

Copeland™ M-Line

Quick Selection Catalog



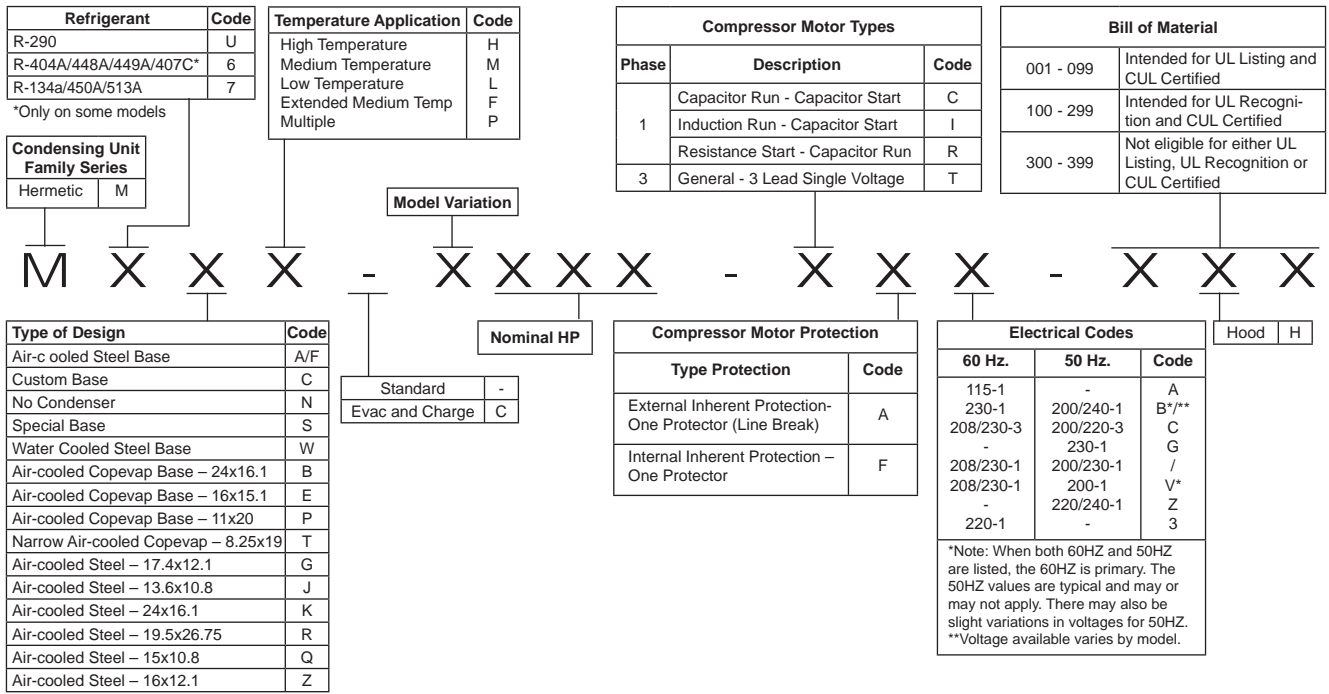
Product Information

Horsepower: 1/8 - 1 1/2

Refrigerants: R-134a, R-404A, R-407C, R-448A, R-449A



Nomenclature • M-Line Units



Bill of Materials Matrix

Features	Steel Base Standard BOMs				Condensate Base Standard BOMs						R-290 Units
	Air Cooled		Water Cooled	Dual Fan	E Base		T Base		B/P Base		
	177	179	020	072	103	111	108	118	177	179	173
Receiver W/ Valve	X		X	X	X			X	X		
Suction Valve	X	X	X	X	X	X			X	X	
Liquid Base Valve		X			X				X		
Fan Guard	X	X		X			X	X	X	X	X
End Covers				X			X	X			X
Conduit			X	X							
Power Cord	X	X		X	X	X	X	X	X	X	X
Pressure Control/EUC Adjustable Low, Fixed High			X	X							
Filter Drier	X	X		X					X	X	X
Moisture Indicator	X			X					X		
Water Valve			X								
UL Listed			X	X							
UL Recognized	X	X			X	X	X	X	X	X	X

Optional BOMs						
	020	028*	212	072	078*	272
Receiver	X	X	X	X	X	X
Suction Valve	X	X	X	X	X	X
Fan Guard	X	X	X	X	X	X
End Covers	X	X	X	X	X	X
Power Cord						
Filter Drier				X	X	X
Moisture Indicator				X	X	X
Pressure Control/EUC	X			X		
Conduit	X	X	X	X	X	X
UL Listed	X	X		X	X	
UL Recognized			X			X

Flex-Line Hoods		
Chassis	Approx. L x W (in)	Hood Part#
J	14 x 1.5	505-7066-00
Q	15.5 x 12	505-7066-00
Z	16.5 x 12.5	505-7066-00
G	19 x 14	505-7066-00
K	24 x 18	505-7066-01

* Units with a compressor RLA under 6A do not require pressure controls for UL listing. xx8 will identify units under 6A that are listed, but do not have pressure controls.

Copeland Medium - High Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Stocked BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG (65°F RG in bold/blue highlight)															
						-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	
1/8	M7JH-0012	IAA	177, 179	ARE13C4E	134a						604	695	794	902	1020	1150	1280	1430	1590	1750	
					450						528	608	695	791	894	1010	1130	1260	1400	1550	
					513						669	760	858	963	1080	1200	1330	1470	1620	1770	
	M7JH-0014	IAA	179	ARE17C4E	134a						748	855	970	1100	1230	1380	1530	1700	1870	2060	
					450						654	749	851	961	1080	1210	1350	1500	1650	1820	
					513						829	934	1050	1170	1300	1430	1580	1730	1900	2070	
1/5	M6JM-0017	IAA	177, 179	ASE12C4E	404A			785	883	989	1100	1220	1350	1480	1620	1750					
					407C						876	989	1110	1240	1380	1530	1690				
					448A 449A			685	792	907	1030	1160	1290	1430	1590	1740					
	M7JH-0018	IAA	177, 179, 078	ARE25C4E	134a						1020	1160	1310	1470	1640	1820	2020	2230	2450	2690	
					450						895	1020	1150	1290	1450	1610	1790	1980	2180	2390	
					513						1130	1260	1400	1550	1710	1890	2070	2260	2460	2670	
	M6JM-H020	IAA	177, 179	ASE12C4E	404A			855	967	1090	1230	1370	1530	1700	1880	2060					
					407C						916	1050	1200	1370	1550	1740	1960				
					448A 449A			688	815	952	1100	1250	1420	1590	1780	1970					
	M7JH-H020	IAA	177, 179	ARE25C4E	134a						1070	1230	1390	1570	1760	1970	2190	2430	2680	2960	
					450						939	1070	1220	1370	1540	1730	1920	2130	2360	2600	
					513						1190	1350	1510	1680	1870	2070	2290	2510	2760	3020	
1/4	M6JM-H023	IAA	177	ASE14C4E	404A			1060	1190	1320	1470	1640	1810	1990	2180	2380					
					448A 449A			857	1010	1160	1320	1490	1670	1870	2070	2300					
					134a						1300	1450	1630	1830	2050	2290	2540	2810	3090	3390	
	M7JH-H024	IAA	177, 179, 078	ARE29C4E	450						1140	1270	1430	1610	1800	2020	2240	2480	2730	3000	
					513						1440	1600	1770	1960	2170	2400	2640	2890	3160	3430	
					404A			1240	1490	1730	1960	2190	2420	2650	2910	3180					
	M6ZM-0025	IAV	177, 078	ASE14C4E	448A 449A						1530	1760	1990	2220	2460	2720	3010				
					134a						1450	1640	1860	2100	2360	2640	2930	3240	3570	3920	
					450						1270	1440	1640	1850	2070	2320	2580	2860	3160	3470	
	M7JH-H029	IAA	177, 179, 272	ARE35C5E	513						1560	1770	2010	2260	2530	2810	3100	3400	3710	4020	
					404A			1230	1470	1690	1900	2100	2300	2510	2730	2960					
					407C						1500	1720	1960	2220	2500	2810	3150				
M6JM-H028	IAA	177, 179	ASE20C4E	448A 449A						1510	1730	1940	2150	2370	2600	2860					
				404A			1480	1600	1770	1970	2200	2450	2710	2980	3260						
				448A 449A			1170	1330	1520	1730	1970	2230	2510	2810	3110						
1/3	M7ZH-0031	IAA	177, 197	ARE35C5E	134a						1480	1680	1910	2160	2430	2720	3030	3360	3710	4080	
					450						1290	1470	1670	1890	2130	2380	2660	2950	3260	3590	
					513						1600	1820	2060	2330	2610	2910	3230	3550	3890	4230	
	M6ZM-0032	IAA	177, 179	ASE24C5E	404A			1340	1610	1850	2070	2280	2510	2770	3080	3450					
					448A 449A			1280	1470	1670	1900	2140	2410	2690	2990	3320					
					404A			1880	1950	2070	2240	2470	2740	3050	3390	3760					
	M6JM-H035	IAV	177	ASE28C5E	407C								3460	3790	4180	4610	5070				
					448A 449A			1710	1800	1940	2120	2360	2640	2970	3340	3760					
	M6ZM-0038	IAA IAV	177	ASE28C5E	404A			1950	2030	2160	2360	2610	2910	3270	3660	4090					
					448A 449A			1750	1850	1990	2190	2440	2750	3110	3520	3990					

Copeland Medium - High Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Stocked BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG (65°F RG in bold/blue highlight)																		
						-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45				
1/2	M7ZH-0041	IAA, IAI	177, 179	ARE48C5E	134a						1980	2260	2570	2890	3240	3600	3980							
					450						1730	1980	2250	2540	2840	3170	3510							
					513						2200	2450	2740	3060	3390	3750	4120							
	M7ZH-0045	IAA	177, 179	ARE54C5E	134a						2210	2530	2870	3230	3610	4010	4420	4860	5300	5760				
					450						1940	2220	2520	2840	3180	3540	3910	4300	4710	5130				
		IAV	177								2380	2730	3090	3470	3850	4250	4650	5050	5450	5840				
	M6JM-H043	IAA	177,179	ASE39C5E	404A					2560	2730	2950	3210	3510	3830	4170	4510							
					407C										4710	5060	5400							
					448A 449A					2450	2530	2750	3070	3450	3850	4250	4620							
	M7ZH-H046	IAA	177, 179, 272	RRT62C1E	134a						2100	2380	2690	3030	3400	3790	4210	4640	5090	5550	6020			
					450						1880	2120	2400	2710	3050	3410	3790	4190	4600	5020	5460			
		IAV	177								2290	2570	2880	3230	3610	4020	4440	4870	5310	5750	6190			
	M6ZM-0048	IAA	177	ASE39C5E	404A					2580	2710	2900	3160	3460	3810	4200	4620	5050						
					448A 449A								2520	2630	2890	3240	3670	4120	4580	5000				
					404A 407C					2490	2610	2790	3020	3280	3590	3910	4250	4590						
	M6QM-H049	IAA	272	ASE39C5E	404A					2490	2610	2790	3020	3280	3590	3910	4250	4590						
					407C										4790	5130	5480							
		CAV	078								2470	2560	2790	3110	3500	3900	4310	4670						
M6ZM-H054	CAV	177	ASE39C5E	404A					2570	2740	2970	3240	3560	3910	4290	4680	5090							
				448A 449A					2090	2450	2830	3220	3610	3990	4370	4730	5070							
				134a	177, 179								2480	2810	3180	3570	4000	4450	4930	5430	5950	6450	6930	
M7ZH-H055	CAV	177	RRT64C1E	450						2260	2540	2870	3240	3630	4050	4490	4940	5400	5860	6320				
				513									2690	2990	3380	3800	4230	4690	5160	5650	6130	6590	7040	
	404A 407C	1380	1740	2100	2460	2810	3170	3530	3890	4250	4610	4980	5340											
M6ZP-0053	IAA	177	RST45C1E	404A	1380	1740	2100	2460	2810	3170	3530	3890	4250	4610	4980	5340								
				407C									2700	3070	3470	3910	4360	4840						
				448A 449A					1970	2280	2610	2960	3320	3720	4140	4590	5070							
M6ZP-H059	CAV	177	RST45C1E	404A	1410	1770	2130	2480	2840	3190	3550	3920	4290	4670	5060	5450								
				407C									2920	3320	3760	4230	4730	5250						
				448A 449A					2050	2370	2720	3090	3510	3950	4420	4930	5460							
M7GH-H057	CAA	177, 179, 272	RRT64C1E	134a						2320	2610	2950	3340	3780	4250	4760	5290	5850	6430	7020	7620			
				450									2060	2330	2630	2980	3370	3800	4260	4740	5250	5780	6320	6880
				513									2440	2780	3160	3580	4040	4530	5050	5600	6170	6750	7350	7950
M7KH-0060	CFA	177	RRT64C1E	134a						2300	2620	2970	3360	3790	4260	4760	5290	5860	6440	7060	7690			
				450									2070	2330	2640	3000	3390	3820	4280	4780	5300	5840	6390	6960
	CAV	177, 179								2470	2800	3160	3570	4020	4500	5010	5550	6120	6700	7300	7910			
M7ZP-H062	CFA	177, 272	RFT18C1E	134a	1460	1820	2180	2550	2930	3310	3710	4110	4510	4930	5350	5780								
				450	1610	2000	2400	2810	3220	3640	4060	4500	4940	5390	5840	6300								
				513	1250	1560	1880	2200	2530	2870	3220	3570	3930	4300	4680	5070								
M6GP-H064	CAA CAV	177	RST45C1E	404A	1460	1830	2210	2580	2970	3360	3760	4170	4600	5040	5490	5970								
				407C									2670	3050	3480	3960	4480	5040	5640					
	448A 449A					2120	2460	2830	3240	3690	4180	4710	5290	5900										
M7GP-H066	CFA	177	RFT18C1E	134a	1520	1890	2270	2650	3060	3470	3890	4330	4780	5240	5710	6200								
				450	1400	1720	2060	2410	2770	3140	3530	3930	4350	4780	5220	5680								
				513	1810	2230	2660	3100	3560	4030	4510	5010	5530	6050	6590	7150								
M7KH-0064	CAV	177	RRT73C1E	134a						2420	2850	3290	3760	4250	4770	5310	5890	6490	7130	7800	8490			
				450									2250	2540	2880	3260	3670	4120	4590	5090	5610	6150	6710	7280
				513										3040	3510	3990	4500	5040	5590	6170	6780	7400	8050	8710
M7ZH-H067	CFA	272	RRT81C1E	134a							2890	3240	3690	4210	4800	5420	6070	6730	7400	8070	8720			
				450										2590	2910	3330	3810	4350	4920	5530	6140	6760	7370	7970
	CFV	177, 272									3000	3300	3730	4250	4850	5500	6180	6880	7600	8310				

Copeland Medium - High Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Stocked BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG (65°F RG in bold/blue highlight)																
						-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45		
3/4	M6GP-H074	CFA CAV	177	RST55C1E	404A	1890	2260	2660	3070	3500	3950	4420	4910	5400	5910	6430						
					407C						3200	3680	4190	4730	5310	5920	6560					
					448A 449A				2680	3020	3440	3910	4440	5030	5660	6340	7060					
	M6KP-0075	CFA CAV	177, 072	RST55C1E	404A	2300	2590	2920	3290	3690	4130	4590	5080	5590	6120	6660	7210					
					407C						3220	3700	4220	4770	5360	5990	6660					
					448A 449A				2690	3040	3460	3940	4490	5090	5740	6430	7170					
	M7KH-0075	CFA	179	RRT81C1E	134a						3060	3480	4000	4600	5270	5980	6720	7470	8230	8980	9700	
		CFV	177, 072		450						2840	3270	3750	4260	4810	5390	6010	6650	7320	8020	8730	
					513						3180	3550	4050	4660	5340	6080	6850	7650	8450	9240	9990	
1	M6GP-H090	CAA CAV CFA	177	RST64C1E	404A	2650	3090	3550	4010	4490	4980	5480	6000	6520	7050	7580	8130					
					407C							4790	5410	6060	6750	7470	8220					
					448A 449A				4020	4530	5090	5680	6310	6990	7720	8500						
	M7KH-0086	CFA CFV	177, 072	RRT10K1E	134a						3840	4430	5040	5660	6290	6940	7610	8300	9010	9750	10500	
					450						3430	3970	4520	5080	5650	6250	6860	7500	8160	8850	9560	
					513						3980	4520	5110	5730	6370	7050	7760	8490	9240	10000	10800	
	M6KP-0092	CAV CFA	177, 072	RST64C1E	404A	2660	3110	3580	4050	4540	5040	5560	6090	6630	7190	7750	8330					
					407C							4830	5470	6140	6850	7600	8380					
					448A 449A				3550	4040	4570	5140	5740	6400	7100	7860	8670					
	M6KP-0095	CFV	177, 072	RST70C1E	404A	2620	3080	3570	4100	4650	5230	5820	6430	7050	7680	8310	8940					
					407C							4900	5560	6230	6940	7670	8440					
					448A 449A				3440	3990	4580	5180	5810	6460	7140	7830	8530					
M7KH-0096	CFA	072	RRT10K1E	134a						3490	4060	4690	5370	6090	6870	7690	8550	9450	10400	11400	12400	
				450						3090	3600	4160	4770	5420	6120	6860	7630	8440	9290	10200	11100	
				513						3660	4210	4820	5480	6190	6960	7770	8640	9560	10500	11600	12600	
M6KP-0102	CAV CFA	177, 072	RST64C1E	404A	2850	3350	3870	4420	4990	5600	6240	6910	7620	8370	9150	9970						
				407C							4580	5270	6020	6840	7720	8660	9680					
				448A 449A				3790	4340	4950	5600	6330	7120	8000	8960	10000						
1 1/4	M6KP-0112	CFV TAC	177, 072 072	RST70C1E	404A	2940	3460	4010	4580	5200	5840	6530	7250	8010	8810	9650	10500					
					407C							4650	5370	6120	6930	7780	8710	9700				
					448A 449A				3890	4500	5160	5860	6610	7410	8250	9140	10100					
	M6KP-0127	CFV TAC	177, 072	RST80C1E	404A	3420	3990	4610	5270	5980	6720	7510	8330	9190	10100	11000	12000					
					407C							5350	6170	7030	7940	8910	9950	11100				
					448A 449A				4470	5180	5940	6760	7620	8540	9490	10500	11500					
1 1/2	M6KP-0142	CFV TAC	177, 072	RST97C1E	404A	3970	4570	5220	5920	6670	7460	8290	9150	10000	11000	11900	12900					
					407C							6030	6940	7900	8910	9990	11100	12400				
					448A 449A				5040	5810	6620	7490	8410	9360	10300	11400	12400					

All data shown is at 90° ambient only. Check Emerson.com/OPI to confirm operation at other ambient temperatures.

Copeland Low - Extended Medium Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Stocked BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG												
						-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30
1/5	M7JP-0020	IAA	177	AFF07C1E	134a	524	614	714	825	946	1080	1220	1380	1540	1720	1910		
					450	429	507	590	679	775	879	992	1110	1250	1390	1550		
					513	546	633	729	832	944	1060	1190	1320	1470	1620	1770		
1/4	M6JL-H023	IAA	177	AFE08C4E	404A		619	698	782	872	967	1070	1170	1270	1370			
					448A 449A		615	692	785	891	1010	1140	1270	1410	1560			
					404A		651	739	834	939	1050	1170	1290	1420	1550			
1/3	M7JP-0029	IAA	177, 179	AFF10C1E	134a		783	919	1070	1230	1410	1600	1810	2020	2260			
					450		648	770	898	1030	1180	1330	1500	1680	1870			
					513		815	949	1090	1250	1410	1580	1760	1950	2150			
	M6JL-H030	IAA	177, 179	AFE11C4E	404A		853	971	1100	1240	1400	1560	1740	1920	2110			
					448A 449A		710	812	935	1080	1230	1410	1590	1790	1990			
					404A		865	987	1120	1270	1430	1610	1790	1990	2190			
1/3 +	M6ZL-0031	IAA	179	AFE11C4E	448A 449A		710	814	940	1080	1250	1430	1620	1830	2040			
					404A		1210	1390	1580	1780	2000	2240	2490	2750	3030			
					448A 449A		1040	1180	1350	1530	1730	1950	2190	2440	2700			
1/2	M6ZL-0042	IAA, IAV	177	AFE14C5E	134a	1020	1190	1380	1600	1850	2120	2400	2710	3030	3360			
					450	870	1020	1180	1380	1590	1820	2070	2340	2620	2910			
					513	1110	1290	1510	1750	2010	2300	2610	2940	3290	3650			
1/2	M6JL-H048	IAA	177, 272	AFE17C4E	404A		1360	1540	1730	1940	2150	2380	2610	2850	3090			
					448A 449A		1140	1300	1490	1700	1930	2180	2430	2700	2960			
					404A		1550	1770	2000	2240	2490	2740	3010	3270	3540			
	M6ZL-0055	IAA, IAV	177, 179	AFE20C5E	448A 449A		1350	1560	1790	2040	2300	2590	2880	3170	3460			
					404A		1380	1740	2100	2460	2810	3170	3530	3890	4250	4610	4980	5340
					407C													
1/2 +	M6ZP-0053	IAA	177	RST45C1E	448A 449A					1970	2280	2610	2960	3320	3720	4140	4590	5070
					404A		1600	1840	2080	2350	2630	2930	3230	3550	3880			
					407C													
	M6ZP-H059	CAV	177	RST45C1E	448A 449A					2050	2370	2720	3090	3510	3950	4420	4930	5460
					404A		1410	1770	2130	2480	2840	3190	3550	3920	4290	4670	5060	5450
					407C													
M6GP-H064	CAA, CAV	177	RST45C1E	404A		1460	1830	2210	2580	2970	3360	3760	4170	4600	5040	5490	5970	
				407C														
				448A 449A					2120	2460	2830	3240	3690	4180	4710	5290	5900	
M7ZP-H062	CFA	177, 272	RFT18C1E	134a	1460	1820	2180	2550	2930	3310	3710	4110	4510	4930	5350	5780		
				450	1610	2000	2400	2810	3220	3640	4060	4500	4940	5390	5840	6300		
				513	1250	1560	1880	2200	2530	2870	3220	3570	3930	4300	4680	5070		
M7GP-H066	CFA	177	RFT18C1E	134a		1520	1890	2270	2650	3060	3470	3890	4330	4780	5240	5710	6200	
				450		1300	1610	1940	2280	2620	2980	3350	3740	4130	4540	4950		
				513		1680	2090	2500	2930	3370	3820	4290	4760	5250	5750	6260		

Copeland Low - Extended Medium Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Stocked BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG													
						-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	
3/4	M6GP-H074	CFA, CAV	177	RST55C1E	404A		1890	2260	2660	3070	3500	3950	4420	4910	5400	5910	6430		
					448A 449A				2680	3020	3440	3910	4440	5030	5660	6340	7060		
	M6ZL-0078	IAV	177	RFT26C1E	404A	1790	2090	2420	2770	3130	3500	3870	4250	4610					
					448A 449A	1400	1620	1890	2200	2550	2930	3330	3770	4210					
M6GL-H079	CFA, CAV	177	RFT26C1E	404A	1860	2180	2530	2890	3280	3690	4110	4560	5020						
				448A 449A	1520	1770	2070	2420	2820	3260	3740	4250	4800						
M6KP-0075	CFA, CAV	177, 072	RST55C1E	404A		2300	2590	2920	3290	3690	4130	4590	5080	5590	6120	6660	7210		
				448A 449A				2690	3040	3460	3940	4490	5090	5740	6430	7170			
1	M6GP-H090	CAA, CAV, CFA	177	RST64C1E	404A		2650	3090	3550	4010	4490	4980	5480	6000	6520	7050	7580	8130	
					448A 449A					4020	4530	5090	5680	6310	6990	7720	8500		
	M6KP-0092	CAV, CFA	177, 072	RST64C1E	404A		2660	3110	3580	4050	4540	5040	5560	6090	6630	7190	7750	8330	
					448A 449A				3550	4040	4570	5140	5740	6400	7100	7860	8670		
M6KP-0095	CFV	177, 072	RST70C1E	404A		2620	3080	3570	4100	4650	5230	5820	6430	7050	7680	8310	8940		
				448A 449A				3440	3990	4580	5180	5810	6460	7140	7830	8530			
M6KP-0102	CAV, CFA	177, 072	RST64C1E	404A		2850	3350	3870	4420	4990	5600	6240	6910	7620	8370	9150	9970		
				448A 449A				3790	4340	4950	5600	6330	7120	8000	8960	10000			
1 1/4	M6KP-0112	CFV	177, 072	RST70C1E	404A	2940	3460	4010	4580	5200	5840	6530	7250	8010	8810	9650	10500		
					407C					4650	5370	6120	6930	7780	8710	9700			
	TAC	072	RST70C1E	448A 449A				3890	4500	5160	5860	6610	7410	8250	9140	10100			
				404A	2840	3310	3820	4350	4900	5470	6040	6630	7210						
M6KL-0123	CFV	072	RFT42C1E	448A 449A	2660	2900	3270	3720	4250	4840	5460	6110	6780						
				404A		3420	3990	4610	5270	5980	6720	7510	8330	9190	10100	11000	12000		
M6KP-0127	CFV, TAC	177, 072	RST80C1E	448A 449A					4470	5180	5940	6760	7620	8540	9490	10500	11500		
				404A															
1 1/2	M6KP-0142	CFV, TAC	177, 072	RST97C1E	404A		3970	4570	5220	5920	6670	7460	8290	9150	10000	11000	11900	12900	
					448A 449A					5040	5810	6620	7490	8410	9360	10300	11400	12400	

All data shown is at 90° ambient only. Check Emerson.com/OPI to confirm operation at other ambient temperatures.

Copevap Medium Temp - High Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Standard BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG (65°F RG in blue/bold highlight)											
						-10	-5	0	5	10	15	20	25	30	35	40	45
1/8	M7TH-0012	IAA	108, 118	ARE13C4E	134a			626	721	825	939	1060	1200	1350	1500	1680	1860
					450			547	630	721	821	931	1050	1180	1320	1470	1630
					513			695	791	896	1010	1130	1270	1410	1570	1730	1910
	M7PH-0012	IAA	177, 179	ARE13C4E	134a			630	727	832	948	1070	1210	1360	1520	1700	1890
					450			550	635	727	828	939	1060	1190	1340	1490	1660
					513			701	799	905	1020	1150	1280	1430	1590	1760	1950
1/6	M7TH-0015	IAA	108, 118	ARE17C4E	134a			775	887	1010	1140	1290	1440	1610	1790	1980	2190
					450			677	776	883	1000	1130	1260	1410	1570	1740	1930
					513			861	974	1100	1230	1370	1520	1680	1860	2040	2240
	M7PH-0015	IAA	177, 179	ARE17C4E	134a			781	895	1020	1150	1300	1460	1630	1820	2010	2230
					450			682	782	890	1010	1140	1280	1430	1590	1770	1950
					513			869	984	1110	1240	1390	1540	1710	1890	2080	2280
M7EH-H016	IAA	103, 111	ARE17C4E	134a			790	906	1030	1170	1320	1480	1660	1850	2050	2270	
				450			688	789	900	1020	1150	1290	1450	1620	1800	1990	
				513			879	996	1120	1260	1410	1570	1750	1930	2130	2340	
1/5	M6TM-0020	IAA	108, 118	ASE12C4E	404A	841	950	1070	1200	1350	1500	1660	1830	2010			
					407C			911	1040	1170	1320	1490	1660	1840			
					448A 449A	681	806	939	1080	1230	1390	1560	1740	1930			
	M6PM-0020	IAA	177, 179	ASE12C4E	404A	855	967	1090	1230	1370	1530	1700	1880	2060			
					407C			921	1050	1190	1340	1510	1690	1880			
					448A 449A	688	815	952	1100	1250	1420	1590	1780	1970			
	M6EM-0020	IAA	103, 111	ASE12C4E	404A	863	978	1110	1250	1400	1570	1750	1940	2140			
					407C			927	1060	1210	1360	1540	1730	1930			
					448A 449A	688	815	952	1100	1250	1420	1590	1780	1970			
	M7TH-0020	IAA	108, 118	ARE25C4E	134a			1060	1210	1370	1550	1730	1940	2150	2390	2640	2900
					450			931	1060	1200	1360	1520	1700	1890	2100	2320	2560
					513			1180	1330	1490	1660	1840	2030	2240	2460	2700	2950
134a							1070	1230	1390	1570	1760	1970	2190	2430	2680	2960	
450							939	1070	1220	1370	1540	1730	1920	2130	2360	2600	
513							1190	1350	1510	1680	1870	2070	2290	2510	2760	3020	
M7EH-0020	IAA	103, 111	ARE25C4E	134a			1070	1230	1390	1570	1760	1970	2190	2430	2680	2960	
				450			939	1070	1220	1370	1540	1730	1920	2130	2360	2600	
				513			1190	1350	1510	1680	1870	2070	2290	2510	2760	3020	
				134a			1070	1230	1390	1570	1760	1970	2190	2430	2680	2960	
				450			939	1070	1220	1370	1540	1730	1920	2130	2360	2600	
				513			1190	1350	1510	1680	1870	2070	2290	2510	2760	3020	
M7PH-0020	IAA	177, 179	ARE25C4E	134a			1070	1230	1390	1570	1760	1970	2190	2430	2680	2960	
				450			939	1070	1220	1370	1540	1730	1920	2130	2360	2600	
				513			1190	1350	1510	1680	1870	2070	2290	2510	2760	3020	
				134a			1070	1230	1390	1570	1760	1970	2190	2430	2680	2960	
				450			939	1070	1220	1370	1540	1730	1920	2130	2360	2600	
				513			1190	1350	1510	1680	1870	2070	2290	2510	2760	3020	
1/4	M6TM-0022	IAA	108, 118	ASE14C4E	404A	1040	1160	1300	1450	1600	1760	1940	2120	2310			
					448A 449A	848	995	1150	1300	1470	1640	1830	2030	2240			
					404A	1060	1190	1320	1470	1640	1810	1990	2180	2380			
	M6PM-0023	IAA	177, 179	ASE14C4E	448A 449A	857	1010	1160	1320	1490	1670	1870	2070	2300			
					404A	1070	1200	1350	1510	1680	1870	2060	2280	2500			
					448A 449A	857	1010	1160	1320	1490	1670	1870	2070	2300			
	M7TH-0023	IAA	108, 118	ARE29C4E	134a			1280	1440	1610	1800	2020	2250	2490	2750	3020	3300
					450			1120	1260	1410	1590	1770	1980	2200	2430	2670	2930
					513			1420	1570	1740	1930	2130	2350	2580	2820	3070	3330
					134a			1300	1450	1630	1830	2050	2290	2540	2810	3090	3390
					450			1140	1270	1430	1610	1800	2020	2240	2480	2730	3000
					513			1440	1600	1770	1960	2170	2400	2640	2890	3160	3430
M7EH-0024	IAA	103, 111	ARE29C4E	134a			1300	1450	1630	1830	2050	2290	2540	2810	3090	3390	
				450			1140	1270	1430	1610	1800	2020	2240	2480	2730	3000	
				513			1440	1600	1770	1960	2170	2400	2640	2890	3160	3430	
				134a			1300	1450	1630	1830	2050	2290	2540	2810	3090	3390	
				450			1140	1270	1430	1610	1800	2020	2240	2480	2730	3000	
				513			1440	1600	1770	1960	2170	2400	2640	2890	3160	3430	

Copevap Medium Temp - High Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Standard BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG (65°F RG in blue/bold highlight)												
						-10	-5	0	5	10	15	20	25	30	35	40	45	
1/3	M6TM-0027	IAA	108, 118	ASE20C4E	404A	1190	1410	1610	1800	1990	2170	2360	2550	2760				
					407C			911	1040	1170	1320	1490	1660	1840				
					448A 449A	983	1220	1440	1650	1840	2040	2240	2450	2690				
	M6PM-0030	IAA	177, 179	ASE24C5E	404A	1290	1560	1790	1990	2180	2390	2620	2890	3210				
					448A 449A	1260	1440	1640	1850	2070	2320	2580	2860	3160				
	M7TH-0028	IAA	108, 118	ARE35C5E	134a			1430	1620	1830	2070	2320	2590	2870	3170	3490	3830	
					450			1250	1420	1610	1820	2040	2280	2540	2810	3090	3400	
					513			1530	1740	1970	2220	2480	2750	3030	3310	3600	3900	
	M7EH-0029	IAA	103, 111	ARE35C5E	134a			1450	1640	1860	2100	2360	2640	2930	3240	3570	3920	
					450			1270	1440	1640	1850	2070	2320	2580	2860	3160	3470	
					513			1560	1770	2010	2260	2530	2810	3100	3400	3710	4020	
	M7PH-0029	IAA	177, 179	ARE35C5E	134a			1450	1640	1860	2100	2360	2640	2930	3240	3570	3920	
450							1270	1440	1640	1850	2070	2320	2580	2860	3160	3470		
513							1560	1770	2010	2260	2530	2810	3100	3400	3710	4020		
M7EH-H044	IAA	103, 111	RRT62C1E	134a			1470	1680	1900	2150	2410	2700	3010	3330	3680	4040		
				450		1790	2070	2360	2660	2980	3310	3660	4030	4410	4820	5250		
				513		2080	2430	2770	3110	3470	3830	4210	4600	5010	5430	5870		
M6EM-H032	CAA	103, 111	ASE20C4E	404A	1440	1560	1720	1910	2130	2370	2630	2890	3150					
				448A 449A	1150	1310	1490	1700	1930	2180	2450	2730	3020					
1/3+	M6EM-H040	IAA	103, 111	ASE28C5E	404A	1960	2030	2150	2340	2580	2870	3200	3580	4000				
					448A 449A	1940	1880	1950	2140	2420	2750	3120	3520	3910				
					134a			1930	2200	2490	2800	3120	3450	3800	4170	4540	4930	
	M7EH-0037	IAA	103, 111	ARE48C5E	450			1690	1940	2190	2470	2750	3060	3370	3710	4050	4410	
					513			2070	2370	2680	2990	3320	3650	3980	4310	4640	4960	
					134a			1930	2200	2490	2800	3120	3450	3800	4170	4540	4930	
M7PH-0038	IAA	177, 179	ARE48C5E	450			1690	1940	2190	2470	2750	3060	3370	3710	4050	4410		
				513			2070	2370	2680	2990	3320	3650	3980	4310	4640	4960		
				134a			2140	2450	2770	3110	3460	3830	4210	4590	4980	5380		
M7PH-0042	IAA	177, 179	ARE54C5E	450			1890	2160	2450	2750	3070	3400	3740	4100	4460	4840		
				513			2300	2630	2970	3320	3670	4020	4370	4710	5030	5340		
1/2	M6EM-H051	IAA	103, 111	ASE39C5E	404A	2550	2670	2860	3100	3390	3720	4090	4480	4890				
					448A 449A		2500	2610	2860	3210	3620	4060	4500	4910				
					134a		2460	2780	3140	3530	3940	4380	4820	5270	5730	6170	6610	
M7EH-H053	IFA	103, 111	RRT64C1E	450			2190	2480	2800	3150	3520	3920	4330	4740	5160	5580	5990	
				513			2560	2910	3300	3700	4130	4560	5000	5430	5860	6270	6660	
				134a	2300	2620	2970	3360	3790	4260	4760	5290	5860	6440	7060	7690		
1/2+	M7BH-0060	CFA, CAV	177	RRT64C1E	450	2070	2330	2640	3000	3390	3820	4280	4780	5300	5840	6390	6960	
513					2470	2800	3160	3570	4020	4500	5010	5550	6120	6700	7300	7910		
3/4	M7BH-0075	CFA, CFV	177	RRT81C1E	134a			3060	3480	4000	4600	5270	5980	6720	7470	8230	8980	9700
					450			2840	3270	3750	4260	4810	5390	6010	6650	7320	8020	8730
					513			3180	3550	4050	4660	5340	6080	6850	7650	8450	9240	9990

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Copevap Low - Extended Medium Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Standard BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG (65°F RG in bold/blue highlight)												
						-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30
1/5	M6TL-0018	IAA	108, 118	AFE06C4E	404A	512	582	661	748	842	943	1050	1160	1280				
					448A 449A	418	478	552	638	735	843	960	1090	1220				
					134a	548	643	749	867	997	1140	1300	1470	1650	1850	2060		
	M7EP-0021	IAA	103, 111	AFF07C1E	450	468	550	639	735	839	954	1080	1220	1370	1530	1710		
					513	600	695	800	915	1040	1170	1320	1470	1640	1810	2000		
					134a	544	638	743	859	987	1130	1280	1450	1630	1820	2030		
	M7TP-0020	IAA	108, 118	AFF07C1E	450	465	547	635	730	834	946	1070	1200	1350	1510	1680		
					513	595	690	794	907	1030	1160	1300	1450	1620	1790	1970		
					134a	548	643	749	867	997	1140	1300	1470	1650	1850	2060		
	M7PP-0021	IAA	177, 179	AFF07C1E	450	446	526	612	705	807	918	1040	1170	1320	1480	1650		
					513	569	661	762	873	994	1120	1260	1410	1570	1740	1920		
					404A	645	731	825	927	1030	1150	1270	1390	1520				
M6TL-0022	IAA	108, 118	AFE08C4E	448A 449A	605	692	796	917	1050	1200	1360	1520	1700					
				404A	651	739	834	939	1050	1170	1290	1420	1550					
				448A 449A	609	698	804	926	1060	1210	1380	1550	1730					
1/4	M6PL-0023	IAA	177, 179	AFE08C4E	404A	840	955	1080	1220	1370	1530	1700	1880	2060				
					448A 449A	703	804	925	1060	1220	1380	1560	1750	1950				
	M6TL-0029	IAA	108, 118	AFF11C4E	448A 449A	853	971	1100	1240	1400	1560	1740	1920	2110				
1/3	M6EL-0030	IAA	103, 111	AFE11C4E	404A	853	971	1100	1240	1400	1560	1740	1920	2110				
					448A 449A	710	812	935	1080	1230	1410	1590	1790	1990				
					404A	853	971	1100	1240	1400	1560	1740	1920	2110				
	M6PL-0030	IAA	177, 179	AFE11C4E	448A 449A	710	812	935	1080	1230	1410	1590	1790	1990				
					134a	824	969	1130	1310	1500	1710	1940	2190	2450	2730	3030		
					450	711	840	978	1130	1280	1460	1640	1850	2070	2300	2550		
	M7TP-0032	IAA	108, 118	AFF10C1E	513	905	1050	1210	1390	1570	1770	1980	2210	2440	2690	2950		
					134a	834	982	1150	1330	1530	1740	1980	2230	2500	2790	3100		
					450	717	848	987	1140	1300	1480	1670	1870	2100	2340	2600		
	M7EP-0032	IAA	103, 111	AFF10C1E	513	916	1070	1230	1410	1600	1800	2020	2250	2490	2750	3020		
					134a	834	982	1150	1330	1530	1740	1980	2230	2500	2790	3100		
					450	717	848	987	1140	1300	1480	1670	1870	2100	2340	2600		
M7PP-0032	IAA	177, 179	AFF10C1E	513	916	1070	1230	1410	1600	1800	2020	2250	2490	2750	3020			
				134a	834	982	1150	1330	1530	1740	1980	2230	2500	2790	3100			
				450	717	848	987	1140	1300	1480	1670	1870	2100	2340	2600			
1/3+	M7PP-0034	IAA	177, 179	AFF13C1E	450	835	986	1150	1320	1510	1710	1930	2160	2420	2690	2990		
					513	1060	1240	1420	1630	1840	2080	2320	2580	2860	3150	3450		
					134a	984	1160	1350	1560	1800	2050	2330	2630	2950	3290	3650		
	M7EP-H036	IAA	103, 111	AFF13C1E	450	846	1000	1160	1340	1530	1740	1960	2210	2470	2760	3070		
					513	1080	1260	1450	1660	1890	2130	2380	2660	2950	3250	3570		
					404A	1160	1330	1500	1690	1880	2090	2310	2530	2760				
	M6TL-0040	IAA	108, 118	AFE14C5E	448A 449A	1020	1150	1310	1480	1670	1870	2080	2300	2530				
					404A	1190	1350	1530	1730	1930	2150	2370	2610	2860				
					448A 449A	1030	1170	1330	1500	1700	1900	2120	2360	2600				
	M6EL-0041	IAA	103, 111	AFE14C5E	404A	1190	1350	1530	1730	1930	2150	2370	2610	2860				
					448A 449A	1030	1170	1330	1500	1700	1900	2120	2360	2600				
					404A	1190	1350	1530	1730	1930	2150	2370	2610	2860				
M6PL-0041	IAA	177, 179	AFE14C5E	448A 449A	1030	1170	1330	1500	1700	1900	2120	2360	2600					
				404A	1190	1350	1530	1730	1930	2150	2370	2610	2860					
				448A 449A	1030	1170	1330	1500	1700	1900	2120	2360	2600					

Copevap Low - Extended Medium Temp / Air Cooled - 90°F Ambient

Nom HP	Model	Elec	Standard BOMS	Comp	Refrig	BTU/Hr SST, 40°F RG (65°F RG in bold/blue highlight)											
						-30	-25	-20	-15	-10	-5	0	5	10	15	20	25
1/2	M6TL-0051	IAA	108, 118	AFE20C5E	404A	1520	1730	1940	2170	2410	2650	2890	3140	3380			
					448A	1330	1520	1750	1990	2240	2510	2790	3070	3350			
					449A												
	M6EL-0052	IAA	103, 111	AFE20C5E	404A	1550	1770	2000	2240	2490	2740	3010	3270	3540			
					448A	1350	1540	1740	1970	2210	2460	2730	3000	3270			
					449A												
M6PL-0052	IAA	177, 179	AFE20C5E	404A	1550	1770	2000	2240	2490	2740	3010	3270	3540				
				448A	1350	1540	1740	1970	2210	2460	2730	3000	3270				
				449A													
3/4	M6BP-0064	CAA, CAV	177, 272	RST45C1E	404A	1470	1840	2220	2600	2980	3380	3790	4200	4640	5090	5560	6050
					407C						2680	3060	3500	3990	4520	5090	5700
					448A				2120	2460	2840	3260	3710	4210	4750	5340	5970
					449A												
	M6EL-0060	CAA	103, 111	AFE23C5E	404A	2000	2270	2550	2850	3170	3500	3500	3500	3500			
					448A	1610	1860	2130	2420	2720	3030	3360	3690	4020			
				449A													
M6PL-0060	CAV	078, 177	AFE23C5E	404A	2000	2270	2550	2850	3170	3500	3500	3500	3500				
				448A	1560	1790	2050	2340	2640	2960	3290	3630	3980				
				449A													
3/4	M6BP-0075	CFA, CAV	177, 272	RST55C1E	404A	2300	2590	2920	3290	3690	4130	4590	5080	5590	6120	6660	7210
					407C						3220	3700	4220	4770	5360	5990	6660
					448A				2690	3040	3460	3940	4490	5090	5740	6430	7170
				449A													
3/4+	M6BP-0092	CFA, CAV	177, 272	RST64C1E	404A	2660	3110	3580	4050	4540	5040	5560	6090	6630	7190	7750	8330
					407C							4830	5470	6140	6850	7600	8380
					448A				3550	4040	4570	5140	5740	6400	7100	7860	8670
				449A													
1	M6BP-0106	CFV	177, 179, 272	RST80C1E	404A	3150	3650	4170	4720	5300	5900	6520	7160	7810	8460	9120	9800
					407C							5560	6290	7030	7800	8590	9410
					448A					4580	5200	5850	6520	7230	7960	8720	9500
				449A													
1 1/4	M6BL-0123	CFA, CFV	177, 272	RFT42C1E	404A	2840	3310	3820	4350	4900	5470	6040	6630	7210			
					448A	2660	2900	3270	3720	4250	4840	5460	6110	6780			
				449A													

All data shown is at 90° ambient only. Check Emerson.com/OPI to confirm operation at other ambient temperatures.

Medium Temp - High Temp / Water Cooled

Nom HP	Model	Elec	Standard BOMS	Comp	Refrig	BTU/H at 105° condensing, 75° water inlet - evaporator temp (°F), 40°F RG (65°F RG in bold/blue highlight)											Water flow (GPM) @ evap temp (°F)				
						-10	-5	0	5	10	15	20	25	30	35	40	45	0	25	45	
1/5	M6WH-0021	IAA	020	ASE12C4E	404A		914	1040	1190	1350	1520	1710	1910					0.2	0.3		
					448A		795	940	1100	1270	1450	1650	1860					0.1	0.3		
					449A																
1/4	M6WH-0023	IAA	020	ASE14C4E	404A		1150	1300	1460	1640	1840	2050	2290					0.2	0.3		
					448A		1000	1170	1350	1540	1750	1980	2230					0.2	0.3		
	M7WH-0026	IAA	020	ARE29C4E	134a			1270	1430	1620	1840	2090	2360	2660	2990	3340	3710	0.2	0.3	0.5	
					450			1100	1250	1410	1600	1820	2060	2320	2600	2900	3230	0.2	0.3	0.4	
					513			1420	1590	1780	2000	2240	2510	2810	3140	3480	3860	0.2	0.3	0.5	
					134a			1430	1640	1880	2150	2440	2760	3110	3490	3900	4340	0.2	0.4	0.6	
	M7WH-0033	IAA	020	ARE35C5E	450			1240	1430	1640	1870	2130	2400	2710	3040	3400	3780	0.2	0.3	0.5	
					513			1550	1780	2040	2330	2650	2990	3350	3740	4160	4600	0.2	0.4	0.6	
					404A	1180	1420	1650	1870	2110	2350	2620	2910	3230				0.3	0.4		
					407C			1420	1480	1700	1950	2210	2510	2830				0.2	0.4		
M6WH-0025	IAA	020	ASE20C4E	448A													0.2	0.4			
				449A	983	1240	1480	1730	1980	2240	2520	2830	3180				0.2	0.4			
1/3	M6WH-0036	IAA, IAI	020	ASE24C5E	404A	1270	1560	1820	2050	2290	2550	2850	3220	3680				0.3	0.5		
					448A	1280	1480	1710	1960	2240	2550	2880	3250	3650				0.2	0.4		
					449A																
	M7WH-0040	IAA	020	ARE40C4E	134a			1700	1950	2240	2550	2890	3270	3670	4100	4560	5040	0.2	0.5	0.7	
					450			1480	1700	1950	2220	2520	2850	3200	3570	3970	4390	0.2	0.4	0.6	
1/2	M7WH-0049	IAV	020	ARE51C4E	513			1910	2170	2450	2760	3110	3480	3880	4300	4760	5240	0.3	0.5	0.7	
					134a			2030	2330	2670	3040	3460	3920	4410	4940	5510	6120	0.3	0.6	0.9	
					450			1760	2030	2320	2650	3010	3410	3840	4300	4800	5330	0.3	0.5	0.8	
					513			2390	2710	3070	3460	3900	4370	4890	5450	6040	6680	0.4	0.6	0.9	
					404A	2020	2170	2390	2680	3030	3460	3960						0.3	0.6		
	M6WH-0043	IAA, IAV	020	ASE28C5E	448A													0.3	0.5		
					449A	1920	2030	2270	2610	3020	3490	3990						0.3	0.5		
	M7WH-0050	IAA, IAV	020	RRT62C1E	134a			1990	2350	2730	3150	3590	4080	4610	5180	5800	6480	7210	0.3	0.6	1
					450			1780	2090	2430	2800	3200	3630	4100	4610	5170	5770	6430	0.3	0.6	0.9
513							2100	2510	2940	3390	3870	4380	4930	5530	6180	6880	7640	0.4	0.7	1	
M6WH-0050	CAA, CAV	020	ASE32C5E	404A	2210	2390	2610	2900	3250	3650	4110	4620	5200				0.4	0.6			
				448A	2270	2280	2460	2760	3170	3640	4160	4690	5200				0.3	0.6			
M6WH-0050	CAA, CAV	020	ASE32C5E	449A																	
1/2+	M7WH-0056	IFA, IAV	020	RRT64C1E	134a			2500	2870	3300	3770	4300	4880	5510	6190	6930	7730	8580	0.4	0.8	1.1
					450			2230	2560	2940	3360	3830	4340	4910	5520	6180	6880	7640	0.4	0.7	1
					513			2630	3070	3540	4060	4620	5230	5890	6610	7380	8200	9090	0.4	0.8	1.2
3/4	M7WM-0075	CFA, CFV	020	RRT10K1E	134a			3770	4410	5110	5870	6700	7580	8530	9520	10600	11700	12800	0.6	1.1	1.6
					450			3350	3920	4550	5230	5970	6760	7590	8480	9420	10400	11400	0.5	1	1.4
					513			3920	4540	5230	5980	6800	7690	8660	9710	10800	12100	13400	0.7	1.2	1.7

Low - Extended Medium Temp / Water Cooled

Nom HP	Model	Elec	Standard BOMS	Comp	Refrig	BTU/H at 105° condensing, 75° water inlet - evaporator temp (°F), 40°F RG (65°F RG in bold/blue highlight)												Water flow (GPM) @ evap temp (°F)					
						-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	0	25	45		
1/4	M6WL-0025	IAA	020	AFE08C4E	404A		613	700	797	902	1020	1140	1270	1410	1560				0.1	0.2	0.2		
					448A		588	679	789	917	1060	1220	1400	1600	1810				0.1	0.1	0.2		
					449A																		
1/3	M6WL-0033	IAA	020	AFE11C4E	404A		801	924	1060	1210	1380	1560	1750	1960	2180				0.1	0.2	0.3		
					448A		691	797	926	1080	1250	1440	1650	1880	2120				0.1	0.2	0.3		
					449A																		
1/3+	M6WL-0040	IAA	020	AFE14C5E	404A		1150	1330	1530	1750	1980	2240	2520	2820	3150				0.2	0.3	0.4		
					448A		1020	1180	1350	1550	1770	2010	2280	2570	2900				0.2	0.2	0.4		
					449A																		
1/2	M6WL-0051	IAA	020	AFE17C4E	404A		1420	1630	1870	2130	2420	2730	3070	3430	3810				0.2	0.3	0.5		
					448A		1260	1460	1700	1980	2290	2630	2980	3360	3750				0.2	0.3	0.5		
					449A																		
1/2+	M6WF-0056	IAA IAV	020	RST45C1E	404A		1490	1770	2080	2430	2820	3230	3690	4180	4710	5270	5860	6500	0.3	0.4	0.6		
					407C						2420	2510	2930	3400	3920	4510	5140				0.5		
					448A 449A				2150	2500	2890	3330	3830	4390	5030	5740	6540				0.3	0.6	
	M6WL-0067	CFA	020	RFT26C1E	404A	1750	2040	2360	2710	3100	3520	3980	4500	5060						0.3	0.5	0.7	
					448A 449A	1470	1720	2040	2410	2840	3330	3870	4470	5130							0.3	0.4	0.7
3/4	M6WF-0075	CFA CAV	020	RST55C1E	404A		1690	2100	2530	3000	3500	4040	4620	5230	5890	6580	7320	8110	0.3	0.5	0.7		
					407C						3160	3310	3850	4430	5080	5790	6580				0.6		
					448A 449A				2640	3070	3560	4100	4710	5410	6190	7060	8050				0.4	0.7	
	M6WL-0075	CFA IAV	020	RST64C1E	404A		2550	3050	3570	4120	4700	5330	5990	6710	7480	8310	9210	10200	0.4	0.6	1.0		
					407C						4000	4200	4880	5620	6440	7350	8350				0.7		
					448A 449A				3720	4300	4930	5630	6420	7300	8280	9390	10600				0.6	0.9	
1	M6WF-0106	CAV	020	RST64C1E	404A		2470	2970	3510	4090	4720	5390	6110	6870	7680	8530	9420	10400	0.4	0.6	1.0		
					407C						4310	4520	5230	6010	6860	7800	8840				0.8		
					448A 449A				3520	4070	4720	5470	6310	7250	8270	9400	10600				0.5	0.9	
	M6WL-0105	CFV TAC	020	RST80C1E	404A		3080	3650	4280	4960	5710	6520	7380	8300	9280	10300	11400	12600	0.5	0.7	1.1		
					407C						5080	5340	6190	7100	8080	9150	10300				0.9		
					448A 449A				4420	5180	6000	6900	7860	8890	9990	11100	12400				0.7	1.1	
1 1/4	M6WF-0125	CFV TAC	020	RST70C1E	404A		2560	3080	3640	4230	4860	5530	6250	7020	7850	8740	9690	10700	0.4	0.6	1.0		
					407C						4360	4580	5320	6100	6940	7860	8870				0.8		
					448A 449A				3800	4450	5150	5900	6720	7600	8540	9550	10600				0.6	0.9	
	M6WF-0126	CFV TAC	020	RST80C1E	404A		3050	3610	4240	4920	5650	6450	7310	8220	9190	10200	11300	12500	0.5	0.7	1.1		
					407C						5080	5340	6190	7100	8080	9150	10300				0.9		
					448A 449A				4420	5180	6000	6900	7860	8890	9990	11100	12400				0.7	1.1	

*115v data shown. 230v data may vary slightly within 1%.

Physical and Electrical Data

Copeland air-cooled condensing units

Model	Compressor Electrical	Length	Width	Height	Refrigerant Connections ^A		Receiver Capacity (Lbs @ 90% Volume)					MCA	Max Over-current Protection	Approx. Ship Weight
					Liquid	Suction	134a	404A	407C	448/449	450			
M6GL-H079-CFA	RFT26C1E-CFA	18.86	14.34	11.79	3/8	1/2	1.3	1.4	1.4			15.1	20	60
M6GL-H079-CAV	RFT26C1E-CAV	18.86	14.34	11.79	3/8	1/2	1.3	1.4	1.4			9	15	68
M6GP-H064-CAA	RST45C1E-CAA	18.86	14.34	11.79	3/8	1/2	1.3	1.4	1.4			14.8	20	42
M6GP-H064-CAV	RST45C1E-CAV	18.86	14.34	11.79	3/8	1/2	1.3	1.4	1.4			7.6	15	68
M6GP-H074-CFA	RST55C1E-CFA	18.86	14.34	11.79	3/8	1/2	1.3	1.4	1.4			20.5	30	86
M6GP-H074-CAV	RST55C1E-CAV	18.86	14.34	11.79	3/8	1/2	1.3	1.4	1.4			9.5	15	62
M6GP-H090-CAV	RST64C1E-CAV	18.82	14.34	12.29	3/8	1/2	1.3	1.4	1.4			12.3	20	42
M6GP-H090-CFA	RST64C1E-CFA	18.82	14.34	12.29	3/8	1/2	1.3	1.4	1.4			20	30	70
M6JL-0021-IAA	AFE08C4E-IAA	14.10	11.45	11.37	1/4	3/8	1.3	1.4	1.4			5.5	15	46
M6JL-H023-IAA	AFE08C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.3	1.4	1.4			5.5	15	
M6JL-H030-IAA	AFE11C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.3	1.4	1.4			5.9	15	43
M6JL-H048-IAA	AFE17C4E-IAA	14.39	11.57	11.37	1/4	3/8	1.3	1.4	1.4			10.4	15	39
M6JL-H048-IAV	AFE17C4E-IAV	14.39	11.57	11.37	1/4	3/8	1.3	1.4	1.4			5.6	15	
M6JL-H052-IAA	AFE20C5E-IAA	14.40	11.45	11.37	1/4	3/8	1.3	1.4	1.4			8.5	15	
M6JM-0017-IAA	ASE12C4E-IAA	14.10	11.45	11.37	1/4	3/8	1.3	1.4	1.4			5.7	15	39
M6JM-H020-IAA	ASE12C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.3	1.4	1.4			5.7	15	52
M6JM-H023-IAA	ASE14C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.3	1.4	1.4			6.7	15	52
M6JM-H028-IAA	ASE20C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.3	1.4	1.4			8.2	15	50
M6JM-H035-IAA	ASE28C5E-IAA	14.39	11.57	11.37	1/4	3/8	1.3	1.4	1.4			9.7	15	50
M6JM-H035-IAV	ASE28C5E-IAV	14.39	11.57	11.37	1/4	3/8	1.3	1.4	1.4			5.6	15	50
M6JM-H043-IAA	ASE39C5E-IAA	14.40	11.45	11.37	1/4	3/8	1.3	1.4	1.4			13.2	20	40
M6KL-0123-CFV	RFT42C1E-PFV	24.00	16.39	13.08	3/8	1/2	2.8	3.1	3			11.2	15	103
M6KP-0075-CFA	RST55C1E-CFA	24.00	16.41	13.08	3/8	1/2	2.8	3.1	3			20.8	30	96
M6KP-0075-CAV	RST55C1E-CAV	24.00	16.39	13.08	1/4	1/2	2.8	3.1	3			9.7	15	85
M6KP-0092-CAV	RST64C1E-CAV	24.00	16.39	13.08	1/4	1/2	2.8	3.1	3			12.4	20	72
M6KP-0092-CFA	RST64C1E-CFA	24.00	16.39	13.08	3/8	1/2	2.8	3.1	3			20.3	30	84
M6KP-0095-CFV	RST70C1E-PFV	24.00	16.39	13.08	3/8	5/8	2.8	3.1	3			10.8	15	62
M6KP-0102-CAV	RST64C1E-CAV	24.00	18.42	16.16	3/8	1/2	4.9	5.3	5.1			12.7	20	60
M6KP-0102-CFA	RST64C1E-CFA	24.00	18.30	16.16	3/8	1/2	4.9	5.3	5.1			20.7	30	75
M6KP-0112-CFV	RST70C1E-PFV	24.00	18.45	16.16	3/8	5/8	4.9	5.3	5.1			11	15	62
M6KP-0112-TAC	RST70C1E-TA5	24.00	18.33	16.16	3/8	5/8	4.9	5.3	5.1			8.3	15	42
M6KP-0127-CFV	RST80C1E-PFV	24.00	18.45	16.16	3/8	5/8	4.9	5.3	5.1			13	20	103
M6KP-0127-TAC	RST80C1E-TA5	24.00	18.33	16.16	3/8	5/8	4.9	5.3	5.1			8.5	15	60
M6KP-0142-CFV	RST97C1E-PFV	24.00	18.45	16.16	3/8	5/8	4.9	5.3	5.1			13.9	20	97
M6KP-0142-TAC	RST97C1E-TA5	24.00	18.33	16.16	3/8	5/8	4.9	5.3	5.1			8.9	15	101
M6QM-H049-CAV	ASE39C5E-CAV	15.66	12.01	11.37	1/4	3/8	1.3	1.4	1.4			7.7	15	60
M6QM-H049-IAA	ASE39C5E-IAA	15.67	12.12	11.37	1/4	3/8	1.3	1.4	1.4			13.4	20	55
M6ZL-0031-IAA	AFE11C4E-IAA	16.17	13.38	11.73	1/4	3/8	1.3	1.4	1.4			6.1	15	43
M6ZL-0042-IAA	AFE14C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			8.4	15	59
M6ZL-0042-IAV	AFE14C5E-IAV	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			4.4	15	62
M6ZL-0055-IAA	AFE20C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			8.8	15	60
M6ZL-0055-IAV	AFE20C5E-IAV	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			6	15	53
M6ZL-0078-IAV	RFT26C1E-IAV	17.36	13.55	11.75	3/8	1/2	1.3	1.4	1.4			8.6	15	39
M6ZM-0025-IAV	ASE20C4E-IAV	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			4.4	15	45
M6ZM-0032-IAA	ASE24C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			8.6	15	45
M6ZM-0038-IAA	ASE28C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			9.9	15	46
M6ZM-0038-IAV	ASE28C5E-IAV	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			5.6	15	42
M6ZM-0048-IAA	ASE39C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.3	1.4	1.4			13.4	20	61
M6ZM-H026-CAA	ASE20C4E-CAA	16.52	12.79	11.71	1/4	3/8	1.3	1.4	1.4			7.8	15	64
M6ZM-H054-CAV	ASE39C5E-CAV	16.58	12.79	11.71	1/4	3/8	1.3	1.4	1.4			7.7	15	75
M6ZP-0053-IAA	RST45C1E-IAA	17.36	13.52	11.75	3/8	1/2	1.3	1.4	1.4			14	20	70
M6ZP-0053-IAV	RST45C1E-IAV	17.36	13.55	11.75	3/8	1/2	1.3	1.4	1.4			7.2	15	42

Physical and Electrical Data

Copeland air-cooled condensing units

Model	Compressor Electrical	Length	Width	Height	Refrigerant Connections [^]		Receiver Capacity (Lbs @ 90% Volume)					MCA	Max Over-current Protection	Approx. Ship Weight	
					Liquid	Suction	134a	404A	407C	448/449	450				513
M6ZP-H059-CAV	RST45C1E-CAV	17.36	13.45	11.75	3/8	1/2		1.3	1.4	1.4			7.2	15	85
M7GH-H057-CAA	RRT64C1E-CAA	18.86	14.34	11.79	3/8	1/2	1.5				1.5	1.5	15.5	20	62
M7GP-H066-CFA	RFT18C1E-PFA	18.82	14.34	12.29	3/8	1/2	1.5				1.5	1.5	13.8	20	72
M7JH-0012-IAA	ARE13C4E-IAA	14.10	11.45	11.37	1/4	3/8	1.5				1.5	1.5	5.9	15	35
M7JH-0014-IAA	ARE17C4E-IAA	13.91	11.46	9.61	1/4	3/8	1.5				1.5	1.5	6.2	15	35
M7JH-0018-IAA	ARE25C4E-IAA	14.10	11.45	11.37	1/4	3/8	1.5				1.5	1.5	6.8	15	40
M7JH-H020-IAA	ARE25C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.5				1.5	1.5	6.8	15	
M7JH-H024-IAA	ARE29C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.5				1.5	1.5	5.5	15	42
M7JH-H029-IAA	ARE35C5E-IAA	14.39	11.57	11.37	1/4	3/8	1.5				1.5	1.5	9.3	15	90
M7JP-0020-IAA	AFF07C1E-IAA	14.37	12.11	11.38	1/4	3/8	1.5				1.5	1.5	5.9	15	60
M7JP-0029-IAA	AFF10C1E-IAA	14.37	12.11	11.38	1/4	3/8	1.5				1.5	1.5	4.9	15	67
M7KH-0060-CFA	RRT64C1E-CFA	24.00	16.39	13.08	1/4	1/2	3.3				3.2	3.2	15.8	20	85
M7KH-0060-CAV	RRT64C1E-CAV	24.00	16.39	13.08	1/4	1/2	3.3				3.2	3.2	9.2	15	
M7KH-0064-CAV	RRT73C1E-CAV	24.00	16.39	13.08	1/4	1/2	3.3				3.2	3.2	11.8	15	86
M7KH-0075-CFA	RRT81C1E-PFA	24.00	16.27	13.08	1/4	5/8	3.3				3.2	3.2	18.3	25	62
M7KH-0075-CFV	RRT81C1E-PFV	24.00	16.39	13.08	3/8	5/8	3.3				3.2	3.2	9.3	15	86
M7KH-0086-CFA	RRT10K1E-PFA	24.00	16.39	13.08	3/8	5/8	3.3				3.2	3.2	19	30	90
M7KH-0086-CFV	RRT10K1E-PFV	24.00	16.39	13.08	3/8	5/8	3.3				3.2	3.2	11.2	15	62
M7KH-0096-CFA	RRT10K1E-PFA	24.00	18.30	16.16	3/8	5/8	5.7				5.5	5.4	19.4	30	111
M7ZH-0031-IAA	ARE35C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.5				1.5	1.5	9.5	15	48
M7ZH-0041-IAA	ARE48C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.5				1.5	1.5	10.9	15	62
M7ZH-0045-IAA	ARE54C5E-IAA	16.51	12.68	11.73	1/4	3/8	1.5				1.5	1.5	12.5	20	
M7ZH-0045-IAV	ARE54C5E-IAV	16.51	12.68	11.73	1/4	3/8	1.5				1.5	1.5	6.9	15	
M7ZH-H046-IAA	RRT62C1E-IAA	17.45	13.46	11.71	3/8	1/2	1.5				1.5	1.5	12.8	20	42
M7ZH-H046-IAV	RRT62C1E-IAV	17.45	13.46	11.71	3/8	1/2	1.5				1.5	1.5	6	15	24
M7ZH-H055-CFA	RRT64C1E-CFA	17.36	13.45	11.75	3/8	1/2	1.5				1.5	1.5	14.6	20	65
M7ZH-H055-CAV	RRT64C1E-CAV	17.36	13.45	11.75	3/8	1/2	1.5				1.5	1.5	8.6	15	65
M7ZH-H067-CFA	RRT81C1E-PFA	17.31	13.82	12.29	3/8	5/8	1.5				1.5	1.5	17.1	25	73
M7ZH-H067-CFV	RRT81C1E-PFV	17.31	13.81	12.29	3/8	5/8	1.5				1.5	1.5	8.7	15	
M7ZP-0041-IAA	AFE12C4E-IAA	16.51	12.68	11.73	1/4	3/8	1.5				1.5	1.5	9	15	53
M7ZP-H062-CFA	RFT18C1E-PFA	17.32	13.82	12.29	3/8	1/2	1.5				1.5	1.5	13	20	63

[^]I.D. Sweat. Connections listed for -177 BOMs. See OPI for connections for other specific BOMs

*Receiver capacity applies only to units with receivers. See BOM Matrix for included components.

Physical and Electrical Data

Copevap air-cooled condensing units

Model	Compressor Electrical	Length	Width	Height	Refrigerant Connections ^A		Receiver Capacity (Lbs @ 90% Volume)					MCA	Max Over-current Protection	Approx. Ship Weight	
					Liquid	Suction	134a	404A	407C	448/449	450				513
M6BL-0123-CFA	RFT42C1E-PFA	24.00	16.29	13.64	3/8	1/2		2.8		3			21.4	30	
M6BL-0123-CFV	RFT42C1E-PFV	24.00	16.29	13.64	3/8	1/2		2.8		3			11.2	15	
M6BP-0064-CAA	RST45C1E-CAA	24.00	16.69	13.64	3/8	1/2		3.1	3.1	3			15.1	20	
M6BP-0064-CAV	RST45C1E-CAV	24.00	16.69	13.64	3/8	1/2		3.1	3.1	3			7.5	15	
M6BP-0075-CFA	RST55C1E-CFA	24.00	16.69	13.64	3/8	1/2		3.1	3.1	3			20.8	30	76
M6BP-0075-CAV	RST55C1E-CAV	24.00	16.69	13.64	3/8	1/2		3.1	3.1	3			9.7	15	
M6BP-0092-CAV	RST64C1E-CAV	24.00	16.72	13.64	3/8	1/2		3.1	3.1	3			12.4	20	
M6BP-0092-CFA	RST64C1E-CFA	24.00	16.29	13.64	3/8	1/2		3.1	3.1	3			20.3	30	78
M6BP-0106-CFV	RST80C1E-PFV	24.00	16.29	13.64	3/8	5/8		3.1	3.1	3			12.8	20	78
M6EL-0030-IAA	AFE11C4E-IAA	16.00	14.25	10.52	1/4	3/8		1.3		1.4			5.9	15	
M6EL-0041-IAA	AFE14C5E-IAA	16.00	14.25	10.52	1/4	3/8		1.3		1.4			8.2	15	
M6EL-0052-IAA	AFE20C5E-IAA	16.00	14.25	10.52	1/4	3/8		1.3		1.4			8.5	15	38
M6EL-0060-CAA	AFE23C5E-CAA	16.00	14.25	10.47	1/4	3/8		1.3		1.4			10	15	
M6EM-0020-IAA	ASE12C4E-IAA	16.00	14.25	10.52	1/4	3/8		1.3		1.4			5.7	15	
M6EM-0023-IAA	ASE14C4E-IAA	16.00	14.25	10.52	1/4	3/8		1.3		1.4			6.7	15	
M6EM-H032-CAA	ASE20C4E-CAA	16.06	15.12	11.75	1/4	3/8		1.3		1.4			7.8	15	52
M6EM-H040-IAA	ASE28C5E-IAA	16.06	15.12	11.75	1/4	3/8		1.3		1.4			9.9	15	50
M6EM-H051-IAA	ASE39C5E-IAA	16.06	15.12	11.75	1/4	3/8		1.3		1.4			13.4	20	
M6PL-0023-IAA	AFE08C4E-IAA	19.88	11.06	10.65	1/4	3/8		1.3		1.4			5.5	15	
M6PL-0030-IAA	AFE11C4E-IAA	19.88	11.06	10.65	1/4	3/8		1.3		1.4			5.9	15	
M6PL-0041-IAA	AFE14C5E-IAA	19.88	11.06	11.16	1/4	3/8		1.3		1.4			8.2	15	48
M6PL-0052-IAA	AFE20C5E-IAA	19.88	11.06	11.16	1/4	3/8		1.3		1.4			8.5	15	46
M6PL-0060-CAV	AFE23C5E-CAV	19.88	11.36	10.65	1/4	3/8		1.3		1.4			5.8	15	
M6PM-0020-IAA	ASE12C4E-IAA	19.88	11.06	10.65	1/4	3/8		1.4	1.4	1.4			5.7	15	67
M6PM-0023-IAA	ASE14C4E-IAA	19.88	11.06	10.65	1/4	3/8		1.3		1.4			6.7	15	62
M6PM-0030-IAA	ASE24C5E-IAA	19.88	11.06	11.16	1/4	3/8		1.3		1.4			8.4	15	44
M6TL-0018-IAA	AFE06C4E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			4.5	15	
M6TL-0022-IAA	AFE08C4E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			5.5	15	33
M6TL-0029-IAA	AFE11C4E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			5.9	15	36
M6TL-0040-IAA	AFE14C5E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			8.2	15	
M6TL-0051-IAA	AFE20C5E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			8.5	15	
M6TM-0020-IAA	ASE12C4E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			5.7	15	35
M6TM-0022-IAA	ASE14C4E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			6.7	15	35
M6TM-0027-IAA	ASE20C4E-IAA	19.00	9.41	10.53	1/4	5/16		1.3		1.4			8.2	15	38
M7BH-0060-CFA	RRT64C1E-CFA	24.00	16.69	13.64	3/8	1/2	3.3			3.2	3.2	15.8	20		
M7BH-0060-CAV	RRT64C1E-CAV	24.00	16.69	13.64	3/8	1/2	3.3			3.2	3.2	9.2	15		
M7BH-0075-CFA	RRT81C1E-PFA	24.00	16.29	13.64	3/8	5/8	3.3			3.2	3.2	18.3	25	82	
M7BH-0075-CFV	RRT81C1E-PFV	24.00	16.29	13.64	3/8	5/8	3.3			3.2	3.2	9.3	15		
M7EH-0020-IAA	ARE25C4E-IAA	16.00	14.25	10.52	1/4	3/8	1.5			1.5	1.5	6.8	15		
M7EH-0024-IAA	ARE29C4E-IAA	16.00	14.25	10.52	1/4	3/8	1.5			1.5	1.5	5.5	15	62	
M7EH-0029-IAA	ARE35C5E-IAA	16.00	14.25	10.52	1/4	3/8	1.5			1.5	1.5	9.3	15	41	
M7EH-0037-IAA	ARE48C5E-IAA	16.00	14.25	10.52	1/4	3/8	1.5			1.5	1.5	10.7	15		
M7EH-H016-IAA	ARE17C4E-IAA	16.06	15.12	11.75	1/4	3/8	1.5			1.5	1.5	6.4	15		
M7EH-H044-IAA	RRT62C1E-IAA	16.62	15.27	11.75	1/4	1/2	1.5			1.5	1.5	12.8	20	55	
M7EH-H053-IFA	RRT64C1E-IFA	16.26	15.62	11.75	1/4	1/2	1.5			1.5	1.5	14.6	20	45	
M7EP-0021-IAA	AFF07C1E-IAA	16.00	14.25	10.52	1/4	3/8	1.5			1.5	1.5	5.9	15	42	
M7EP-0032-IAA	AFF10C1E-IAA	16.00	14.25	10.52	1/4	3/8	1.5			1.5	1.5	4.9	15		
M7EP-H036-IAA	AFF13C1E-IAA	16.43	15.12	11.75	1/4	3/8	1.5			1.5	1.5	11.5	15		
M7PH-0012-IAA	ARE13C4E-IAA	19.88	11.06	10.65	1/4	3/8	1.5			1.5	1.5	5.9	15		
M7PH-0015-IAA	ARE17C4E-IAA	19.88	11.06	10.65	1/4	3/8	1.5			1.5	1.5	5.9	15		
M7PH-0020-IAA	ARE25C4E-IAA	19.88	11.06	10.65	1/4	3/8	1.5			1.5	1.5	6.8	15	66	
M7PH-0024-IAA	ARE29C4E-IAA	19.88	11.06	10.65	1/4	3/8	1.5			1.5	1.5	5.5	15	66	
M7PH-0029-IAA	ARE35C5E-IAA	19.88	11.06	11.16	1/4	3/8	1.5			1.5	1.5	9.3	15	40	
M7PH-0038-IAA	ARE48C5E-IAA	19.88	11.06	11.16	1/4	3/8	1.5			1.5	1.5	10.7	15		
M7PH-0042-IAA	ARE54C5E-IAA	19.88	11.06	11.16	1/4	3/8	1.5			1.5	1.5	12.3	20	36	
M7PP-0021-IAA	AFF07C1E-IAA	19.90	11.06	11.69	1/4	3/8	1.5			1.5	1.5	5.9	15		

Physical and Electrical Data

Copevap air-cooled condensing units

Model	Compressor Electrical	Length	Width	Height	Refrigerant Connections [^]		Receiver Capacity (Lbs @ 90% Volume)					MCA	Max Over-current Protection	Approx. Ship Weight	
					Liquid	Suction	134a	404A	407C	448/449	450				513
M7PP-0032-IAA	AFF10C1E-IAA	19.90	11.06	11.69	1/4	3/8	1.5				1.5	1.5	4.9	15	52
M7PP-0034-IAA	AFF13C1E-IAA	19.90	11.06	11.69	1/4	3/8	1.5				1.5	1.5	11.3	15	
M7TH-0012-IAA	ARE13C4E-IAA	19.00	9.41	10.53	1/4	5/16	1.5				1.5	1.5	5.9	15	35
M7TH-0015-IAA	ARE17C4E-IAA	19.00	9.41	10.53	1/4	5/16	1.5				1.5	1.5	5.9	15	33
M7TH-0020-IAA	ARE25C4E-IAA	19.00	9.41	10.53	1/4	5/16	1.5				1.5	1.5	6.8	15	36
M7TH-0023-IAA	ARE29C4E-IAA	19.00	9.41	10.53	1/4	5/16	1.5				1.5	1.5	5.5	15	67
M7TH-0028-IAA	ARE35C5E-IAA	19.00	9.41	10.53	1/4	5/16	1.5				1.5	1.5	9.3	15	56
M7TP-0020-IAA	AFF07C1E-IAA	19.34	9.41	10.53	1/4	5/16	1.5				1.5	1.5	5.9	15	38
M7TP-0032-IAA	AFF10C1E-IAA	19.34	9.41	10.53	1/4	5/16	1.5				1.5	1.5	4.9	15	

[^]Connections listed for -177 (B and P Chassis), -103 (E Chassis), and -118 (T Chassis) BOMs. See OPI for connections for other specific BOMs

*Receiver capacity applies only to units with receivers. See BOM Matrix for included components.

Physical and Electrical Data

Copeland water-cooled condensing units

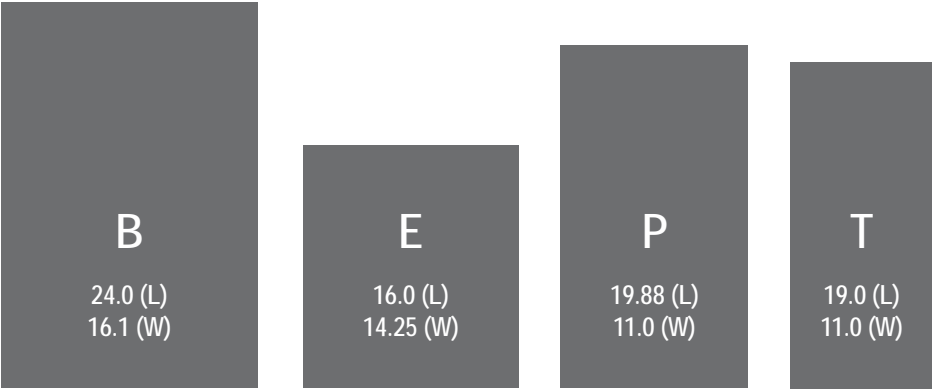
Model	Compressor Electrical	Length	Width	Height	Refrigerant Connections [^]		Receiver Capacity (Lbs @ 90% Volume)					MCA	Max Over-current Protection	Approx. Ship Weight	
					Liquid	Suction	134a	404A	407C	448/449	450				513
M6WF-0056-IAA	RST45C1E-IAA	18.30	12.87	9.99	3/8	1/2	1.3			1.4			13.1	20	68
M6WF-0056-IAV	RST45C1E-IAV	18.30	12.87	9.99	3/8	1/2	1.3			1.4			6.6	15	65
M6WF-0075-CFA	RST55C1E-CFA	24.23	16.10	11.85	3/8	1/2	1.3			1.4			18.8	30	75
M6WF-0075-CAV	RST55C1E-CAV	24.23	16.10	11.85	3/8	1/2	1.3			1.4			8.5	15	78
M6WF-0106-CAV	RST64C1E-CAV	24.23	16.10	11.85	3/8	1/2	4.9			5.1			11.3	20	91
M6WF-0125-CFV	RST70C1E-PFV	24.24	16.10	13.20	3/8	5/8	4.9			5.1			9.6	15	79
M6WF-0125-TAC	RST70C1E-TA5	24.24	16.10	13.20	3/8	5/8	4.9			5.1			6.9	15	85
M6WF-0126-CFV	RST80C1E-PFV	24.24	16.10	13.20	3/8	5/8	4.9			5.1			11.6	20	86
M6WF-0126-TAC	RST80C1E-TA5	24.24	16.10	13.20	3/8	5/8	4.9			5.1			7.1	15	85
M6WH-0021-IAA	ASE12C4E-IAA	18.18	12.88	9.35	1/4	3/8	1.3			1.4			5	15	47
M6WH-0023-IAA	ASE14C4E-IAA	18.18	12.88	9.35	1/4	3/8	1.3			1.4			6	15	48
M6WH-0025-IAA	ASE20C4E-IAA	18.18	12.88	9.35	1/4	3/8	1.3			1.4			7.5	15	49
M6WH-0036-IAA	ASE24C5E-IAA	18.18	12.88	9.80	1/4	3/8	1.3			1.4			7.8	15	42
M6WH-0036-IAI	ASE24C5E-IAI	18.18	12.88	9.80	1/4	3/8	1.3			1.4			4.1	15	
M6WH-0043-IAA	ASE28C5E-IAA	18.18	12.88	10.22	1/4	3/8	1.3			1.4			9	15	46
M6WH-0043-IAV	ASE28C5E-IAV	18.18	12.88	10.22	1/4	3/8	1.3			1.4			5	15	
M6WH-0050-CAA	ASE32C5E-CAA	18.18	12.97	9.92	1/4	3/8	1.3			1.4			9.4	15	42
M6WH-0050-CAV	ASE32C5E-CAV	18.18	12.88	10.65	1/4	3/8	1.3			1.4			5.6	15	43
M6WL-0025-IAA	AFE08C4E-IAA	24.00	16.41	9.73	1/4	3/8	1.3			1.4			5.5	15	
M6WL-0033-IAA	AFE11C4E-IAA	24.00	16.41	9.73	1/4	3/8	1.3			1.4			5.9	15	65
M6WL-0040-IAA	AFE14C5E-IAA	24.00	16.41	10.23	1/4	3/8	1.3			1.4			8.2	15	67
M6WL-0051-IAA	AFE17C4E-IAA	24.00	16.41	10.18	1/4	3/8	1.3			1.4			10.4	15	
M6WL-0067-CFA	RFT26C1E-CFA	24.00	16.41	11.87	3/8	1/2	1.3			1.4			14	20	75
M6WL-0075-CFA	RST64C1E-CFA	24.00	16.41	11.87	3/8	1/2	1.3			1.4			18.9	30	
M6WL-0075-IAV	RST64C1E-IAV	24.00	16.41	10.46	3/8	1/2	1.3			1.4			11.8	20	80
M6WL-0105-CFV	RST80C1E-PFV	24.00	16.43	12.47	3/8	5/8	4.9			5.1			12.2	20	64
M6WL-0105-TAC	RST80C1E-TA5	24.00	16.43	12.47	3/8	5/8	4.9			5.1			7.7	15	87
M7WH-0026-IAA	ARE29C4E-IAA	18.18	12.88	9.35	1/4	3/8	1.5				1.5	1.5	4.9	15	41
M7WH-0033-IAA	ARE35C5E-IAA	18.18	12.88	9.80	1/4	3/8	1.5				1.5	1.5	8.6	15	46
M7WH-0033-IAI	ARE35C5E-IAI	18.18	12.88	9.80	1/4	3/8	1.5				1.5	1.5	3.8	15	
M7WH-0040-IAA	ARE40C4E-IAA	18.18	12.88	9.80	1/4	3/8	1.5				1.5	1.5	8.8	15	50
M7WH-0049-IAV	ARE51C4E-IAV	18.18	12.88	9.80	1/4	3/8	1.5				1.5	1.5	6.1	15	70
M7WH-0050-IAA	RRT62C1E-IAA	18.31	12.87	9.59	3/8	1/2	1.5				1.5	1.5	11.9	20	61
M7WH-0050-IAV	RRT62C1E-IAV	18.31	12.87	9.59	3/8	1/2	1.5				1.5	1.5	5.4	15	57
M7WH-0056-IFA	RRT64C1E-IFA	18.30	12.87	9.99	3/8	1/2	1.5				1.5	1.5	13.8	20	59
M7WH-0056-IAV	RRT64C1E-IAV	18.30	12.87	9.99	3/8	1/2	1.5				1.5	1.5	8	15	63
M7WM-0075-CFA	RRT10K1E-PFA	24.24	16.10	13.20	3/8	5/8	1.5				1.5	1.5	17	30	81
M7WM-0075-CFV	RRT10K1E-PFV	24.24	16.10	13.20	3/8	5/8	1.5				1.5	1.5	10	15	82

M X X X - X X X X - X X X - X X X

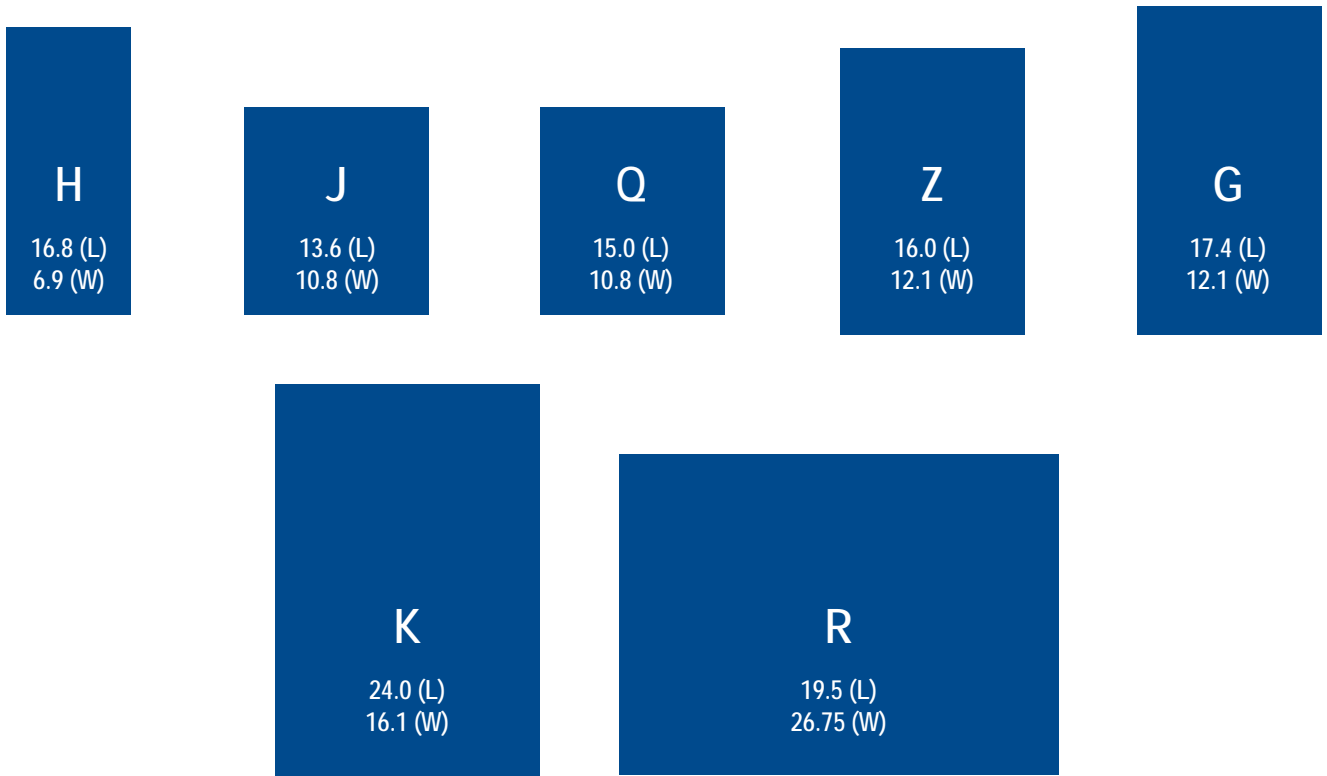


Code	Base Description	Dimensions L x W (in.)
C	Custom	
W	Water-Cooled Steel	
B	Air-Cooled Copevap	24.0 x 16.1
E	Air-Cooled Copevap	16.0 x 15.1
P	Air-Cooled Copevap	11.0 x 19.88
T	Air-Cooled Narrow Copevap	8.25 x 19.0
H	Narrow Metal	16.8 x 6.9
G	Air-Cooled Steel	17.4 x 12.1
J	Air-Cooled Steel	13.6 x 10.8
K	Air-Cooled Steel	24.0 x 16.1
R	Air-Cooled Steel	19.5 x 26.75
Q	Air-Cooled Steel	15.0 x 10.8
Z	Air-Cooled Steel	16.0 x 12.1

Plastic Copevap Bases



Steel Bases



Competitive Cross Reference

Nom HP	Tecumseh		Danfoss		Embraco		Old Copeland			New Copeland		
	Model	Btu/h	Model	Btu/h	Model	Btu/h	Model	Compressor	Btu/h	Model	Compressor	Btu/h
LT R-404A -10°F Evap/90°F Ambient												
1/4	AE2410Z-AA1AGB	890					M4TL-H025-IAA-*18	AFE08C4E-IAA	860	M6TL-0022-IAA-118	AFE08C4E-IAA	927
	AE2410Z-AA1ASC	910					M4FL-H025-IAA-*	AFE08C4E-IAA	876	M6JL-H023-IAA-177	AFE08C4E-IAA	936
1/3	AE2415Z-AA1ASC	1380	UCHC0025RWB000B	1350			M4FL-0025-IAA-072	AFB09C3E	872	M6JL-0021-IAA-078	AFE08C4E-IAA	872
	AE2415Z-AA1ASS	1380	UCHC0025R*B	1350			M4FL-0033-IAA-103	AFE11C3E-IAA	1390	M6ZM-0032-IAA-177	ASE24C5E-IAA	1340
1/2							M4FL-0033-IAA-111	AFE11C3E-IAA	1390	M6ZM-0032-IAA-179	ASE24C5E-IAA	1340
	AJA2423ZAADG	2254	LCHC0050RWB000B	2500	UT2155GK	2330	M4FL-0040-IAA-103	AFE13C3E	2040	M6JL-H048-IAA-177	AFE17C4E-IAV	1940
3/4	AKA2430ZAADS	3003	LCHC0060UWC000B	3050			M4FL-0040-IAV-103	AFE13C3E	2040	M6JL-H048-IAV-177	AFE17C4E-IAV	1940
	AKA2430ZAADC	3003	LCHC0060UWC000B	3050			M4FL-H051-IAA-103	AFE17C4E-IAA	2150	M6JL-H052-IAA-177	AFE20C5E-IAA	2240
1	AJB2439ZAADG	3898	LCHC0075UWC000B	3900			M4FL-0067-CFA-111	AFT26C1E-CFA	3290	M6ZL-H078-CFA-179	RFT26C1E-CFA	3100
	AWA2448ZDXC	4838	LCHC0100UWD000N	5350			M4FL-0067-CFA-103	AFT26C1E-CFA	3290	M6ZL-H078-CFA-177	RFT26C1E-CFA	3100
1 1/2	AWA2464ZDXC	6450					M4FL-0067-CFV-103	AFT26C1E-CFV	3290	M6GP-H074-CAV-177	RST55C1E-CAV	3070
	AWA2479ZDXC	7871					M4FF-0080-CFA-212	RST64C1E-CFA	3880	M6KP-0092-CFA-177	RST64C1E-CFA	4050
2	AVA2510ZXNXC	9999								M6KL-0123-CFV-072	RFT42C1E-PFV	4900
										FFAP-017Z-CFV-072	ZS11KAE-PFV	6680
										FFAP-020Z-CFV-072	ZS13KAE-PFV	7650
										FFAP-030Z-CFV-072	ZS19KAE-PFV	10400
MT R-404A 25°F Evap/90°F Ambient												
1/5	AE4425Z-AA1AGK	1500					M4TM-H020-IAA-*08	ASE12C4E-IAA	1580	M6TM-0020-IAA-108	ASE12C4E-IAA	1830
	AE4425Z-AA1ASC	1950								M6ZM-0021-IAA-177	ASE12C4E-IAA	1950
1/4	AE4430Z-AA1AXC	2170	UCGC0025R*B	2150			M4FH-0025-IAA-103	ASE19C3E-IAA	2430	M6JM-H023-IAA-177	ASE14C4E-IAA	2180
	AE4430Z-AA1AGC	2170					M4TM-H020-IAA-*18	ASE12C4E-IAA	1580	M6TM-0020-IAA-118	ASE12C4E-IAA	2180
1/3	AE4430Z-AA1AGK	2170					M4TM-H020-IAA-*08	ASE12C4E-IAA	1580	M6TM-0020-IAA-108	ASE12C4E-IAA	2180
	AE4440Z-AA1ASC	2590	UCHC0025RWB000B	2650	UNE6187Z	2576				M6JM-H028-IAA-177	ASE20C4E-IAA	2730
1/2	AKA9442ZNADG	5162	UCHC0033RWB000B	3250	UF112HBX	3263	M4FH-A036-IAA-103	ASE24C3E-IAA	3370	M6JM-H035-IAA-177	ASE28C5E-IAA	3390
	AKA9442ZAADG	5162					M4FH-0050-CAA-103	ASE32C3E-CAA	4380	M6QM-H049-IAA-272	ASE39C5E-IAA	4250
3/4	AKA9457ZNADG	6367					M4FH-0050-CAV-103	ASE32C3E-CAV	4380	M6QM-H049-CAV-078	ASE39C5E-CAV	4250
	AKA9463ZAADG	6969	UCHC0050RWB000B	7500			M4FF-0050-IAV-212	RST45C1E-IAV	4660	M6ZP-0053-IAV-177	RST45C1E-IAV	4980
1	AJA7480ZNADG	8448	HCHC0100U*N	9000			M4FF-0050-IAA-212	RST45C1E-IAA	4660	M6ZP-0053-IAA-177	RST45C1E-IAA	4980
	AJA7480ZNADC	8448								M6GP-H074-CAV-177	RST55C1E-CAV	6550
2	AWA7512ZDXC	13142					M4FF-0075-CAA	RST55C1E-CAA	6660	M6KP-0075-CFA-177	RST55C1E-CFA	6660
	AWA7512ZXTX	13142	HCZC0150UWF300Q	12270			M4FF-0075-CAV	RST55C1E-CAV	6660	M6KP-0075-CAV-177	RST55C1E-CAV	6660
3	AWA9518ZXTXM									M6RP-H126-CFV-072 ¹	RST97C1E-PFV	10500
	AVA7523ZXTX	24781								FFAP-A17Z-CFV-072	ZS11KAE-PFV	12100
										FFAP-A17Z-TFC-072	ZS11KAE-TF5	12100
										FFAP-A30Z-TFC-072	ZS19KAE-TF5	19300
										FFAP-A32Z-TFC-072	ZS21KAE-TF5	24800
LT R-134a -10°F Evap/90°F Ambient												
1/4	AE2410Y-AA1ASC	910			UF10HBX	960				M7QP-H022-IAA-078	AFF07C1E-IAA	874
1/3	AE2413Y-AA1BSC	1310			UF112HBX	1362				M7JP-H032-IAA-078	AFF10C1E-IAA	1330
1/2	AJA2423YAADG	2321					M2FF-0056-CFA-212	RFT18C1E-PFA	2580	M7GP-H066-CFA-177	RFT18C1E-PFA	2650
										M7KH-0060-CFA-177	RRT64C1E-CFA	2300
MT R-134a 25°F Evap/90°F Ambient												
1/4							M2FH-0026-IAA-103	ARE27C3E-IAA	2080	M7QH-H021-IAA-078	ARE25C4E-IAA	1980
1/3							M2FH-A033-IAA-103	ARE37C3E-IAA	2620	M7JH-H029-IAA-177	ARE35C5E-IAA	2640
							M2FH-0049-IAA-103	ART51C1E-IAA	3600	M7ZH-0041-IAA-177	ARE48C5E-IAA	3750
1/2	AKA7437YAADG	4080	UCGC0050R*	4250			M2FH-A050-IAA-103	RRT62C1E-IAA	4060	M7ZH-H046-IAA-177	RRT62C1E-IAA	4210
	AJA7455YAADG	6116	HCGC0075UWC000B	7150			M2FH-0056-IAA-103	ART64C1E-IAA	4630	M7KH-0064-CAA-177	RRT73C1E-CAA	5890
	AJA7455YNADG	6116					M2FH-0056-IAV-103	ART64C1E-IAV	4630	M7KH-0064-CAV-177	RRT73C1E-CAV	5890
	AJA7455YNADC	6116								M7KH-0064-CAV-177	RRT73C1E-CAV	5890
HT R-134a 45°F Evap/90°F Ambient												
1/5	AE3425Y-AA1ASK	2696	UCGC0020RWA000B	2700	UM65HHR	2600	M2FH-0026-IAA	ARE27C3E-IAA	2940	M7JH-0018-IAA-179	ARE25C4E-IAA	2690
	AE4430Y-AA1ASB	3080	UCGC0025RWB000B	3100			M2FH-0025-IAA	ARE27C3E-IAA	2850	M7JH-H020-IAA-177	ARE25C4E-IAA	2960
1/4	AE4430Y-AA1ASC	3080	UCGC0025RWB000B	3100			M2FH-0025-IAA	ARE27C3E-IAA	2850	M7JH-H020-IAA-177	ARE25C4E-IAA	2960
	AE4430Y-AA1ASK	3080	UCGC0025R*B	3100			M2FH-0025-IAA	ARE27C3E-IAA	2850	M7JH-H020-IAA-179	ARE25C4E-IAA	2960
1/3	AE4430Y-AA1ASS	3080	UCGC0025R*B	3100			M2FH-0025-IAA	ARE27C3E-IAA	2850	M7JH-H020-IAA-179	ARE25C4E-IAA	2960
	AE4430Y-AA1AGB	3080								M7TH-0020-IAA-118	ARE25C4E-IAA	2900
1/2	AE4440Y-AA1ASB	3650	HCGC0033RWB000B	4450	UNE6187Z	4371	M2FH-A033-IAA	ARE37C3E-IAA	3820	M7JH-H024-IAA-177	ARE29C4E-IAA	3390
	AE4440Y-AA1ASC	3650	HCGC0033RWB000B	4450	UNE6187Z	4371	M2FH-A033-IAA	ARE37C3E-IAA	3820	M7JH-H024-IAA-177	ARE29C4E-IAA	3390
1/3	AE4440Y-AA1ASK	3650	HCGC0033R*B	4450	UNE6187Z	4371	M2FH-A033-IAA	ARE37C3E-IAA	3820	M7JH-H024-IAA-179	ARE29C4E-IAA	3390
	AE4440Y-AA1ASS	3650	HCGC0033R*B	4450	UNE6187Z	4371	M2FH-A033-IAA	ARE37C3E-IAA	3820	M7JH-H024-IAA-179	ARE29C4E-IAA	3390
1/2	AE4440Y-AA1AGK	3650								M7TH-0028-IAA-108	ARE35C5E-IAA	3830
	AE4440Y-AA1AGB	3650								M7TH-0028-IAA-118	ARE35C5E-IAA	3830
3/4	AE4440Y-AA1AGC	3650								M7TH-0028-IAA-118	ARE35C5E-IAA	3830
	AE4450Y-AA1ADC	5005			UNE6210Z	4989	M2CH-H049-CAA	ARE51C4E-CAA	5260	M7ZH-0045-IAA-177	ARE54C5E-IAA	5760
1/2	AKA4457YAADG	5665	UCGC0050R*B	6150	UT6213ZA	5892	M2CH-H049-CAA	ARE51C4E-CAA	5260	M7ZH-0045-IAA-179	ARE54C5E-IAA	5760
	AKA4457YAADC	5665	UCGC0050R*B	6150	UT6213ZA	5892	M2FH-H048-CAA	ARE51C4E-CAA	5440	M7ZH-0045-IAA-177	ARE54C5E-IAA	5760
1	AKA4457YAADK	5665	UCGC0050R*B	6150	UT6213ZA	5892	M2FH-H048-CAA	ARE51C4E-CAA	5440	M7ZH-0045-IAA-179	ARE54C5E-IAA	5760
	AKA4457YAADS	5665	UCGC0050R*B	6150	UT6213ZA	5892	M2FH-H048-CAA	ARE51C4E-CAA	5440	M7ZH-0045-IAA-179	ARE54C5E-IAA	5760
3/4	AKA4457YNADG	5665								M7ZH-0045-IAV-177	ARE54C5E-IAV	5760
	AKA4472YAADG	7187	HCGC0055UWC000B	7350	UT6215ZC	6704				M7ZH-H055-CFA-177	RRT64C1E-CFA	7050
1	AJA4480YAADG	7550	HCGC0055UWC000B	7350	UT6217E	7683				M7KH-0060-CFA-177	RRT64C1E-CFA	7690
	AJA4480YNADG	7550	HCGC0055UWC000B	7350						M7KH-0060-CAV-177	RRT64C1E-CAV	7690
	AJA4512YDXC	12200	HCGC0075UWC000B	11200						FFAP-A17Z-CFV-072	ZS11KAE-PFV	13100

* Specific configuration not identified. Multiple options may be available.

† Physical dimension differences. Check available space.

About Emerson

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