2.6	2.3	2.5	2.1	2.3	1.9	2.3	1.9	2.7	2.3
05	6.5	5.9	6.0	5.4	5.9	5.3	5.6	4.9	5.3	4.4	5.2	4.4	6.0	5.3
08	8.3	7.6	7.6	6.9	7.5	6.8	7.2	6.3	6.7	5.7	6.6	5.6	7.7	6.8
16	10.2	9.4	9.4	8.6	9.3	8.4	8.9	7.8	8.3	7.0	8.2	6.9	9.5	8.4
30	28.7	26.3	26.4	23.9	26.1	23.5	24.9	21.9	23.3	19.6	22.9	19.4	26.7	23.4
41	40.0	36.4	36.9	33.1	36.4	32.5	34.7	30.3	32.5	27.2	31.9	26.8	37.2	32.4
75	72.4	66.3	66.7	60.3	65.8	59.2	62.8	55.2	58.7	49.5	57.7	48.9	67.2	59.0

1. All ratings in accordance with ARI Standard 710-86
2. Water capacities are based on Equilibrium Point Dryness (EPD) / ARI Standard 710-2002

Hermetic Moisture Indicators

Application

- The HMI was designed to provide an accurate method of determining the moisture content of a system's refrigerant
- Unique 3% high accuracy moisture indicator for CFC, HCFC and HFC refrigerants, including R410A

Features

- Fully Hermetic Design
- 3% relative humidity indication compared to 10% paper indicators
- Single indicator for all common refrigerants
- Accurate color calibration at low ppm levels and higher temperatures
- Wide angle viewing/high visibility window for ease of monitoring
- All brass corrosion resistant body
- Solid copper fittings

Specifications

- 3% relative humidity sensitivity
- Maximum Working Pressure: 680 psig
- UL File Number: SA 4876
- CSA File Number: LR32462

Nomenclature

Example: HMI 1TT4

HMI	1	TT	4
Hermetic Moisture Indicator	Series	Connection Style TT=Sweat x Sweat	Connection Size (in 1/8")

Ordering Information for HMI

PCN	Catalog #	Series	Connection Size
065391	HMI-1MM2	Male Flare x Male Flare	1/4"
065392	HMI-1MM3		3/8"
065393	HMI-1MM4		1/2"
065394	HMI-1MM5		5/8"
065395	HMI-1MM6		3/4"
065405	HM1-1TT2	Sweat x Sweat (ODF)	1/4"
065406	HMI-1TT3		3/8"
065407	HMI-1TT4		1/2"
065408	HMI-1TT5		5/8"
065409	HMI-1TT6		3/4"
065410	HMI-1TT7		7/8"
065411	HMI-1TT9		1 1/8"
065396	HMI-1FM2	Female Flare x Male Flare	1/4"
065397	HMI-1FM3		3/8"
065398	HMI-1FM4		1/2"
065399	HMI-1MU2	Male Flare x Female Flare Swivel Nut	1/4"
065400	HMI-1MU3		3/8"
065401	HMI-1MU4		1/2"
065402	HMI-1MU5		5/8"
065403	HMI-1FU3	Female Flare x Female Flare Swivel Nut	3/8"
065404	HMI-1FU4		1/2"
065412	HMI-1UU3	Swivel Nut x Swivel Nut	3/8"
065413	HMI-1UU4		1/2"
065414	HMI-1UU5		5/8"

Note: If the HMI indicator is not dark blue after 12 hours of running time, the filter drier should be changed.

MOISTURE SENSITIVITY (PPM)									
Indication	Dry (Dark Blue)			Caution (Purple)			Wet (Salmon)		
LIQUID TEMPERATURE	75°F	100°F	125°F	75°F	100°F	125°F	75°F	100°F	125°F
R-12	1.4	2.5	4	5	9	15	25	43	70
R-134a	20	35	60	35	55	85	130	160	190
R22	25	35	50	40	65	90	145	205	290
R-407C	26	40	64	42	68	109	150	230	370
R-410A	30	55	75	50	85	120	165	290	420
R-404A/507	15	25	45	33	50	80	120	150	180
R-502	2.6	5	8	10	18	30	50	90	150

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