

SystemPro™ Hermetic Air-Cooled Condensing Units for OEM's

M and F-Line Models

1/6 - 5 HP

Low/Medium/High Temperature
R-134a, R-404A, R-22



EMERSON[™]
Climate Technologies

SystemPro™ Air-Cooled Condensing Units

Capacity Data

**90°F
Ambient**

High/Med Temp. Model	Appl.	Refrig.	H.P.	Comp. Model	Capacity(Btu/hr) at 90°F Ambient - Evaporator Temp (°F)								
					0	+10	+15	+20	+25	+30	+35	+40	+45
M2FH-0017	HT	R-134a	1/6	ARB13C3E	800	910	1030	1150	1280	1410	1560	1710	
M2FH-0020	HT	R-134a	1/5	ARB17C3E	950	1070	1200	1330	1470	1620	1770	1930	
M2FH-0024	HT	R-134a	1/4	ARE25C3E	1310	1470	1640	1810	2000	2190	2390	2600	
M2FH-0026	HT	R-134a	1/4	ARE27C3E	1530	1700	1890	2080	2280	2490	2710	2940	
M2FH-A033	HT	R-134a	1/3	ARE37C3E	1870	2110	2360	2620	2900	3190	3500	3820	
M2FH-0040	HT	R-134a	1/3	ARE41C3E	1970	2270	2570	2870	3170	3490	3810	4150	
M2FH-0049	HT	R-134a	1/2	ART51C1E	2610	2920	3250	3600	3960	4340	4740	5150	
M2FH-0050	HT	R-134a	1/2	ART62C1E	2950	3350	3780	4230	4710	5210	5740	6290	
M2FH-0056	HT	R-134a	1/2	ART64C1E	3240	3680	4140	4630	5150	5690	6270	6870	
FTAH-B074	HT	R-134a	3/4	RR81C2E	3890	4380	4900	5450	6050	6710	7430	8220	
FTAM-A075	MT	R-134a	3/4	RS54C2E	4260	4920	5650	6450					
FTAH-A101	HT	R-134a	1	CS10K6E	4990	5860	6820	7770	8780	9790	10800	11800	
FTAH-A125	HT	R-134a	1-1/4	CS14K6E	7170	8420	9770	11200	12800	14400	16200	18000	
FTAH-A150	HT	R-134a	1-1/2	CS18K6E	8560	10000	11600	13300	15100	17000	19000	21100	
FTAH-A201	HT	R-134a	2	CS20K6E	10300	12200	14200	16400	18800	21300	24000	26900	
M4FH-0022	HT	R-404A	1/5	ASB12C3E	1340	1460	1590	1720	1860	2010	2160	2310	
M4FH-0025	HT	R-404A	1/4	ASE19C3E	1890	2060	2240	2430	2620	2820	3030	3240	
M4FH-A036	HT	R-404A	1/3	ASE24C3E	2550	2810	3090	3370	3670	3990	4310	4650	
M4FH-0050	HT	R-404A	1/2	ASE32C3E	3320	3660	4010	4380	4770	5180	5600	6040	
FJAF-A056	MT	R-404A	1/2	RS43C2E	3030	3940	4450	5010	5630				
FJAF-B078	MT	R-404A	3/4	RS55C2E	3900	4970	5540	6130	6740				
FJAM-A106	MT	R-404A	1	RS64C2E	5080	6380	7070	7780	8530				
FJAM-A125	MT	R-404A	1-1/4	RS70C1E	5390	6840	7620	8450	9340				
FJAM-A126	MT	R-404A	1-1/4	RS80C2E	6350	7940	8770	9640	10500				
FJAM-A150	MT	R-404A	1-1/2	CS10K6E	6860	9100	10200	11400	12500				
FJAM-A200	MT	R-404A	2	CS12K6E	8770	11600	13000	14500	16100				
FJAM-A225	MT	R-404A	2-1/4	CS14K6E	10400	13400	14900	16400	17900				
FJAM-A300	MT	R-404A	3	CS18K6E	13100	17300	19500	21600	23800				
FJAM-A325	MT	R-404A	3-1/4	CS20K6E	14300	18500	20800	23300	26100				
FJAM-B400	MT	R-404A	4	CS27K6E	20700	26900	30300	33900	37800				
FJAM-B500	MT	R-404A	5	CS33K6E	23200	30400	34100	37700	41200				
MMFH-0022	HT	R-22	1/5	ARB21C3	1250	1380	1530	1680	1840	2010	2180	2360	
MCFH-0027	HT	R-22	1/4	ARE36C3	1910	2130	2360	2600	2850	3110	3380	3660	
MCFH-0036	HT	R-22	1/3	ARE43C3	2270	2550	2830	3140	3460	3790	4140	4500	
MCFH-0049	HT	R-22	1/2	ARE59C3	3090	3460	3840	4250	4680	5130	5600	6090	
MCFH-0056	HT	R-22	1/2	ART69C1	3610	4020	4470	4950	5480	6070	6720	7440	
F3AH-A078	HT	R-22	3/4	RS47C2	4480	5120	5760	6450	7130	7870	8660	9440	
F3AH-A100	HT	R-22	1	RS64C2	5260	5960	6700	7480	8320	9220	10200	11200	
F3AM-A105	MT	R-22	1	RS70C1	6600	7560	8560	9620					
F3AD-B151	HT	R-22	1-1/2	CR18KQ	7590	8800	10100	11500	13000	14500	16100	17700	
F3AD-B201	HT	R-22	2	CR24KQ	10100	11800	13500	15400	17300	19400	21600	23900	
F3AD-B225	HT	R-22	2-1/4	CR28KQ	11400	13100	15100	17100	19300	21500	23900	26400	
F3AD-B301	HT	R-22	3	CR37KQ	17000	19500	22000	24600	27400	30300	33300	36500	
F3AD-B325	HT	R-22	3-1/4	CR41KQ	18300	20900	23600	26500	29400	32500	35900	39400	
F3AD-B401	HT	R-22	4	CR53KQ	25900	29500	33400	37600	41900	46500	51200	56200	
F3AD-A501	HT	R-22	5	CRN5-0500	29800	34000	38200	42700	47400	52400	57500	63000	

Low Temp. Model	Appl.	Refrig.	H.P.	Comp. Model	Capacity(Btu/hr) at 90°F Ambient - Evaporator Temp (°F)								
					-30	-25	-20	-15	-10	0	+10	+15	+20
M2FL-0023	LT	R-134a	1/5	AFB05C3E	440	550	630	740	960				
M2FL-A025	LT	R-134a	1/4	AFE10C3E	720	820	940	1070	1370				
M2FL-B033	LT	R-134a	1/3	AFE12C3E	850	960	1090	1240	1590				
M2FL-0040	LT	R-134a	1/3	AFT12C1E	920	1120	1320	1540	2010				
FTAL-A050	LT	R-134a	1/2	RF18C2E	1280	1590	1910	2260	2980				
M4FL-0025	LT	R-404A	1/4	AFB09C3E	610	710	810	920	1160				
M4FL-0033	LT	R-404A	1/3	AFE11C3E	860	1040	1210	1390	1750				
M4FL-0040	LT	R-404A	1/2	AFE13C3E	1320	1550	1790	2040	2560				
M4FL-0051	LT	R-404A	1/2	AFT18C1E	1460	1760	2080	2430	3160				
M4FL-0067	LT	R-404A	1/2	AFT26C1E	2140	2470	2840	3260	4210				
FJAF-A075	LT	R-404A	3/4	RS64C2E	2110	2560	3020	3490	4440				
FJAL-A102	LT	R-404A	1	RF42C1E	3460	3980	4520	5090	6290				
FJAL-A103	LT	R-404A	1	CF04K6E	2380	2950	3570	4230	4950	6500			
FJAL-B200	LT	R-404A	2	CF06K6E	4100	5040	6060	7130	8260	10500			
FJAL-A225	LT	R-404A	2-1/4	CF06K6E	4350	5380	6510	7730	9010	11600			
FJAL-B301	LT	R-404A	3	CF09K6E	6330	7830	9470	11200	13100	16900			
FJAL-A390	LT	R-404A	4	CF12K6E	8700	10400	12200	14000	16000	20000			

Capacities are at 60 Hertz with 5°F Subcooling. Multiply by .83 for 50 Hertz.

Capacities are based on single phase units. Three phase could be different; visit copeland-corp.com for performance.

Low and medium temperature units are rated at 40°F return gas temperature; High temperature models are rated at 65°F.

100°F Ambient

Capacity(Btu/hr) at 100°F Ambient - Evaporator Temp (°F)								
0	+10	+15	+20	+25	+30	+35	+40	+45
	730	830	930	1050	1170	1300	1440	1580
	890	1010	1120	1250	1380	1520	1670	1810
	1230	1390	1530	1710	1870	2050	2230	2420
	1400	1570	1710	1890	2080	2300	2520	2710
	1690	1920	2150	2420	2670	2970	3230	3490
	1790	2070	2350	2630	2910	3210	3510	
	2410	2710	3020	3350	3690	4050	4430	4800
	2730	3170	3500	3860	4360	4820	5340	5940
	3010	3430	3880	4220	4830	5280	5820	6480
	3420	3870	4350	4860	5420	6030	6700	7440
	3870	4430	5070	5780				
	4330	5160	6060	6970	7930	8900	9850	10800
	6190	7360	8620	9970	11400	12900	14600	16300
	7370	8760	10200	11800	13500	15200	17100	19000
	8880	10700	12600	14600	16800	19200	21700	24300
	1230	1340	1460	1590	1720	1870	2010	2150
	1700	1870	2030	2220	2400	2620	2840	3030
	2330	2580	2840	3100	3370	3660	3960	4290
	2900	3220	3560	3910	4280	4680	5080	5520
2570	3340	3790	4290	4840				
3380	4360	4870	5400	5950				
4490	5680	6300	6940	7610				
4770	6070	6750	7470	8250				
5610	7060	7810	8600	9420				
5780	7820	8850	9890	10900				
7500	10100	11400	12800	14200				
9060	11700	13100	14500	15800				
11200	15000	17000	18900	20900				
12200	16000	18100	20400	22900				
18100	23700	26800	30000	33500				
20400	27000	30300	33600	36700				
	1140	1270	1400	1550	1700	1870	2030	2190
	1710	1930	2150	2380	2610	2860	3130	3400
	2080	2330	2600	2890	3180	3500	3830	4170
	2910	3260	3630	4010	4400	4810	5250	5720
	3270	3360	4070	4520	5020	5580	6190	6880
	4020	4620	5220	5860	6510	7190	7930	8670
	4740	5440	6140	6910	7670	8490	9360	10200
	5720	6630	7590	8590				
	6490	7630	8850	10200	11500	13000	14500	16100
	8930	10500	12200	13900	15800	17800	19900	22000
	10100	11800	13600	15500	17600	19700	22000	24300
	15100	17400	19900	22400	25000	27700	30600	33600
	16500	19000	21600	24200	27000	29900	32900	36200
	23500	27000	30600	34500	38600	42800	47300	51800
	28000	32100	36300	40600	45100	49700	54700	59600

Capacity(Btu/hr) at 100°F Ambient - Evaporator Temp (°F)								
-30	-25	-20	-15	-10	0	+10	+15	+20
	420	510	600	710	920			
	670	760	870	1000	1280			
	770	880	1000	1150	1480			
	780	960	1150	1350	1810			
	1050	1340	1640	1970	2660			
	560	640	740	840	1050			
	690	850	1010	1180	1530			
	1100	1310	1530	1770	2240			
	1240	1500	1790	2100	2770			
	1920	2220	2560	2930	3780			
	1770	2200	2620	3060	3920			
	3010	3480	3970	4480	5560			
1930	2430	2970	3550	4180	5540			
3410	4250	5170	6140	7160	9170			
3610	4540	5560	6670	7840	10200			
5370	6700	8170	9750	11400	14900			
7280	8890	10500	12200	14000	17600			

Capacities are at 60 Hertz with 5°F Subcooling. Multiply by .83 for 50 Hertz. Capacities are based on single phase units. Three phase could be different; visit copeland-corp.com for performance.

Low and medium temperature units are rated at 40°F return gas temperature; High temperature models are rated at 65°F.

**110°F
Ambient**

Capacity(Btu/hr) at 100°F Ambient - Evaporator Temp (°F)								
0	+10	+15	+20	+25	+30	+35	+40	+45
	660	760	840	950	1070	1190	1320	1460
	820	930	1040	1170	1290	1430	1560	1690
	1140	1290	1420	1590	1740	1920		
	1330	1470	1570	1740	1910	2100		
	1520	1740	1970	2220	2440	2720		
	1630	1890	2140	2400				
	2210	2490	2790	3100	3430			
	2470	2890	3210	3560	4060			
	2750	3120	3520	3870	4450	4920		
	3030	3450	3880	4350	4850	5420		
	3520	3940	4460	5070				
	3680	4450	5310	6160	7080	8000		
	5230	6330	7500	8750	10100	11500	13000	14500
	6220	7520	8900	10400	11900	13500		
	7480	9150	10900	12800	14900	17100	19400	21800
	1130	1230	1350	1480	1610	1740		
	1530	1690	1840	2020	2190			
	2110	2340	2590	2840	3100	3390		
	2660	2940	3240	3530	3850	4190		
2190	2790	3160	3580	4070				
2880	3760	4220	4690	5180				
3900	4950	5500	6070	6660				
4070	5230	5820	6440	7100				
4850	6150	6820	7530	8260				
4680	6520	7450	8380	9310				
6230	8530	9740	11000	12300				
7730	10100	11300	12500	13700				
9410	12800	14500	16300	18000				
10100	13500	15400	17500	19800				
15600	20500	23200	26100	29300				
17700	23600	26600	29500	32300				
	1050	1170	1300	1440	1590	1740	1890	
	1540	1750	1970	2180	2410			
	1880	2120	2370	2640	2930	3230	3550	
	2690	3020	3370	3750	4150	4550		
	2960	3320	3710	4130	4610	5140	5730	
	3540	4100	4660	5270	5870	6520	7200	7890
	4230	4870	5520	6210	6900	7650		
	4890	5780	6710	7690				
	5400	6470	7620	8850	10200	11500		
	7780	9270	10800	12500	14300	16100	18100	
	8970	10500	12200	14000	15900	17900		
	13100	15400	17800	20200	22700	25300	28000	
	14800	17200	19600	22000	24600	27200		
	21100	24400	27800	31400	35200	39200	43300	47500
	24900	28900	33000	37100	41400	45800	50500	55200

Capacity(Btu/hr) at 100°F Ambient - Evaporator Temp (°F)								
-30	-25	-20	-15	-10	0	+10	+15	+20
	370	470	550	650	870			
		700	800	920	1190			
		800	920	1050	1360			
	600	780	970	1170	1630			
				1700	2350			
	500	570	660	750	930			
	520	670	830	990	1320			
	850	1060	1280	1500	1970			
	970	1210	1480	1770	2410			
		1960	2270	2610	3390			
		1840	2230	2630	3400			
		3000	3430	3880	4840			
1510	1920	2370	2850	3380	4540			
	3520	4310	5160	6060	7840			
2970	3760	4660	5640	6680	8840			
4470	5620	6910	8310	9820	12900			
5900	7400	8910	10400	12000	15300			

Capacities are at 60 Hertz with 5°F Subcooling. Multiply by .83 for 50 Hertz. Capacities are based on single phase units. Three phase could be different; visit copeland-corp.com for performance.

Low and medium temperature units are rated at 40°F return gas temperature; High temperature models are rated at 65°F.

SystemPro™ Air-Cooled Condensing Units

Physical/Electrical Data

High/Med Temp. Model	Comp. Model	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	230-3-60	460-3-60	230-1-50	380-3-50			
M2FH-0017	ARB13C3E	13.8	11.8	9.7	3/8 S	1/4 S	4.2	15				1.9	15	-	33
M2FH-0020	ARB17C3E	13.8	11.8	9.7	3/8 S	1/4 S	5.0	15				2.4	15	-	35
M2FH-0024	ARE25C3E	13.8	11.8	9.7	3/8 S	1/4 S	6.5	15				2.7	15	-	36
M2FH-0026	ARE27C3E	13.8	11.8	9.7	3/8 S	1/4 S	6.9	15				3.1	15	2.3	41
M2FH-A033	ARE37C3E	13.8	11.8	9.7	3/8 S	1/4 S	9.9	15	4.9	15		4.2	15	2.5	43
M2FH-0040	ARE41C3E	16.3	12.5	9.7	3/8 S	1/4 S	10.2	15	5.5	15		5.5	15	2.8	46
M2FH-0049	ART51C1E	16.2	13.1	11.8	3/8 S	1/4 S	12.5	20	6.6	15		5.5	15	3.7	50
M2FH-0050	ART62C1E	16.2	13.1	11.8	3/8 S	1/4 S	14.6	20	7.2	15		6.3	15	4.1	55
M2FH-0056	ART64C1E	17.4	14.4	11.8	3/8 S	1/4 S	15.5	20	8.8	15		7.1	15	4.3	60
FTAH-B074	RR81C2E	17.4	14.4	11.8	5/8 RS	3/8 S	18.3	25	11.2	15		9.9	15	5.1	79
FTAM-A075	RS54C2E	24.0	16.8	13.1	5/8 RS	3/8 S	16.8	25	9.7	15		9.5	15	7.9	106
FTAH-A101	CS10K6E	24.0	16.8	15.9	5/8 RS	3/8 S		14.8	20	10.5	15	5.2	15	8.4	130
FTAH-A125	CS14K6E	24.0	18.4	16.3	7/8 RS	3/8 S		18.4	25	14.3	20	7.5	15	9.2	140
FTAH-A150	CS18K6E	24.0	18.4	16.3	7/8 RS	3/8 S		22.9	35	15.9	20	7.5	15	9.2	140
FTAH-A201	CS20K6E	25.1	34.1	19.1	7/8 RS	3/8 S		25.6	40	16.6	25	9.6	15	16.7	215
M4FH-0022	ASB12C3E	13.8	11.8	9.7	3/8 S	1/4 S	7.3	15				3.4	15	-	36
M4FH-0025	ASE19C3E	13.8	11.8	9.7	3/8 S	1/4 S	10.7	15				4.1	15	2.2	41
M4FH-A036	ASE24C3E	16.2	13.1	11.8	3/8 S	1/4 S	8.4	15	5.9	15		5.9	15	3.3	45
M4FH-0050	ASE32C3E	16.2	13.1	11.8	3/8 S	1/4 S	12.4	20	6.7	15		5.1	15	3.7	50
FJAF-A056	RS43C2E	17.5	14.3	12.0	5/8 RS	1/4 S	14.3	20	8.1	15		7.5	15	4.3	77
FJAF-B078	RS55C2E	24.0	16.9	13.1	5/8 RS	3/8 S	18.5	25	8.8	15		8.7	15	7.2	96
FJAM-A106	RS64C2E	24.0	18.3	16.2	7/8 RS	3/8 S		12.5	15			13.2	15	7.9	106
FJAM-A125	RS70C1E	24.0	18.3	16.2	7/8 RS	3/8 S		11.7	15	8.8	15			12.8	128
FJAM-A126	RS80C2E	24.0	18.3	16.2	7/8 RS	3/8 S		14.9	15	10.9	15	4.7	15	12.8	128
FJAM-A150	CS10K6E	24.0	18.3	16.2	7/8 RS	3/8 S		16.5	20	12.2	15	6.1	15	12.8	144
FJAM-A200	CS12K6E	25.2	34.1	18.9	7/8 RS	3/8 S		15.9	20	11.7	15	15.9	20	14.3	215
FJAM-A225	CS14K6E	25.1	34.1	18.9	7/8 RS	3/8 S		17.8	25	13.7	20	7.4	15	14.3	210
FJAM-A300	CS18K6E	25.1	34.1	18.9	1-1/8 RS	3/8 S		25.8	35	18.8	20	9.1	15	16.3	236
FJAM-A325	CS20K6E	25.1	34.1	18.9	1-1/8 RS	3/8 S		29.1	40	20.1	25	9.6	15	16.3	239
FJAM-B400	CS27K6E	28.2	44.1	26.8	1-1/8 RS	1/2 S		33.5	50	23.1	35	13.0	15	27.3	373
FJAM-B500	CS33K6E	28.2	44.1	26.8	1-1/8 RS	1/2 S		42.0	60	27.0	40	13.0	15	27.3	373
MMFH-0022	ARB21C3	13.8	11.6	9.7	3/8 S	1/4 S	6.5	15				3.3	15	-	36
MCFH-0027	ARE36C3	13.8	11.8	9.7	3/8 S	1/4 S	9.1	15						2.5	42
MCFH-0036	ARE43C3	16.2	13.1	11.8	3/8 S	1/4 S	9.8	15				4.4	15	3.6	47
MCFH-0049	ARE59C3	16.2	13.1	11.8	3/8 S	1/4 S	10.9	15				4.5	15	4.0	54
MCFH-0056	ART69C1	17.4	14.4	11.8	3/8 S	1/4 S	18.0	25	9.6	15				4.1	65
F3AH-A078	RS47C2	24.0	16.9	13.1	5/8 RS	3/8 S	19.9	30	10.1	15		9.0	15	6.1	102
F3AH-A100	RS64C2	24.0	16.9	13.1	5/8 RS	3/8 S		12.7	20			11.4	15	8.3	112
F3AM-A105	RS70C1	24.1	18.3	16.2	7/8 RS	3/8 S		11.7	15	8.8	15	4.9	15	14.7	138
F3AD-B151	CR18KQ	24.1	18.3	16.9	7/8 RS	3/8 S		16.4	20	14.5	20	6.7	15	9.1	140
F3AD-B201	CR24KQ	25.1	34.1	19.1	7/8 RS	3/8 S		19.1	30	13.2	15	6.8	15	17.8	215
F3AD-B225	CR28KQ	25.1	34.1	19.1	7/8 RS	3/8 S		21.4	30	15.6	20	7.1	15	17.8	215
F3AD-B301	CR37KQ	25.1	34.1	19.1	1-1/8 RS	3/8 S		28.9	40	19.7	20	10.2	15	20.0	239
F3AD-B325	CR41KQ	25.1	34.1	19.1	1-1/8 RS	3/8 S		30.1	40	21.9	25	10.6	15	20.0	239
F3AD-B401	CR53KQ	28.6	44.1	26.9	1-1/8 RS	1/2 S		41.9	60	25.9	40	13.2	15	31.5	373
F3AD-A501	CRN5-0500	28.6	44.1	26.9	1-1/8 RS	1/2 S		46.4	70	30.3	45	14.4	20	31.5	373

Low Temp. Model	Comp. Model	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	230-3-60	460-3-60	230-1-50	380-3-50			
M2FL-0023	AFB05C3E	13.8	11.8	9.7	3/8 S	1/4 S	4.2	15				1.9	15	-	36
M2FL-A025	AFE10C3E	13.8	11.8	9.7	3/8 S	1/4 S	6.8	15				2.7	15	2.5	42
M2FL-B033	AFE12C3E	16.2	12.4	9.7	3/8 S	1/4 S	7.0	15				4.0	15	2.5	47
M2FL-0040	AFT12C1E	16.7	12.6	9.7	3/8 S	1/4 S	7.3	15				4.1	15	2.8	50
FTAL-A050	RF18C2E	16.0	13.3	11.9	1/2 RS	1/4 S	17.0	25	9.5	15		8.3	15	3.6	64
M4FL-0025	AFB09C3E	13.8	12.0	9.7	3/8 S	1/4 S	6.7	15				3.2	15	2.0	38
M4FL-0033	AFE11C3E	13.8	12.0	9.7	3/8 S	1/4 S	8.0	15				4.0	15	2.2	41
M4FL-0040	AFE13C3E	16.2	13.1	11.8	3/8 S	1/4 S	8.9	15				5.0	15	3.1	47
M4FL-0051	AFT18C1E	17.4	13.1	11.8	1/2 S	1/4 S	11.6	15				5.3	15	3.5	56
M4FL-0067	AFT26C1E	18.1	14.4	11.8	1/2 S	1/4 S	11.3	15				5.0	15	3.8	60
FJAF-A075	RS64C2E	24.0	16.9	13.1	5/8 RS	3/8 S	21.0	30	12.7	20		11.4	15	4.8	100
FJAL-A102	RF42C1E	24.0	16.9	13.1	5/8 RS	3/8 S		13.2	20	9.2	15	3.9	15	7.2	120
FJAL-A103	CF04K6E	24.0	17.2	15.0	7/8 RS	3/8 S		13.2	20	9.2	15			7.2	135
FJAL-B200	CF06K6E	24.0	19.5	16.3	7/8 RS	3/8 S		17.2	25	11.7	15	6.2	15	7.9	231
FJAL-A225	CF06K6E	25.2	34.1	19.0	7/8 RS	3/8 S		16.6	25	11.1	15	6.1	15	14.3	232
FJAL-B301	CF09K6E	25.2	34.1	19.0	7/8 RS	3/8 S		26.7	35	18.6	20	10.1	15	16.3	239
FJAL-A390	CF12K6E	25.2	34.1	19.0	7/8 RS	3/8 S		29.6	40	21.2	25	10.6	15	16.3	239

S - Sweat RS - Rotalock Sweat

SystemPro™ Air-Cooled Condensing Units Configuration Data

High/Med Temp. Model	Refrig.	H.P.	Comp Model	60 Hz Units				50 Hz Units			
				Voltages	Sweat Connections		Voltages	Sweat Connections			
					w/o Valves	w/Valves		w/o Valves	w/Valves		
M2FH-0017	R-134a	1/6	ARB13C3E	SAA IAA	102			SAZ	302		
M2FH-0020	R-134a	1/5	ARB17C3E	SAA IAA	102			SAZ	302		
M2FH-0024	R-134a	1/4	ARE25C3E	SAA	102			SAZ	302		
M2FH-0026	R-134a	1/4	ARE27C3E	IAA	102 007	111 103 017 020		IAZ	302 307	311 303 317 320	
M2FH-A033	R-134a	1/3	ARE37C3E	IAA IAV	102	111 103 208 212		IAZ	302	311 303 308 312	
M2FH-0040	R-134a	1/3	ARE41C3E	IAA IAV		212					
M2FH-0049	R-134a	1/2	ART51C1E	IAA IAV	102 214	111 103 208 212		IAG	314	311 303 308 312	
M2FH-0050	R-134a	1/2	ART62C1E	IAA IAV	102	111 103 208 212		IAZ		311 303 308 312	
M2FH-0056	R-134a	1/2	ART64C1E	IAA IAV	102 216	111 103 208 212		IAZ		311 303 308 312	
FTAH-B074	R-134a	3/4	RR81C2E	IAA IAV		208 212		IAZ		308 312	
FTAM-A075	R-134a	3/4	RS54C2E	IAA IAV		017 020 212		IAZ		317 320 312	
FTAH-A101	R-134a	1	CS10K6E	CFV TFC TFD	007	017 020 212		CFZ TFM	307	317 320	
FTAH-A125	R-134a	1-1/4	CS14K6E	CFV TFC TFD	007	017 020		CFZ TFM	307	317 320	
FTAH-A150	R-134a	1-1/2	CS18K6E	CFV TFC TFD	007	020		CFZ TFM		320	
FTAH-A201	R-134a	2	CS20K6E	CFV TFC TFD	007	020		CFZ TFM	307	320	
M4FH-0022	R-404A	1/5	ASB12C3E	IAA	102	103 212		IAZ	302	303	
M4FH-0025	R-404A	1/4	ASE19C3E	IAA	102	111 103 208 212		IAZ	302	311 303 308 312	
M4FH-A036	R-404A	1/3	ASE24C3E	IAA IAV		111 103 208 212		IAZ		312	
M4FH-0050	R-404A	1/2	ASE32C3E	CAACAV	102	111 103 208 212		CAZ		311 303 308 312	
FJAF-A056	R-404A	1/2	RS43C2E	IAA IAV	216	103 208 212		IAZ	311	312	
FJAF-B078	R-404A	3/4	RS55C2E	CAACAV		017 020		CAZ		317 320	
FJAM-A106	R-404A	1	RS64C2E	CAV	007	017 020		IAZ	307	317 320	
FJAM-A125	R-404A	1-1/4	RS70C1E	CFV TFC	007	017 020					
FJAM-A126	R-404A	1-1/4	RS80C2E	CAV TFC		017 020		CAZ		317 320	
FJAM-A150	R-404A	1-1/2	CS10K6E	CFV TFC TFD	007	020		CFZ TFM	307	320	
FJAM-A200	R-404A	2	CS12K6E	CFV TFC	007	020		CFZ	307	320	
FJAM-A225	R-404A	2-1/4	CS14K6E	CFV TFC TFD	007	020		CFZ TFM	307	320	
FJAM-A300	R-404A	3	CS18K6E	CFV TFC TFD	007	020		CFZ TFM	307	320	
FJAM-A325	R-404A	3-1/4	CS20K6E	CFV TFC TFD	007	020		CFZ TFM	307	320	
FJAM-B400	R-404A	4	CS27K6E	CFV TFC TFD	007	020					
FJAM-B500	R-404A	5	CS33K6E	CFV TFC		020					
MMFH-0022	R-22	1/5	ARB21C3	IAA	102	212					
MCFH-0027	R-22	1/4	ARE36C3	IAA		111 103 208 212					
MCFH-0036	R-22	1/3	ARE43C3	IAA	214	111 103 208 212		IAZ		311 303 308 312	
MCFH-0049	R-22	1/2	ARE59C3	CAACAV	102 214	111 103 208 212		CAZ		311 303 308 312	
MCFH-0056	R-22	1/2	ART69C1	IAA IAV	214 216	111 103 208 212					
F3AH-A078	R-22	3/4	RS47C2	IAA IAV	007	017 020 212		IAZ	307	317 320 312	
F3AH-A100	R-22	1	RS64C2	CAACAV		017 020 212					
F3AM-A105	R-22	1	RS70C1	CFV TFC TFD	007	017 020		CFZ TFM	307	317 320	
F3AD-B151	R-22	1-1/2	CR18KQ	CFV TFC TFD		020		CFZ		320	
F3AD-B201	R-22	2	CR24KQ	CFV TFC TFD		020 015		CFZ TFM		320	
F3AD-B225	R-22	2-1/4	CR28KQ	CFV TFC TFD		020 015		TFM		320	
F3AD-B301	R-22	3	CR37KQ	CFV TFC TFD	007	020 015		CFZ TFM	307	320 315	
F3AD-B325	R-22	3-1/4	CR41KQ	CFV TFC TFD	007	020 015		CFZ TFM	307	320 315	
F3AD-B401	R-22	4	CR53KQ	CFV TFC TFD		020 015		TFM		320	
F3AD-A501	R-22	5	CRN5-0500	CFV TFC TFD	007	020 015		TFM	307	320 315	

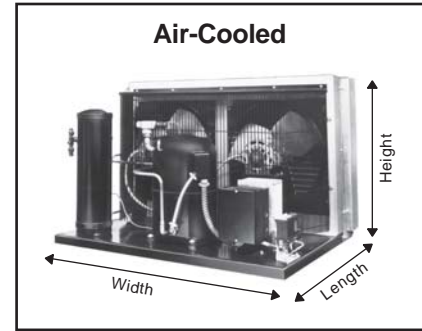
Low Temp. Model	Refrig.	H.P.	Comp Model	60 Hz Units				50 Hz Units			
				Voltages	Sweat Connections		Voltages	Sweat Connections			
					w/o Valves	w/Valves		w/o Valves	w/Valves		
M2FL-0023	R-134a	1/5	AFB05C3E	IAA	102			SAZ	302		
M2FL-A025	R-134a	1/4	AFE10C3E	IAA		111 103 017 020		IAZ		311 303 317 320	
M2FL-B033	R-134a	1/3	AFE12C3E	IAA		111 103 017 020		IAZ		311 303 317 320	
M2FL-0040	R-134a	1/3	AFT12C1E	IAA		111 103 017 020		IAZ		311 303 317 320	
FTAL-A050	R-134a	1/2	RF18C2E	IAA IAV		111 103 208 212		IAZ		311 303 308 312	
M4FL-0025	R-404A	1/4	AFB09C3E	IAA		111 103 017 020					
M4FL-0033	R-404A	1/3	AFE11C3E	IAA		111 103 017 020		IAZ		311 303 317 320	
M4FL-0040	R-404A	1/2	AFE13C3E	IAA IAV		111 103 208 212		IAZ		311 303 308 312	
M4FL-0051	R-404A	1/2	AFT18C1E	IAA		111 103 208 212		IAZ		311 303 308 312	
M4FL-0067	R-404A	1/2	AFT26C1E	CFA		111 103 208 212		CFZ		311 303 308 312	
FJAF-A075	R-404A	3/4	RS64C2E	CAACAV		017 020 212		IAZ	307	317 320	
FJAL-A102	R-404A	1	RF42C1E	CAV		020 212		CAZ		320	
FJAL-A103	R-404A	1	CF04K6E	CFV TFC		020					
FJAL-B200	R-404A	2	CF06K6E	CFV TFC TFD		020					
FJAL-A225	R-404A	2-1/4	CF06K6E	CFV TFC TFD		020 015					
FJAL-B301	R-404A	3	CF09K6E	CFV TFC TFD		020 015		TFM		320	
FJAL-A390	R-404A	4	CF12K6E	CFV TFC TFD		015					

SystemPro™ Air-Cooled Condensing Units

To place an order determine:

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

Example: M4FH-0025 -IAA -020
Model Voltage BOM
 1+2+3 = complete model number



Electric Nomenclature

Single Phase (voltage-phase-hertz)

115-1-60	208/230-1-60	220/240-1-50	230-1-50	Motor Specifications
CAA/CFA	CAV/CFV	CAZ/CFZ		Capacitor Run - Capacitor Start (High Starting Torque)
IAA	IAV	IAZ	IAG	Induction Run - Capacitor Start (High Starting Torque)
SAA		SAZ		Induction Run - Split Phase (Low Starting Torque)

Three Phase (voltage-phase-hertz)

208/230-3-60	460-3-60	380/420-3-50
TFC	TFD	TFM

Unit Features

BOM		Suction Connections		Liquid Connections		Electrical Connections		Fan Guard	Fan Cycle Control	UL/UR
60 Hertz Sweat	50 Hertz Sweat	Suction Valve	Suction Accumulator	Base Valve	Receiver w/Valve	Power Cord	BX Conduit			
102	302					•				UR
111	311	•		•		•				UR
103	303	•			•	•				UR
212	312	•			•		•	•		UR *
216	316				•		•	•		UR *
208	308	•		•			•	•		UR *
214	314						•	•		UR *
020	320	•			•		•	•		UL
007	307				•		•	•		UL
017	317	•		•			•	•		UL
015	315	•	•		•		•	•	•	UL

* These recognized models are identical to listed models less pressure control. Need for the control is to be evaluated in the end use application. Above BOM (Bill of Material) numbers apply only to the units listed in this brochure. UL/UR are registered trademarks of Underwriters Laboratories, Inc.® UL/UR and CSA label does not apply at 50 Hertz.

SystemPro™ Air-Cooled Condensing Units

Control Data *

Horsepower	Voltage	Bill of Material	Crankcase Heater	Low Pressure Control	High/Low Pressure Control	Contactors	115 Volt Control Circuit Transformer
1/6 - 1/2	All	All	No	No	No	No	No
3/4	115 or 208/230 (1Ph)	208 212 214 216	No	No	No	No	No
3/4	115 or 208/230 (1Ph)	007 017 018 020	No	Yes	No	No	No
1	115 or 208/230 (1Ph)	007 017 018 020	Yes (1)	Yes	As required	No	No
1	208/230 (3Ph)	007 017 018 022	Yes (1)		Yes	Yes	No
1-1/4 - 1-1/2	208/230 (1Ph)	All	Yes (1)		Yes	No	No
1-1/4 - 1-1/2	208/230 (3Ph)	All	Yes (1)		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 (1)

* This data applies to units listed in this brochure only.

(1) Except units using the "R" Compressor

Application Engineering Bulletins

- 4-1273 Factors to Consider in Converting Compressor Rated Capacity to Actual Capacity
- 4-1292 Medium Temperature R-22 Copeland Compressors
- 4-1295 HFC-134A Refrigerant Guidelines
- 4-1298 Extended Medium Temperature R-404A/507 Hermetic Compressors and Condensing Units
- 4-1305 SystemPro™ AF, AR, & AS Refrigeration Hermetic 1/8-1 Horsepower Compressors
- 4-1306 Application Guidelines for RF Low Temperature Refrigeration Compressors
- 4-1307 Application Guidelines for CF Refrigeration Compressors and Condensing Units
- 11-1147 Suction Accumulators
- 17-1260 Compressor Overheating
- 17-1268 Compression Ratio as it Affects Compressor Reliability
- 22-1182 Liquid Refrigerant Control in Refrigeration and Air Conditioning Systems

For more information, visit www.copeland-corp.com, login to Online Product Information, and click on Publications Search.