

Copeland™ M-Line

Air-cooled and water-cooled condensing units



Product Information

Horsepower: 1/6 – 1 1/2
Refrigerants: R-134a, R-290, R-404A ,
R-448A, R-449A, R-450A, R-513A



Nomenclature • M-Line Units

Refrigerant	Code
R-290	U
R-404A/448A/449A	6
R-134a/450A/513A	7

Condensing Unit
Family Series
Hermetic
Reciprocating

Temperature Application	Code
High Temperature	H
Medium Temperature	M
Low Temperature	L
Extended Medium Temp Multiple	F P

Model Variation

Compressor Motor Types		
Phase	Description	Code
1	Capacitor Run - Capacitor Start	C
1	Induction Run - Capacitor Start	I
1	Induction Run - Split Phase	S
1	Capacitor Run - Permanent Split	P
3	General - 3 Lead Single Voltage	T

UL Status	
0	UL Listed and CUL Certified
1	UL Recognized and CUL Certified
2	UL Recognized and CUL Certified Like Listed configuration except without pressure controls
3	Not eligible for either UL Listing, UL Recognition or CUL Certified

Filter Drier	7
Hood	H

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

Standard	-
Evac and Charge	C

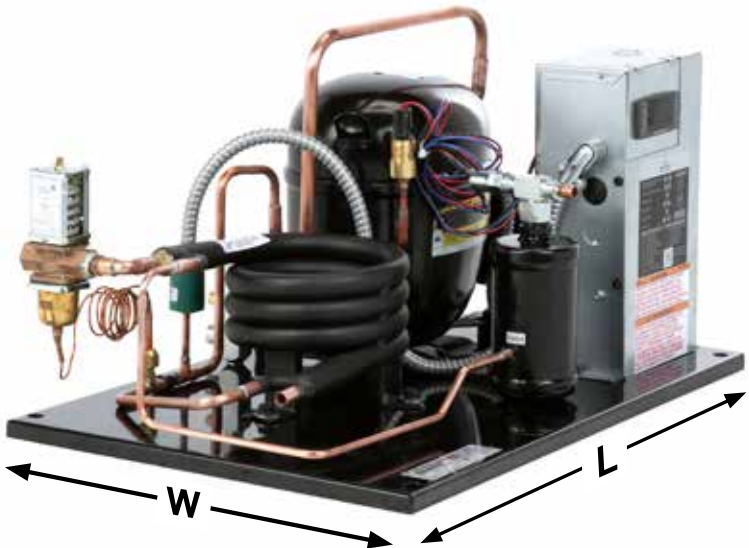
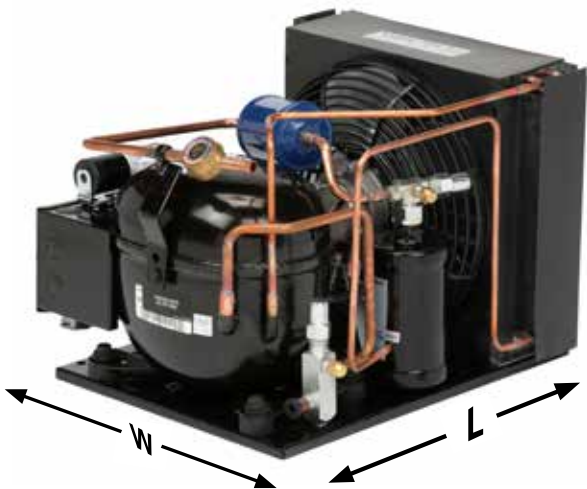
Nominal HP

BOM

Type of Design	Code
Air Cooled Steel Base	A/F
Custom Base	C
No Condenser	N
Special Base	S
Water Cooled Steel Base	W
Air Cooled Copevap Base – 24x16.1	B
Air Cooled Copevap Base – 16x15.1	E
Air Cooled Copevap Base – 11x20	P
Narrow Air Cooled Copevap – 8.25x19	T
Narrow Metal Base – 16.8x6.9	H
Air Cooled Steel – 17.4x12.1	G
Air Cooled Steel – 13.6x10.8	J
Air Cooled Steel – 24x16.1	K
Air Cooled Steel – 19.5x26.75	R
Air Cooled Steel – 15x10.8	Q
Air Cooled Steel – 16x12.1	Z

Compressor Motor Protection	
Type Protection	Code
External Inherent Protection- One Protector (Line Break)	A
Internal Inherent Protection – One Protector (Line Break)	F
Internal Thermal Protection – Electronic Sensors; and Control Module External	S

Electrical Codes		
60 Hz.	50 Hz.	Code
115-1	-	A
230-1	-	B
208/230-3	200/220-3	C
220-1	-	3
Note: When applicable, specific 50 Hz ratings (not necessarily identical to typical shown above) will be shown as alternate on 60 Hz rated models.		



Bill of Materials Matrix

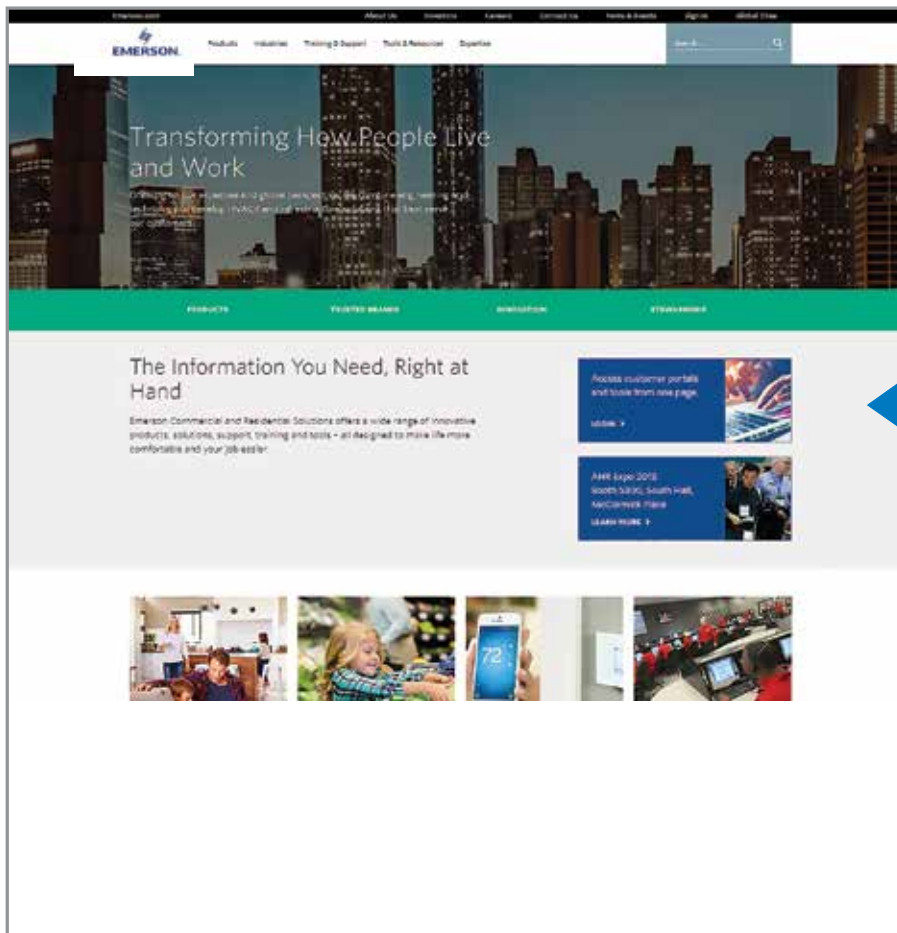
Features	Steel Base Standard BOMs				Condensate Base Standard BOMs						R-290 Units
	Air Cooled		Water Cooled	Dual Fan	E Base		T Base		B/P Base		
	177	179	020	072	103	111	108	118	177	179	173
Receiver W/ Valve	X		X	X	X			X	X		
Suction Valve	X	X	X	X	X	X			X	X	
Liquid Base Valve		X			X				X		
Fan Guard	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					

* 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™ air-cooled and water-cooled condensing units

Features	Benefits
Copeland™ Hermetic Compressor and Heavy Duty Unit Bearing Fan Motor	Reliability
	High Energy Efficiency
	Low Sound & Vibration
Modular Components	Replacement Serviceability
Compact Design	Application Flexibility
All Models Rated Up To 110°F Ambient	



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Physical and Electrical Data

Copeland air-cooled condensing units

Model	Compressor Electrical	Length	Width	Height	Refrigerant Connections		Receiver Capacity (Lbs @ 90% Volume)							MCA	Max Fuse	Ship Weight
					Liquid	Suction	134a	404A	407C	448A	449A	450A	513A			
M6ZM-0025-IAA	ASE14C4E-IAA	16.58	12.68	11.73	1/4	5/16	1.3			1.4	1.4			6.9	15	0
M6ZM-0025-IAV	ASE20C4E-IAV	16.58	12.68	11.73	1/4	5/16	1.3			1.4	1.4			4.4	15	0
M6ZM-0031-IAA	ASE20C4E-IAA	16.58	12.68	11.73	1/4	5/16	1.3	1.4		1.4	1.4			8.4	15	0
M6ZM-0032-IAA	ASE24C5E-IAA	16.58	12.68	11.73	1/4	5/16	1.3			1.4	1.4			8.6	15	0
M6ZM-0038-IAA	ASE28C5E-IAA	16.58	12.68	11.73	1/4	5/16	1.3			1.4	1.4			9.9	15	0
M6ZM-0038-IAV	ASE28C5E-IAV	16.58	12.68	11.73	1/4	5/16	1.3			1.4	1.4			5.6	15	0
M6ZM-0048-IAA	ASE39C5E-IAA	16.58	12.68	11.73	1/4	5/16	1.3			1.4	1.4			13.4	20	0
M6ZM-H026-CAA	ASE20C4E-CAA	16.52	12.79	11.71	1/4	3/8	1.3			1.4	1.4			7.8	15	0
M6ZM-H054-CAV	ASE39C5E-CAV	16.58	12.79	11.71	1/4	3/8	1.3			1.4	1.4			7.7	15	0
M6ZP-0053-IAA	RST45C1E-IAA	17.36	13.52	11.75	3/8	1/2	1.3	1.4		1.4	1.4			14	20	0
M6ZP-0053-IAV	RST45C1E-IAV	17.36	13.55	11.75	3/8	1/2	1.3	1.4		1.4	1.4			7.2	15	0
M6ZP-H059-CAA	RST45C1E-CAA	17.36	13.5	11.75	3/8	1/2	1.3	1.4		1.4	1.4			14	20	0
M6ZP-H059-CAV	RST45C1E-CAV	17.36	13.45	11.75	3/8	1/2	1.3	1.4		1.4	1.4			7	15	0
M6ZP-H090-CFA	RST80C1E-PFA	17.31	13.81	12.29	3/8	1/2	1.3			1.4	1.4			15.4	15	0
M6ZP-H090-CFV	RST80C1E-PFV	17.31	13.81	12.29	3/8	1/2	1.3	1.4		1.4	1.4			12.2	20	0
M7GH-H057-CAA	RRT64C1E-CAA	18.86	14.34	11.79	3/8	1/2	1.5					1.5	1.5	15.5	20	0
M7GH-H057-CAV	RRT64C1E-CAV	18.86	14.34	11.79	3/8	1/2	1.5					1.5	1.5	9	15	0
M7GP-H066-CFA	RFT18C1E-PFA	18.82	14.34	12.29	3/8	1/2	1.5					1.5	1.5	13.8	20	0
M7JH-0012-IAA	ARE13C4E-IAA	14.1	11.45	11.37	1/4	5/16	1.5					1.5	1.5	5.9	15	0
M7JH-0014-IAA	ARE17C4E-IAA	14.1	11.45	11.37	1/4	5/16	1.5					1.5	1.5	5.9	15	0
M7JH-0018-IAA	ARE25C4E-IAA	14.1	11.45	11.37	1/4	5/16	1.5					1.5	1.5	6.8	15	0
M7JH-0021-IAA	ARE29C4E-IAA	14.1	11.45	11.37	1/4	5/16	1.5					1.5	1.5	5.5	15	0
M7JH-0026-IAA	ARE35C5E-IAA	14.1	11.45	11.37	1/4	5/16	1.5					1.5	1.5	9.3	15	0
M7JH-H012-IAA	ARE13C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.5					1.5	1.5	5.9	15	0
M7JH-H015-IAA	ARE17C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.5					1.5	1.5	5.9	15	0
M7JH-H020-IAA	ARE25C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.5					1.5	1.5	6.8	15	0
M7JH-H024-IAA	ARE29C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.5					1.5	1.5	5.5	15	0
M7JH-H029-IAA	ARE35C5E-IAA	14.39	11.57	11.37	1/4	3/8	1.5					1.5	1.5	9.3	15	0
M7JH-H034-IAV	ARE42C5E-IAV	14.39	11.57	11.37	1/4	3/8	1.5					1.5	1.5	5.1	15	0
M7JH-H038-IAA	ARE48C5E-IAA	14.39	11.45	11.37	1/4	3/8	1.5					1.5	1.5	10.7	15	0
M7JH-H038-IAV	ARE48C5E-IAV	14.39	11.45	11.37	1/4	3/8	1.5					1.5	1.5	6.8	15	0
M7JH-H042-IAA	ARE54C5E-IAA	14.39	11.45	11.37	1/4	3/8	1.5					1.5	1.5	6.8	15	0
M7JH-H042-IAV	ARE54C5E-IAV	14.39	11.45	11.37	1/4	3/8	1.5					1.5	1.5	6.8	15	0
M7JL-0034-IAA	AFE12C4E-IAA	14.1	11.45	11.37	1/4	5/16	1.5					1.5	1.5	8.8	15	0
M7JM-0019-IAA	AFE05C4E-IAA	14.1	11.45	11.37	1/4	5/16	1.5					1.5	1.5	5.3	15	0
M7JM-H020-IAA	AFE05C4E-IAA	14.11	11.45	11.37	1/4	3/8	1.5					1.5	1.5	5.3	15	0
M7JM-H036-IAA	AFE12C4E-IAA	14.39	11.57	11.37	1/4	3/8	1.5					1.5	1.5	8.8	15	0
M7JP-0020-IAA	AFF07C1E-IAA	14.37	12.11	11.38	1/4	5/16	1.5					1.5	1.5	5.9	15	0
M7JP-0029-IA3	AFF10C1E-IA3	14.37	12.11	11.38	1/4	5/16	1.5					1.5	1.5	5.2	15	0
M7JP-0029-IAA	AFF10C1E-IAA	14.37	12.11	11.38	1/4	5/16	1.5					1.5	1.5	4.9	15	0
M7JP-0031-IA3	AFF13C1E-IA3	14.37	12.11	11.38	1/4	5/16	1.5					1.5	1.5	5.4	15	0
M7JP-0031-IAA	AFF13C1E-IAA	14.37	12.11	11.38	1/4	5/16	1.5					1.5	1.5	11.3	15	0
M7KH-0060-CAA	RRT64C1E-CAA	24	16.39	13.08	1/4	3/8	3.3					3.2	3.2	15.8	20	0
M7KH-0060-CAV	RRT64C1E-CAV	24	16.39	13.08	1/4	3/8	3.3					3.2	3.2	9.2	15	0
M7KH-0064-CAA	RRT73C1E-CAA	24	16.39	13.08	1/4	3/8	3.3					3.2	3.2	15.8	20	0
M7KH-0064-CAV	RRT73C1E-CAV	24	16.39	13.08	1/4	3/8	3.3					3.2	3.2	11.8	15	0
M7KH-0075-CFA	RRT81C1E-PFA	24	16.39	13.08	3/8	1/2	3.3					3.2	3.2	18.3	25	0
M7KH-0075-CFV	RRT81C1E-PFV	24	16.39	13.08	3/8	1/2	3.3					3.2	3.2	9.3	15	0
M7KH-0083-CFA	RRT81C1E-PFA	24	18.45	16.16	3/8	1/2								18.7	25	0
M7KH-0083-CFV	RRT81C1E-PFV	24	18.45	16.16	3/8	1/2								9.5	15	0
M7KH-0086-CFA	RRT10K1E-PFA	24	16.39	13.08	3/8	1/2	3.3					3.2	3.2	19	30	0
M7KH-0086-CFV	RRT10K1E-PFV	24	16.39	13.08	3/8	1/2	3.3					3.2	3.2	11.2	15	0
M7KH-0096-CFA	RRT10K1E-PFA	24	18.45	16.16	3/8	1/2								19.4	30	0
M7KH-0096-CFV	RRT10K1E-PFV	24	18.45	16.16	3/8	1/2								11.4	15	0
M7ZH-0013-IAA	ARE13C4E-IAA	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	6.1	15	0
M7ZH-0016-IAA	ARE17C4E-IAA	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	6.1	15	0
M7ZH-0031-IAA	ARE35C5E-IAA	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	9.5	15	0
M7ZH-0037-IAV	ARE42C5E-IAV	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	5.1	15	0
M7ZH-0041-IAA	ARE48C5E-IAA	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	10.9	15	0
M7ZH-0041-IAV	ARE48C5E-IAV	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	6.9	15	0
M7ZH-0045-IAA	ARE54C5E-IAA	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	12.5	20	0
M7ZH-0045-IAV	ARE54C5E-IAV	16.58	12.68	11.73	1/4	5/16	1.5					1.5	1.5	6.9	15	0
M7ZH-0051-IAA	RRT64C1E-IAA	17.36	13.52	11.75	3/8	1/2	1.5					1.5	1.5	14.6	20	0
M7ZH-0051-IAV	RRT64C1E-IAV	17.36	13.55	11.75	3/8	1/2	1.5					1.5	1.5	8.6	15	0
M7ZH-0062-CFA	RRT81C1E-PFA	17.31	13.82	12.29	3/8	1/2	1.5					1.5	1.5	17.1	25	0
M7ZH-0062-CFV	RRT81C1E-PFV	17.31	13.81	12.29	3/8	1/2	1.5					1.5	1.5	8.7	15	0
M7ZH-0070-CFA	RRT10K1E-PFA	17.31	13.82	12.29	3/8	1/2	1.5					1.5	1.5	17.9	30	0
M7ZH-0070-CFV	RRT10K1E-PFV	17.31	13.81	12.29	3/8	1/2	1.5					1.5	1.5	10.6	15	0
M7ZH-H046-IAA	RRT62C1E-IAA	17.45	13.46	11.71	3/8	1/2	1.5					1.5	1.5	12.8	20	0
M7ZH-H046-IAV	RRT62C1E-IAV	17.45	13.46	11.71	3/8	1/2	1.5					1.5	1.5	6	15	0

R-134a High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
90° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA			604	695	794	902	1020	1150	1280	1430	1590	1750
M7JH-H012-IAA	ARE13C4E-IAA			630	727	832	948	1070	1210	1360	1520	1700	1890
M7ZH-0013-IAA	ARE13C4E-IAA			639	737	845	963	1090	1230	1390	1560	1740	1930
M7JH-0014-IAA	ARE17C4E-IAA			748	855	970	1100	1230	1380	1530	1700	1870	2060
M7JH-H015-IAA	ARE17C4E-IAA			781	895	1020	1150	1300	1460	1630	1820	2010	2230
M7ZH-0016-IAA	ARE17C4E-IAA			792	908	1040	1170	1320	1490	1670	1860	2060	2280
M7JH-0018-IAA	ARE25C4E-IAA			1020	1160	1310	1470	1640	1820	2020	2230	2450	2690
M7JH-H020-IAA	ARE25C4E-IAA			1070	1230	1390	1570	1760	1970	2190	2430	2680	2960
M7JH-0021-IAA	ARE29C4E-IAA			1230	1370	1520	1700	1890	2090	2300	2520	2740	2970
M7JH-H024-IAA	ARE29C4E-IAA			1300	1450	1630	1830	2050	2290	2540	2810	3090	3390
M7JH-0026-IAA	ARE35C5E-IAA			1350	1530	1730	1940	2170	2410	2660	2920	3190	3480
M7JH-H029-IAA	ARE35C5E-IAA			1450	1640	1860	2100	2360	2640	2930	3240	3570	3920
M7ZH-0031-IAA	ARE35C5E-IAA			1480	1680	1910	2160	2430	2720	3030	3360	3710	4080
M7JH-H038-IAA	ARE48C5E-IAA			1930	2200	2490	2800	3120	3450	3800	4170	4540	4930
M7JH-H038-IAV	ARE48C5E-IAV			1930	2200	2490	2800	3120	3450	3800	4170	4540	4930
M7ZH-0041-IAA	ARE48C5E-IAA			1980	2260	2570	2890	3240	3600	3980	4380	4800	5230
M7ZH-0041-IAV	ARE48C5E-IAV			1980	2260	2570	2890	3240	3600	3980	4380	4800	5230
M7JH-H042-IAA	ARE54C5E-IAA			2140	2450	2770	3110	3460	3830	4210	4590	4980	5380
M7JH-H042-IAV	ARE54C5E-IAV			2140	2450	2770	3110	3460	3830	4210	4590	4980	5380
M7ZH-0045-IAA	ARE54C5E-IAA			2210	2530	2870	3230	3610	4010	4420	4860	5300	5760
M7ZH-0045-IAV	ARE54C5E-IAV			2210	2530	2870	3230	3610	4010	4420	4860	5300	5760
M7ZH-H046-IAA	RRT62C1E-IAA		2100	2380	2690	3030	3400	3790	4210	4640	5090	5550	6020
M7ZH-H046-IAV	RRT62C1E-IAV		2100	2380	2690	3030	3400	3790	4210	4640	5090	5550	6020
M7ZH-0051-IAV	RRT64C1E-IAV		2380	2690	3040	3410	3810	4240	4680	5150	5630	6130	6640
M7ZH-0051-IAA	RRT64C1E-IAA		2460	2790	3150	3540	3960	4400	4860	5320	5790	6250	6710
M7ZH-H055-CAA	RRT64C1E-CAA		2480	2810	3180	3570	4000	4450	4930	5430	5950	6490	7050
M7ZH-H055-CAV	RRT64C1E-CAV		2480	2810	3180	3570	4000	4450	4930	5430	5950	6490	7050
M7GH-H057-CAA	RRT64C1E-CAA	2190	2490	2830	3210	3620	4070	4550	5060	5600			
M7GH-H057-CAV	RRT64C1E-CAV	2190	2490	2830	3210	3620	4070	4550	5060	5600			
M7KH-0060-CAA	RRT64C1E-CAA	2300	2620	2970	3360	3790	4260	4760	5290	5860	6440	7060	7690
M7KH-0060-CAV	RRT64C1E-CAV	2300	2620	2970	3360	3790	4260	4760	5290	5860	6440	7060	7690
M7ZH-0062-CFA	RRT81C1E-PFA			3150	3570	4080	4640	5240	5870	6520	7180	7840	
M7ZH-0062-CFV	RRT81C1E-PFV			3150	3570	4080	4640	5240	5870	6520	7180	7840	
M7KH-0064-CAA	RRT73C1E-CAA	2420	2850	3290	3760	4250	4770	5310	5890	6490	7130	7800	8490
M7KH-0064-CAV	RRT73C1E-CAV	2420	2850	3290	3760	4250	4770	5310	5890	6490	7130	7800	8490
M7ZH-H067-CFA	RRT81C1E-PFA		2890	3240	3690	4210	4800	5420	6070	6730	7400	8070	8720
M7ZH-H067-CFV	RRT81C1E-PFV		2890	3240	3690	4210	4800	5420	6070	6730	7400	8070	8720
M7KH-0075-CFA	RRT81C1E-PFA		3060	3480	4000	4600	5270	5980	6720	7470	8230	8980	9700
M7KH-0075-CFV	RRT81C1E-PFV		3060	3480	4000	4600	5270	5980	6720	7470	8230	8980	9700
M7ZH-0070-CFA	RRT10K1E-PFA				4550	5080	5600	6130	6650	7180	7700		
M7ZH-0070-CFV	RRT10K1E-PFV				4550	5080	5600	6130	6650	7180	7700		
M7ZH-H076-CFA	RRT10K1E-PFA			4130	4680	5220	5770	6310	6860	7410	7960		
M7ZH-H076-CFV	RRT10K1E-PFV			4130	4680	5220	5770	6310	6860	7410	7960		
M7KH-0083-CFA	RRT81C1E-PFA	2850	3190	3680	4290	5000	5780	6600	7440	8300			
M7KH-0083-CFV	RRT81C1E-PFV	2850	3190	3680	4290	5000	5780	6600	7440	8300			
M7KH-0086-CFA	RRT10K1E-PFA		3840	4430	5040	5660	6290	6940	7610	8300	9010	9750	10500
M7KH-0086-CFV	RRT10K1E-PFV		3840	4430	5040	5660	6290	6940	7610	8300	9010	9750	10500
M7KH-0096-CFA	RRT10K1E-PFA	3390	4040	4700	5380	6090	6830	7610	8440	9330			
M7KH-0096-CFV	RRT10K1E-PFV	3390	4040	4700	5380	6090	6830	7610	8440	9330			

Capacities rated at 40°F return gas (65°F return gas for capacities in **bold**), 5°F subcooling

R-134a High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
100° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA			553	638	730	830	938	1050	1180	1320	1460	1620
M7JH-H012-IAA	ARE13C4E-IAA			578	669	767	876	994	1120	1260	1410	1580	1750
M7ZH-0013-IAA	ARE13C4E-IAA			587	680	781	892	1010	1150	1290	1450	1620	1800
M7JH-0014-IAA	ARE17C4E-IAA			690	789	897	1010	1140	1270	1420	1570	1740	1910
M7JH-H015-IAA	ARE17C4E-IAA			723	830	946	1070	1210	1360	1520	1700	1880	2080
M7ZH-0016-IAA	ARE17C4E-IAA			735	844	963	1090	1240	1390	1560	1740	1930	2140
M7JH-0018-IAA	ARE25C4E-IAA			942	1070	1200	1350	1510	1680	1860	2050	2260	2470
M7JH-H020-IAA	ARE25C4E-IAA			996	1140	1290	1450	1640	1830	2040	2270	2510	2770
M7JH-0021-IAA	ARE29C4E-IAA			1140	1270	1410	1560	1730	1910	2100	2300	2500	
M7JH-H024-IAA	ARE29C4E-IAA			1210	1350	1510	1700	1900	2120	2350	2600	2860	3130
M7JH-0026-IAA	ARE35C5E-IAA				1420	1600	1800	2010	2240	2470			
M7JH-H029-IAA	ARE35C5E-IAA			1340	1530	1740	1960	2200	2470	2740	3040	3350	3680
M7ZH-0031-IAA	ARE35C5E-IAA			1370	1570	1780	2020	2270	2550	2840	3160	3490	3840
M7JH-H038-IAA	ARE48C5E-IAA			1810	2070	2330	2620	2910	3220	3540	3870	4210	
M7JH-H038-IAV	ARE48C5E-IAV			1810	2070	2330	2620	2910	3220	3540	3870	4210	
M7ZH-0041-IAA	ARE48C5E-IAA			1850	2120	2410	2710	3030	3360	3720	4090	4480	4880
M7ZH-0041-IAV	ARE48C5E-IAV			1850	2120	2410	2710	3030	3360	3720	4090	4480	4880
M7JH-H042-IAA	ARE54C5E-IAA			1990	2280	2590	2900	3230	3570	3910	4260		
M7JH-H042-IAV	ARE54C5E-IAV			1990	2280	2590	2900	3230	3570	3910	4260		
M7ZH-0045-IAA	ARE54C5E-IAA			2050	2360	2690	3030	3380	3750	4140	4530	4950	5370
M7ZH-0045-IAV	ARE54C5E-IAV			2050	2360	2690	3030	3380	3750	4140	4530	4950	5370
M7ZH-H046-IAA	RRT62C1E-IAA			2190	2470	2790	3130	3490	3880	4290	4700	5130	5570
M7ZH-H046-IAV	RRT62C1E-IAV			2190	2470	2790	3130	3490	3880	4290	4700	5130	5570
M7ZH-0051-IAV	RRT64C1E-IAV				2790	3130	3510	3900	4320	4760	5210	5680	
M7ZH-0051-IAA	RRT64C1E-IAA				2890	3260	3650	4050	4460	4880	5290	5700	
M7ZH-H055-CAA	RRT64C1E-CAA			2540	2890	3260	3670	4110	4570	5050	5550	6070	6610
M7ZH-H055-CAV	RRT64C1E-CAV			2540	2890	3260	3670	4110	4570	5050	5550	6070	6610
M7GH-H057-CAA	RRT64C1E-CAA			2530	2890	3280	3700	4160	4640	5140			
M7GH-H057-CAV	RRT64C1E-CAV			2530	2890	3280	3700	4160	4640	5140			
M7KH-0060-CAA	RRT64C1E-CAA			2680	3050	3460	3900	4380	4890	5420	5980	6560	7170
M7KH-0060-CAV	RRT64C1E-CAV			2680	3050	3460	3900	4380	4890	5420	5980	6560	7170
M7ZH-0062-CFA	RRT81C1E-PFA				3170	3620	4140	4710	5320	5950			
M7ZH-0062-CFV	RRT81C1E-PFV				3170	3620	4140	4710	5320	5950			
M7ZH-H067-CFA	RRT81C1E-PFA				3260	3740	4280	4870	5500	6150	6800		
M7ZH-H067-CFV	RRT81C1E-PFV				3260	3740	4280	4870	5500	6150	6800		
M7KH-0064-CAA	RRT73C1E-CAA			2970	3410	3890	4380	4900	5440	6010	6610	7230	7880
M7KH-0064-CAV	RRT73C1E-CAV			2970	3410	3890	4380	4900	5440	6010	6610	7230	7880
M7KH-0075-CFA	RRT81C1E-PFA			3080	3530	4090	4710	5390	6110	6850	7590	8340	9060
M7KH-0075-CFV	RRT81C1E-PFV			3080	3530	4090	4710	5390	6110	6850	7590	8340	9060
M7ZH-0070-CFA	RRT10K1E-PFA						5130	5610					
M7ZH-0070-CFV	RRT10K1E-PFV						5130	5610					
M7ZH-H076-CFA	RRT10K1E-PFA					4780	5280	5790	6290				
M7ZH-H076-CFV	RRT10K1E-PFV					4780	5280	5790	6290				
M7KH-0083-CFA	RRT81C1E-PFA	2800	3210	3760	4410	5150	5950	6780	7630				
M7KH-0083-CFV	RRT81C1E-PFV	2800	3210	3760	4410	5150	5950	6780	7630				
M7KH-0086-CFA	RRT10K1E-PFA			4620	5200	5790	6390	7010	7640	8300	8970	9670	
M7KH-0086-CFV	RRT10K1E-PFV			4620	5200	5790	6390	7010	7640	8300	8970	9670	
M7KH-0096-CFA	RRT10K1E-PFA	3640	4270	4920	5590	6280	7010	7770	8580				
M7KH-0096-CFV	RRT10K1E-PFV	3640	4270	4920	5590	6280	7010	7770	8580				

Capacities rated at 40°F return gas (65°F return gas for capacities in **bold**), 5°F subcooling

R-134a High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
110° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA				581	664	755	853	959	1070	1200	1330	1470
M7JH-H012-IAA	ARE13C4E-IAA			524	608	699	798	907	1030	1160	1300	1450	1610
M7ZH-0013-IAA	ARE13C4E-IAA			535	621	715	817	930	1050	1190	1330	1490	1660
M7JH-0014-IAA	ARE17C4E-IAA					821	928	1040	1170	1300	1450	1600	1760
M7JH-H015-IAA	ARE17C4E-IAA			660	760	868	987	1120	1260	1410	1570	1750	1930
M7ZH-0016-IAA	ARE17C4E-IAA			674	777	888	1010	1140	1290	1440	1610	1800	1990
M7JH-0018-IAA	ARE25C4E-IAA						1220	1360	1510	1680	1850		
M7JH-H020-IAA	ARE25C4E-IAA			911	1040	1180	1330	1500	1680	1880	2090	2320	2570
M7JH-0021-IAA	ARE29C4E-IAA								1740				
M7JH-H024-IAA	ARE29C4E-IAA				1250	1400	1560	1740	1940	2160	2380	2620	2860
M7JH-H029-IAA	ARE35C5E-IAA					1610	1820	2050	2300	2560	2840	3130	
M7ZH-0031-IAA	ARE35C5E-IAA			1270	1450	1650	1880	2120	2380	2650	2950	3260	3600
M7JH-H038-IAA	ARE48C5E-IAA							2700	2980				
M7JH-H038-IAV	ARE48C5E-IAV							2700	2980				
M7ZH-0041-IAA	ARE48C5E-IAA					2250	2530	2820	3120	3450	3780	4140	
M7ZH-0041-IAV	ARE48C5E-IAV					2250	2530	2820	3120	3450	3780	4140	
M7ZH-0045-IAA	ARE54C5E-IAA						2810	3140	3480	3830			
M7ZH-0045-IAV	ARE54C5E-IAV						2810	3140	3480	3830			
M7ZH-H046-IAA	RRT62C1E-IAA					2560	2870	3210	3570	3940	4330		
M7ZH-H046-IAV	RRT62C1E-IAV					2560	2870	3210	3570	3940	4330		
M7ZH-0051-IAV	RRT64C1E-IAV					2860	3210	3580	3970				
M7ZH-0051-IAA	RRT64C1E-IAA					2950	3300	3670	4040				
M7GH-H057-CAA	RRT64C1E-CAA				2590	2970	3370	3800	4260	4740			
M7GH-H057-CAV	RRT64C1E-CAV				2590	2970	3370	3800	4260	4740			
M7ZH-H055-CAA	RRT64C1E-CAA					3000	3400	3820	4260	4730			
M7ZH-H055-CAV	RRT64C1E-CAV					3000	3400	3820	4260	4730			
M7KH-0060-CAA	RRT64C1E-CAA				2770	3160	3580	4030	4520	5020	5560	6120	6700
M7KH-0060-CAV	RRT64C1E-CAV				2770	3160	3580	4030	4520	5020	5560	6120	6700
M7ZH-0062-CFA	RRT81C1E-PFA						3690	4230					
M7ZH-0062-CFV	RRT81C1E-PFV						3690	4230					
M7ZH-H067-CFA	RRT81C1E-PFA					3310	3810	4360	4960				
M7ZH-H067-CFV	RRT81C1E-PFV					3310	3810	4360	4960				
M7KH-0064-CAA	RRT73C1E-CAA				3110	3550	4010	4490	5000	5530	6080	6660	7260
M7KH-0064-CAV	RRT73C1E-CAV				3110	3550	4010	4490	5000	5530	6080	6660	7260
M7KH-0075-CFA	RRT81C1E-PFA				3110	3600	4170	4810	5500	6210	6950	7680	
M7KH-0075-CFV	RRT81C1E-PFV				3110	3600	4170	4810	5500	6210	6950	7680	
M7KH-0083-CFA	RRT81C1E-PFA			2790	3250	3830	4510	5270	6070	6910			
M7KH-0083-CFV	RRT81C1E-PFV			2790	3250	3830	4510	5270	6070	6910			
M7KH-0086-CFA	RRT10K1E-PFA					4740	5280	5840	6410	6990			
M7KH-0086-CFV	RRT10K1E-PFV					4740	5280	5840	6410	6990			
M7KH-0096-CFA	RRT10K1E-PFA				4450	5070	5720	6390	7080	7820			
M7KH-0096-CFV	RRT10K1E-PFV				4450	5070	5720	6390	7080	7820			

Capacities rated at 40°F return gas (65°F return gas for capacities in **bold**), 5°F subcooling

R-450A High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
90° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA			528	608	695	791	894	1010	1130	1260	1400	1550
M7JH-H012-IAA	ARE13C4E-IAA			550	635	727	828	939	1060	1190	1340	1490	1660
M7ZH-0013-IAA	ARE13C4E-IAA			556	642	736	839	952	1080	1210	1360	1520	1690
M7JH-0014-IAA	ARE17C4E-IAA			654	749	851	961	1080	1210	1350	1500	1650	1820
M7JH-H015-IAA	ARE17C4E-IAA			682	782	890	1010	1140	1280	1430	1590	1770	1950
M7ZH-0016-IAA	ARE17C4E-IAA			689	791	902	1020	1160	1300	1450	1620	1800	2000
M7JH-0018-IAA	ARE25C4E-IAA			895	1020	1150	1290	1450	1610	1790	1980	2180	2390
M7JH-H020-IAA	ARE25C4E-IAA			939	1070	1220	1370	1540	1730	1920	2130	2360	2600
M7JH-0021-IAA	ARE29C4E-IAA			1080	1200	1340	1500	1670	1850	2040	2250	2450	2660
M7JH-H024-IAA	ARE29C4E-IAA			1140	1270	1430	1610	1800	2020	2240	2480	2730	3000
M7JH-0026-IAA	ARE35C5E-IAA			1190	1350	1530	1720	1920	2140	2360	2600	2850	3110
M7JH-H029-IAA	ARE35C5E-IAA			1270	1440	1640	1850	2070	2320	2580	2860	3160	3470
M7ZH-0031-IAA	ARE35C5E-IAA			1290	1470	1670	1890	2130	2380	2660	2950	3260	3590
M7JH-H038-IAA	ARE48C5E-IAA			1690	1940	2190	2470	2750	3060	3370	3710	4050	4410
M7JH-H038-IAV	ARE48C5E-IAV			1690	1940	2190	2470	2750	3060	3370	3710	4050	4410
M7ZH-0041-IAA	ARE48C5E-IAA			1730	1980	2250	2540	2840	3170	3510	3870	4250	4640
M7ZH-0041-IAV	ARE48C5E-IAV			1730	1980	2250	2540	2840	3170	3510	3870	4250	4640
M7JH-H042-IAA	ARE54C5E-IAA			1890	2160	2450	2750	3070	3400	3740	4100	4460	4840
M7ZH-0045-IAA	ARE54C5E-IAA			1940	2220	2520	2840	3180	3540	3910	4300	4710	5130
M7ZH-0045-IAV	ARE54C5E-IAV			1940	2220	2520	2840	3180	3540	3910	4300	4710	5130
M7ZH-H046-IAV	RRT62C1E-IAV		1880	2120	2400	2710	3050	3410	3790	4190	4600	5020	5460
M7ZH-H046-IAA	RRT62C1E-IAA		1830	2120	2420	2740	3080	3430	3800	4190	4600	5040	5490
M7ZH-0051-IAV	RRT64C1E-IAV		2130	2410	2730	3070	3430	3820	4230	4660	5110	5570	6050
M7ZH-0051-IAA	RRT64C1E-IAA		2210	2500	2820	3180	3560	3970	4390	4820	5260	5700	6140
M7ZH-H055-CAV	RRT64C1E-CAV		2220	2520	2850	3210	3600	4020	4450	4910	5390	5890	6400
M7ZH-H055-CAA	RRT64C1E-CAA		2260	2560	2890	3260	3660	4080	4530	4980	5450	5920	6390
M7GH-H057-CAV	RRT64C1E-CAV	2040	2310	2630	2980	3360	3780	4230	4700	5200	5730	6280	6850
M7GH-H057-CAA	RRT64C1E-CAA	2060	2330	2630	2980	3370	3800	4260	4740	5250	5780	6320	6880
M7KH-0060-CAV	RRT64C1E-CAV	2050	2330	2650	3000	3390	3810	4260	4740	5250	5790	6350	6930
M7KH-0060-CAA	RRT64C1E-CAA	2070	2330	2640	3000	3390	3820	4280	4780	5300	5840	6390	6960
M7KH-0064-CAA	RRT73C1E-CAA	2250	2540	2880	3260	3670	4120	4590	5090	5610	6150	6710	7280
M7KH-0064-CAV	RRT73C1E-CAV	2160	2540	2930	3360	3800	4270	4760	5290	5840	6420	7030	7670
M7ZH-0062-CFV	RRT81C1E-PFV			2830	3230	3690	4210	4770	5350	5960	6570	7170	7770
M7ZH-0062-CFA	RRT81C1E-PFA			3030	3460	3920	4400	4900	5430	5970	6530	7090	7660
M7ZH-H067-CFV	RRT81C1E-PFV		2590	2910	3330	3810	4350	4920	5530	6140	6760	7370	7970
M7ZH-H067-CFA	RRT81C1E-PFA		2700	3100	3540	4010	4510	5030	5570	6130	6710	7290	7880
M7KH-0075-CFA	RRT81C1E-PFA		2840	3270	3750	4260	4810	5390	6010	6650	7320	8020	8730
M7KH-0075-CFV	RRT81C1E-PFV		2730	3100	3570	4120	4730	5380	6050	6740	7430	8110	8770
M7ZH-0070-CFV	RRT10K1E-PFV				4120	4600	5090	5580	6080	6580	7090		
M7ZH-0070-CFA	RRT10K1E-PFA			3560	4040	4530	5050	5580	6120	6680	7230		
M7ZH-H076-CFV	RRT10K1E-PFV			3730	4230	4730	5230	5740	6260	6780	7310	7860	
M7ZH-H076-CFA	RRT10K1E-PFA			3650	4140	4650	5180	5730	6300	6870	7450	8030	
M7KH-0083-CFA	RRT81C1E-PFA	2590	3020	3500	4020	4600	5220	5890	6610	7370	8170	9020	9900
M7KH-0083-CFV	RRT81C1E-PFV	2610	2920	3370	3920	4560	5260	6000	6770	7550	8310	9050	9730
M7KH-0086-CFA	RRT10K1E-PFA		3370	3870	4410	4980	5580	6210	6860	7540	8230	8940	9660
M7KH-0086-CFV	RRT10K1E-PFV		3430	3970	4520	5080	5650	6250	6860	7500	8160	8850	9560
M7KH-0096-CFA	RRT10K1E-PFA	3090	3600	4160	4770	5420	6120	6860	7630	8440	9290	10200	11100
M7KH-0096-CFV	RRT10K1E-PFV	3110	3690	4290	4900	5550	6230	6950	7710	8520	9380	10300	11300

Capacities rated at 40°F return gas, 5°F subcooling

R-450A High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
100° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA			484	558	640	728	824	928	1040	1160	1290	1430
M7JH-H012-IAA	ARE13C4E-IAA			505	584	671	766	869	982	1110	1240	1380	1540
M7ZH-0013-IAA	ARE13C4E-IAA			511	591	680	777	883	999	1130	1260	1410	1580
M7JH-0014-IAA	ARE17C4E-IAA			604	692	788	891	1000	1120	1250	1390	1540	1690
M7JH-H015-IAA	ARE17C4E-IAA			632	725	827	939	1060	1190	1330	1490	1650	1830
M7ZH-0016-IAA	ARE17C4E-IAA			639	735	839	953	1080	1210	1360	1520	1690	1870
M7JH-0018-IAA	ARE25C4E-IAA			827	938	1060	1190	1330	1490	1650	1830	2010	2210
M7JH-H020-IAA	ARE25C4E-IAA			871	994	1130	1280	1440	1610	1800	2000	2210	2440
M7JH-0021-IAA	ARE29C4E-IAA			1010	1120	1240	1380	1540	1700	1880	2060	2240	2440
M7JH-H024-IAA	ARE29C4E-IAA			1060	1180	1330	1490	1670	1860	2070	2300	2530	2770
M7JH-0026-IAA	ARE35C5E-IAA			1100	1250	1420	1600	1790	1990	2200	2430		
M7JH-H029-IAA	ARE35C5E-IAA			1180	1340	1520	1720	1940	2170	2420	2690	2960	3260
M7ZH-0031-IAA	ARE35C5E-IAA			1200	1370	1560	1770	1990	2230	2500	2770	3070	3380
M7JH-H038-IAA	ARE48C5E-IAA			1590	1820	2050	2310	2570	2850	3140	3450	3770	4090
M7JH-H038-IAV	ARE48C5E-IAV			1590	1820	2050	2310	2570	2850	3140	3450	3770	4090
M7ZH-0041-IAA	ARE48C5E-IAA			1620	1860	2110	2380	2660	2960	3280	3620	3970	4340
M7ZH-0041-IAV	ARE48C5E-IAV			1620	1860	2110	2380	2660	2960	3280	3620	3970	4340
M7JH-H042-IAA	ARE54C5E-IAA			1750	2010	2280	2570	2860	3170	3490	3810	4150	
M7ZH-0045-IAA	ARE54C5E-IAA			1800	2070	2360	2660	2980	3310	3660	4020	4400	4790
M7ZH-0045-IAV	ARE54C5E-IAV			1800	2070	2360	2660	2980	3310	3660	4020	4400	4790
M7ZH-H046-IAA	RRT62C1E-IAA			1930	2210	2500	2810	3130	3480	3840	4230	4630	5060
M7ZH-H046-IAV	RRT62C1E-IAV			1960	2210	2500	2810	3140	3490	3860	4250	4650	5050
M7ZH-0051-IAV	RRT64C1E-IAV				2500	2820	3160	3520	3910	4310	4730	5170	5610
M7ZH-0051-IAA	RRT64C1E-IAA				2590	2930	3290	3660	4040	4430	4820	5210	5600
M7ZH-H055-CAV	RRT64C1E-CAV			2270	2590	2930	3300	3700	4120	4560	5020	5490	5990
M7ZH-H055-CAA	RRT64C1E-CAA			2350	2670	3020	3390	3780	4180	4600	5020	5440	5850
M7GH-H057-CAV	RRT64C1E-CAV			2370	2700	3070	3460	3890	4340	4820	5320	5840	6380
M7KH-0060-CAV	RRT64C1E-CAV			2380	2720	3090	3490	3920	4380	4860	5370	5900	6460
M7GH-H057-CAA	RRT64C1E-CAA			2430	2770	3140	3540	3970	4420	4890	5370	5860	6360
M7KH-0060-CAA	RRT64C1E-CAA			2440	2780	3160	3560	4000	4450	4930	5430	5930	6450
M7KH-0064-CAA	RRT73C1E-CAA			2690	3040	3420	3840	4280	4750	5240	5750	6280	6820
M7ZH-0062-CFV	RRT81C1E-PFV				2860	3280	3760	4290	4850	5430	6030		
M7KH-0064-CAV	RRT73C1E-CAV			2640	3050	3470	3920	4390	4880	5400	5950	6520	7120
M7ZH-0062-CFA	RRT81C1E-PFA				3140	3570	4030	4500	4990	5500	6020		
M7ZH-H067-CFV	RRT81C1E-PFV				2940	3380	3880	4430	5000	5600	6210		
M7ZH-H067-CFA	RRT81C1E-PFA				3220	3660	4130	4620	5130	5650	6190		
M7KH-0075-CFV	RRT81C1E-PFV			2750	3160	3660	4230	4850	5500	6180	6860	7540	8200
M7KH-0075-CFA	RRT81C1E-PFA			2960	3420	3900	4420	4980	5560	6160	6790	7440	8110
M7ZH-0070-CFV	RRT10K1E-PFV					4210	4660	5120	5570				
M7ZH-0070-CFA	RRT10K1E-PFA					4140	4620	5110	5620				
M7ZH-H076-CFV	RRT10K1E-PFV					4330	4800	5270	5740	6220			
M7ZH-H076-CFA	RRT10K1E-PFA					4250	4750	5260	5790	6320			
M7KH-0083-CFA	RRT81C1E-PFA		2710	3170	3670	4220	4810	5450	6120	6850	7610	8410	9240
M7KH-0083-CFV	RRT81C1E-PFV		2600	2970	3460	4050	4720	5440	6200	6980	7750	8510	9230
M7KH-0086-CFV	RRT10K1E-PFV				4140	4670	5210	5760	6330	6910	7520	8160	8810
M7KH-0086-CFA	RRT10K1E-PFA			3540	4040	4580	5150	5740	6360	7000	7650	8320	9000
M7KH-0096-CFA	RRT10K1E-PFA		3280	3810	4390	5010	5670	6370	7100	7880	8680	9520	10400
M7KH-0096-CFV	RRT10K1E-PFV		3350	3920	4510	5120	5760	6430	7130	7880	8680	9530	10400

Capacities rated at 40°F return gas, 5°F subcooling

R-450A High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
110° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA				508	583	663	750	845	947	1060	1180	1300
M7JH-H012-IAA	ARE13C4E-IAA			457	531	611	698	794	899	1010	1140	1270	1420
M7ZH-0013-IAA	ARE13C4E-IAA			466	541	623	712	811	918	1040	1160	1300	1450
M7JH-0014-IAA	ARE17C4E-IAA				633	722	817	921	1030	1150	1280	1420	1560
M7JH-H015-IAA	ARE17C4E-IAA			577	664	760	864	977	1100	1230	1380	1530	1700
M7ZH-0016-IAA	ARE17C4E-IAA			588	677	775	881	998	1120	1260	1410	1570	1740
M7JH-0018-IAA	ARE25C4E-IAA					960	1080	1210	1340	1490	1660	1830	
M7JH-H020-IAA	ARE25C4E-IAA			797	909	1030	1170	1320	1480	1650	1840	2050	2270
M7JH-H021-IAA	ARE29C4E-IAA							1400	1550	1700			
M7JH-H024-IAA	ARE29C4E-IAA				1090	1220	1370	1540	1710	1900	2110	2320	2540
M7JH-H029-IAA	ARE35C5E-IAA				1240	1410	1600	1800	2020	2260	2510	2770	3050
M7ZH-0031-IAA	ARE35C5E-IAA			1110	1270	1450	1640	1850	2080	2330	2590	2870	3170
M7JH-H038-IAA	ARE48C5E-IAA						2150	2390	2640	2910			
M7JH-H038-IAV	ARE48C5E-IAV						2150	2390	2640	2910			
M7ZH-0041-IAA	ARE48C5E-IAA				1740	1970	2220	2480	2750	3050	3350	3680	4010
M7ZH-0041-IAV	ARE48C5E-IAV				1740	1970	2220	2480	2750	3050	3350	3680	4010
M7JH-H042-IAA	ARE54C5E-IAA								2930				
M7ZH-0045-IAA	ARE54C5E-IAA					2190	2480	2770	3080	3400	3730		
M7ZH-0045-IAV	ARE54C5E-IAV					2190	2480	2770	3080	3400	3730		
M7ZH-H046-IAA	RRT62C1E-IAA					2280	2570	2870	3180	3520	3880	4270	
M7ZH-H046-IAV	RRT62C1E-IAV					2290	2580	2880	3210	3560	3910	4280	
M7ZH-0051-IAV	RRT64C1E-IAV					2570	2890	3230	3590	3970			
M7ZH-0051-IAA	RRT64C1E-IAA					2650	2980	3320	3670				
M7ZH-H055-CAA	RRT64C1E-CAA					2740	3090	3440	3810	4180	4560		
M7ZH-H055-CAV	RRT64C1E-CAV					2690	3050	3430	3840	4260	4710		
M7GH-H057-CAV	RRT64C1E-CAV				2450	2800	3180	3580	4010	4470	4940	5440	5960
M7KH-0060-CAV	RRT64C1E-CAV				2470	2820	3200	3610	4040	4500	4990	5490	6020
M7GH-H057-CAA	RRT64C1E-CAA				2530	2880	3250	3640	4060	4480	4920	5360	5810
M7KH-0060-CAA	RRT64C1E-CAA				2540	2900	3270	3670	4090	4530	4980	5430	5900
M7KH-0064-CAA	RRT73C1E-CAA				2790	3160	3550	3970	4420	4890	5380	5890	6420
M7KH-0064-CAV	RRT73C1E-CAV				2770	3170	3590	4030	4490	4970	5480	6010	6570
M7ZH-H067-CFV	RRT81C1E-PFV					2990	3440	3960	4510				
M7ZH-H067-CFA	RRT81C1E-PFA					3330	3760	4220	4690				
M7KH-0075-CFV	RRT81C1E-PFV				2780	3220	3740	4330	4950	5610	6280	6950	
M7KH-0075-CFA	RRT81C1E-PFA					3550	4030	4550	5090	5660	6250	6860	
M7KH-0083-CFV	RRT81C1E-PFV				3030	3560	4180	4860	5600	6360	7130	7890	8630
M7KH-0083-CFA	RRT81C1E-PFA				3320	3840	4390	4990	5630	6310	7020	7780	8560
M7KH-0086-CFV	RRT10K1E-PFV					4250	4750	5260	5780	6320	6880		
M7KH-0086-CFA	RRT10K1E-PFA					4160	4690	5250	5830	6430			
M7KH-0096-CFV	RRT10K1E-PFV				4110	4680	5270	5890	6540	7230	7960	8730	9560
M7KH-0096-CFA	RRT10K1E-PFA				3990	4570	5200	5860	6550	7290	8050	8840	9660
M7ZH-0062-CFA	RRT81C1E-PFA						3670	4110					
M7ZH-0062-CFV	RRT81C1E-PFV					2900	3340	3840					
M7ZH-H076-CFA	RRT10K1E-PFA						4310						
M7ZH-H076-CFV	RRT10K1E-PFV						4370						

Capacities rated at 40°F return gas, 5°F subcooling

R-513A High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
90° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA			669	760	858	963	1080	1200	1330	1470	1620	1770
M7JH-H012-IAA	ARE13C4E-IAA			701	799	905	1020	1150	1280	1430	1590	1760	1950
M7ZH-0013-IAA	ARE13C4E-IAA			710	810	920	1040	1170	1310	1470	1630	1810	2010
M7JH-0014-IAA	ARE17C4E-IAA			829	934	1050	1170	1300	1430	1580	1730	1900	2070
M7JH-H015-IAA	ARE17C4E-IAA			869	984	1110	1240	1390	1540	1710	1890	2080	2280
M7ZH-0016-IAA	ARE17C4E-IAA			880	999	1130	1270	1420	1580	1750	1940	2140	2360
M7JH-0018-IAA	ARE25C4E-IAA			1130	1260	1400	1550	1710	1890	2070	2260	2460	2670
M7JH-H020-IAA	ARE25C4E-IAA			1190	1350	1510	1680	1870	2070	2290	2510	2760	3020
M7JH-0021-IAA	ARE29C4E-IAA			1350	1480	1630	1790	1960	2140	2330	2530	2730	2940
M7JH-H024-IAA	ARE29C4E-IAA			1440	1600	1770	1960	2170	2400	2640	2890	3160	3430
M7JH-0026-IAA	ARE35C5E-IAA			1450	1640	1840	2060	2280	2500	2730	2950	3170	3380
M7JH-H029-IAA	ARE35C5E-IAA			1560	1770	2010	2260	2530	2810	3100	3400	3710	4020
M7ZH-0031-IAA	ARE35C5E-IAA			1600	1820	2060	2330	2610	2910	3230	3550	3890	4230
M7JH-H034-IAV	ARE42C5E-IAV			1780	2010	2260	2520	2800	3090	3390			
M7ZH-0037-IAV	ARE42C5E-IAV			1830	2070	2340	2620	2920	3240	3570			
M7JH-H038-IAA	ARE48C5E-IAA			2140	2380	2650	2940	3250	3570	3910	4250	4590	4940
M7JH-H038-IAV	ARE48C5E-IAV			2140	2380	2650	2940	3250	3570	3910	4250	4590	4940
M7ZH-0041-IAA	ARE48C5E-IAA			2200	2450	2740	3060	3390	3750	4120	4510	4900	5300
M7ZH-0041-IAV	ARE48C5E-IAV			2200	2450	2740	3060	3390	3750	4120	4510	4900	5300
M7JH-H042-IAA	ARE54C5E-IAA			2300	2630	2970	3320	3670	4020	4370	4710	5030	5340
M7JH-H042-IAV	ARE54C5E-IAV			2300	2630	2970	3320	3670	4020	4370	4710	5030	5340
M7ZH-0045-IAA	ARE54C5E-IAA			2380	2730	3090	3470	3850	4250	4650	5050	5450	5840
M7ZH-0045-IAV	ARE54C5E-IAV			2380	2730	3090	3470	3850	4250	4650	5050	5450	5840
M7ZH-H046-IAA	RRT62C1E-IAA	2290	2570	2880	3230	3610	4020	4440	4870	5310	5750	6190	
M7ZH-H046-IAV	RRT62C1E-IAV	2290	2570	2880	3230	3610	4020	4440	4870	5310	5750	6190	
M7ZH-0051-IAV	RRT64C1E-IAV			2900	3250	3630	4030	4460	4900	5360	5830	6290	6760
M7ZH-0051-IAA	RRT64C1E-IAA		2560	2910	3300	3710	4140	4580	5020	5470	5920	6350	6770
M7ZH-H055-CAA	RRT64C1E-CAA		2690	3030	3400	3800	4230	4690	5160	5650	6150	6650	7150
M7ZH-H055-CAV	RRT64C1E-CAV		2690	3030	3400	3800	4230	4690	5160	5650	6150	6650	7150
M7GH-H057-CAA	RRT64C1E-CAA	2330	2630	2980	3370	3790	4250	4740	5250	5780			
M7GH-H057-CAV	RRT64C1E-CAV	2330	2630	2980	3370	3790	4250	4740	5250	5780			
M7KH-0060-CAA	RRT64C1E-CAA	2470	2800	3160	3570	4020	4500	5010	5550	6120	6700	7300	7910
M7KH-0060-CAV	RRT64C1E-CAV	2470	2800	3160	3570	4020	4500	5010	5550	6120	6700	7300	7910
M7ZH-0062-CFA	RRT81C1E-PFA			3200	3610	4110	4680	5310	5980	6680	7380	8090	
M7ZH-0062-CFV	RRT81C1E-PFV			3200	3610	4110	4680	5310	5980	6680	7380	8090	
M7KH-0064-CAA	RRT73C1E-CAA		3040	3510	3990	4500	5040	5590	6170	6780	7400	8050	8710
M7KH-0064-CAV	RRT73C1E-CAV		3040	3510	3990	4500	5040	5590	6170	6780	7400	8050	8710
M7ZH-H067-CFA	RRT81C1E-PFA		3000	3300	3730	4250	4850	5500	6180	6880	7600	8310	
M7ZH-H067-CFV	RRT81C1E-PFV		3000	3300	3730	4250	4850	5500	6180	6880	7600	8310	
M7ZH-0070-CFA	RRT10K1E-PFA				4610	5130	5670	6230	6790	7360			
M7ZH-0070-CFV	RRT10K1E-PFV				4610	5130	5670	6230	6790	7360			
M7KH-0075-CFA	RRT81C1E-PFA		3180	3550	4050	4660	5340	6080	6850	7650	8450	9240	9990
M7KH-0075-CFV	RRT81C1E-PFV		3180	3550	4050	4660	5340	6080	6850	7650	8450	9240	9990
M7ZH-H076-CFA	RRT10K1E-PFA			4220	4740	5280	5840	6410	6990	7580	8180		
M7ZH-H076-CFV	RRT10K1E-PFV			4220	4740	5280	5840	6410	6990	7580	8180		
M7KH-0083-CFA	RRT81C1E-PFA	3020	3280	3730	4330	5040	5840	6690	7570	8450			
M7KH-0083-CFV	RRT81C1E-PFV	3020	3280	3730	4330	5040	5840	6690	7570	8450			
M7KH-0086-CFA	RRT10K1E-PFA		3980	4520	5110	5730	6370	7050	7760	8490	9240	10000	10800
M7KH-0086-CFV	RRT10K1E-PFV		3980	4520	5110	5730	6370	7050	7760	8490	9240	10000	10800
M7KH-0096-CFA	RRT10K1E-PFA	3590	4150	4760	5420	6130	6890	7700	8570	9480			
M7KH-0096-CFV	RRT10K1E-PFV	3590	4150	4760	5420	6130	6890	7700	8570	9480			

Capacities rated at 40°F return gas (65°F return gas for capacities in **bold**), 5°F subcooling

R-513A High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
100° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA			612	695	784	880	983	1090	1210	1340	1470	1620
M7JH-H012-IAA	ARE13C4E-IAA			646	736	834	940	1060	1180	1310	1460	1620	1790
M7ZH-0013-IAA	ARE13C4E-IAA			657	749	850	960	1080	1210	1350	1500	1670	1850
M7JH-0014-IAA	ARE17C4E-IAA			761	858	962	1070	1190	1320	1450	1600	1750	1910
M7JH-H015-IAA	ARE17C4E-IAA			806	912	1030	1150	1280	1430	1580	1750	1920	2110
M7ZH-0016-IAA	ARE17C4E-IAA			821	930	1050	1180	1320	1470	1630	1800	1990	2190
M7JH-0018-IAA	ARE25C4E-IAA			1030	1150	1280	1420	1560	1720	1890	2060	2250	2450
M7JH-H020-IAA	ARE25C4E-IAA			1110	1240	1390	1550	1730	1910	2110	2330	2560	2800
M7JH-0021-IAA	ARE29C4E-IAA				1370	1500	1640	1790	1960	2130	2310	2500	
M7JH-H024-IAA	ARE29C4E-IAA			1340	1480	1630	1810	2000	2200	2420	2650	2890	3140
M7JH-0026-IAA	ARE35C5E-IAA					1690	1890	2080	2280	2480			
M7JH-H029-IAA	ARE35C5E-IAA			1440	1640	1860	2100	2340	2600	2870	3140	3420	3700
M7ZH-0031-IAA	ARE35C5E-IAA			1480	1690	1920	2170	2430	2710	3000	3300	3610	3920
M7JH-H034-IAV	ARE42C5E-IAV			1620	1840	2070	2320	2580	2840	3120			
M7ZH-0037-IAV	ARE42C5E-IAV			1680	1910	2150	2420	2700	2990	3290			
M7JH-H038-IAA	ARE48C5E-IAA			2050	2250	2490	2740	3020	3310	3610	3910	4210	
M7JH-H038-IAV	ARE48C5E-IAV			2050	2250	2490	2740	3020	3310	3610	3910	4210	
M7ZH-0041-IAA	ARE48C5E-IAA			2080	2310	2570	2850	3160	3480	3820	4170	4530	4880
M7ZH-0041-IAV	ARE48C5E-IAV			2080	2310	2570	2850	3160	3480	3820	4170	4530	4880
M7JH-H042-IAA	ARE54C5E-IAA			2140	2440	2750	3070	3380	3690	3990	4280		
M7JH-H042-IAV	ARE54C5E-IAV			2140	2440	2750	3070	3380	3690	3990	4280		
M7ZH-0045-IAA	ARE54C5E-IAA			2210	2540	2870	3220	3580	3930	4290	4640	4990	5320
M7ZH-0045-IAV	ARE54C5E-IAV			2210	2540	2870	3220	3580	3930	4290	4640	4990	5320
M7ZH-H046-IAA	RRT62C1E-IAA			2370	2660	2970	3320	3690	4070	4470	4870	5270	5670
M7ZH-H046-IAV	RRT62C1E-IAV			2370	2660	2970	3320	3690	4070	4470	4870	5270	5670
M7ZH-0051-IAV	RRT64C1E-IAV				2980	3330	3700	4090	4500	4920	5350	5770	
M7ZH-0051-IAA	RRT64C1E-IAA				2980	3360	3750	4140	4530	4920	5290	5650	
M7ZH-H055-CAA	RRT64C1E-CAA				3120	3490	3890	4310	4740	5190	5650	6110	6570
M7ZH-H055-CAV	RRT64C1E-CAV				3120	3490	3890	4310	4740	5190	5650	6110	6570
M7GH-H057-CAA	RRT64C1E-CAA			2720	3080	3460	3880	4330	4800	5290			
M7GH-H057-CAV	RRT64C1E-CAV			2720	3080	3460	3880	4330	4800	5290			
M7KH-0060-CAA	RRT64C1E-CAA			2910	3290	3700	4140	4620	5120	5640	6190	6740	7310
M7KH-0060-CAV	RRT64C1E-CAV			2910	3290	3700	4140	4620	5120	5640	6190	6740	7310
M7ZH-0062-CFA	RRT81C1E-PFA				3210	3660	4200	4800	5440	6120			
M7ZH-0062-CFV	RRT81C1E-PFV				3210	3660	4200	4800	5440	6120			
M7ZH-H067-CFA	RRT81C1E-PFA				3310	3780	4340	4950	5620	6310			
M7ZH-H067-CFV	RRT81C1E-PFV				3310	3780	4340	4950	5620	6310			
M7KH-0064-CAA	RRT73C1E-CAA			3230	3680	4150	4650	5160	5690	6240	6810	7390	7990
M7KH-0064-CAV	RRT73C1E-CAV			3230	3680	4150	4650	5160	5690	6240	6810	7390	7990
M7KH-0075-CFA	RRT81C1E-PFA			3140	3570	4130	4770	5480	6230	7020	7810	8600	9360
M7KH-0075-CFV	RRT81C1E-PFV			3140	3570	4130	4770	5480	6230	7020	7810	8600	9360
M7ZH-0070-CFA	RRT10K1E-PFA						5220	5740					
M7ZH-0070-CFV	RRT10K1E-PFV						5220	5740					
M7ZH-H076-CFA	RRT10K1E-PFA				4850	5370	5900	6430					
M7ZH-H076-CFV	RRT10K1E-PFV				4850	5370	5900	6430					
M7KH-0083-CFA	RRT81C1E-PFA		2880	3230	3750	4410	5160	5990	6860	7750			
M7KH-0083-CFV	RRT81C1E-PFV		2880	3230	3750	4410	5160	5990	6860	7750			
M7KH-0086-CFA	RRT10K1E-PFA				4680	5260	5870	6510	7160	7840	8540	9250	
M7KH-0086-CFV	RRT10K1E-PFV				4680	5260	5870	6510	7160	7840	8540	9250	
M7KH-0096-CFA	RRT10K1E-PFA		3730	4300	4920	5590	6300	7050	7860	8700			
M7KH-0096-CFV	RRT10K1E-PFV		3730	4300	4920	5590	6300	7050	7860	8700			

Capacities rated at 40°F return gas (65°F return gas for capacities in **bold**), 5°F subcooling

R-513A High Temp

Copeland air-cooled condensing units

Model	Compressor	-10	-5	0	5	10	15	20	25	30	35	40	45
110° Ambient													
M7JH-0012-IAA	ARE13C4E-IAA				628	709	796	889	988	1100	1210	1330	1460
M7JH-H012-IAA	ARE13C4E-IAA			584	666	756	852	957	1070	1190	1330	1470	1630
M7ZH-0013-IAA	ARE13C4E-IAA			599	684	776	876	985	1100	1230	1370	1520	1690
M7JH-0014-IAA	ARE17C4E-IAA					875	978	1090	1210	1330	1460	1610	1760
M7JH-H015-IAA	ARE17C4E-IAA			733	831	937	1050	1180	1310	1450	1610	1770	1950
M7ZH-0016-IAA	ARE17C4E-IAA			752	854	963	1080	1210	1350	1500	1660	1830	2020
M7JH-0018-IAA	ARE25C4E-IAA							1400	1550	1700			
M7JH-H020-IAA	ARE25C4E-IAA				1130	1270	1410	1570	1740	1930	2130	2340	2570
M7JH-H024-IAA	ARE29C4E-IAA				1360	1500	1650	1830	2010	2210	2420	2640	2870
M7JH-H029-IAA	ARE35C5E-IAA					1710	1930	2150	2390	2630	2870	3120	
M7ZH-0031-IAA	ARE35C5E-IAA				1560	1770	2000	2240	2490	2760	3030	3310	3590
M7JH-H034-IAV	ARE42C5E-IAV						2110	2350	2590	2840			
M7ZH-0037-IAV	ARE42C5E-IAV				1740	1960	2210	2460	2730	3000			
M7JH-H038-IAA	ARE48C5E-IAA								3040				
M7JH-H038-IAV	ARE48C5E-IAV								3040				
M7ZH-0041-IAA	ARE48C5E-IAA					2410	2660	2930	3210	3510	3820	4130	
M7ZH-0041-IAV	ARE48C5E-IAV					2410	2660	2930	3210	3510	3820	4130	
M7ZH-0045-IAA	ARE54C5E-IAA						2960	3270	3580	3890			
M7ZH-0045-IAV	ARE54C5E-IAV						2960	3270	3580	3890			
M7ZH-H046-IAA	RRT62C1E-IAA					2720	3030	3370	3710	4070	4440		
M7ZH-H046-IAV	RRT62C1E-IAV					2720	3030	3370	3710	4070	4440		
M7ZH-0051-IAA	RRT64C1E-IAA						3330	3670	4000				
M7ZH-0051-IAV	RRT64C1E-IAV						3370	3720					
M7ZH-H055-CAA	RRT64C1E-CAA					3180	3540	3930	4320	4740			
M7ZH-H055-CAV	RRT64C1E-CAV					3180	3540	3930	4320	4740			
M7GH-H057-CAA	RRT64C1E-CAA				2780	3140	3520	3930	4350	4800			
M7GH-H057-CAV	RRT64C1E-CAV				2780	3140	3520	3930	4350	4800			
M7KH-0060-CAA	RRT64C1E-CAA				3000	3380	3790	4220	4680	5170	5670	6180	6710
M7KH-0060-CAV	RRT64C1E-CAV				3000	3380	3790	4220	4680	5170	5670	6180	6710
M7ZH-0062-CFA	RRT81C1E-PFA						3760	4330					
M7ZH-0062-CFV	RRT81C1E-PFV						3760	4330					
M7ZH-H067-CFA	RRT81C1E-PFA					3370	3870	4460					
M7ZH-H067-CFV	RRT81C1E-PFV					3370	3870	4460					
M7KH-0064-CAA	RRT73C1E-CAA					3790	4230	4690	5160	5650	6160	6670	
M7KH-0064-CAV	RRT73C1E-CAV					3790	4230	4690	5160	5650	6160	6670	
M7KH-0075-CFA	RRT81C1E-PFA				3160	3640	4230	4900	5630	6390	7180		
M7KH-0075-CFV	RRT81C1E-PFV				3160	3640	4230	4900	5630	6390	7180		
M7KH-0083-CFA	RRT81C1E-PFA			2810	3230	3810	4500	5290	6130	7000			
M7KH-0083-CFV	RRT81C1E-PFV			2810	3230	3810	4500	5290	6130	7000			
M7KH-0086-CFA	RRT10K1E-PFA					4820	5380	5970	6570				
M7KH-0086-CFV	RRT10K1E-PFV					4820	5380	5970	6570				
M7KH-0096-CFA	RRT10K1E-PFA				4440	5060	5710	6410	7150	7930			
M7KH-0096-CFV	RRT10K1E-PFV				4440	5060	5710	6410	7150	7930			

Capacities rated at 40°F return gas (65°F return gas for capacities in **bold**), 5°F subcooling

Rcommended New Model	Available BOMs	Service Compressor	New L	New W	New H	New Liquid	New Suction	New MCA	New Rated Capacities			
									LT_134a	LT_404A	MT_134a	MT_404A
M7JH-H038-IAV-179	028, 078, 177, 179	ARE48C5E-IAV-901	13.96	11.46	9.67	1/4		6.8				3450
M7JH-H038-IAV-179	028, 078, 177, 179	ARE48C5E-IAV-901	13.96	11.46	9.67	1/4		6.8				3450
M7ZH-H067-CFV-177	177, 179, 212, 272	RRT81C1E-PFV-901	17.31	13.81	12.29	3/8	1/2	8.7				6070
M7ZH-H067-CFV-179	177, 179, 212, 272	RRT81C1E-PFV-901	16.46	14.16	12.18	1/4		8.7				6070
M7GH-H057-CAA-179	177, 179, 212, 272	RRT64C1E-CAA-901	18.10	14.34	11.79	1/4		15.5	2190			5060
Obsolete												
M7TH-0036-IAA-108	108, 118, 177	ARE48C5E-IAA-901	19.04	8.47	10.53	1/4	5/16	10.7				3370
M7ZH-0041-IAA-177	177, 179, 212, 272	ARE48C5E-IAA-901	16.58	12.68	11.73	1/4	5/16	10.9				3600
M7ZH-0041-IAA-179	177, 179, 212, 272	ARE48C5E-IAA-901	16.18	13.32	11.73	1/4	5/16	10.9				3600
M7GP-H066-CFA-179	177, 179, 212, 272	RFT18C1E-PFA-901	18.10	14.34	11.79	1/4		13.8	2650			5710
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-177	028, 078, 177, 179	AFF10C1E-IAA-901	14.37	12.11	11.38	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JP-0029-IAA-179	028, 078, 177, 179	AFF10C1E-IAA-901	14.08	12.12	9.66	1/4	5/16	4.9	1230			2750
M7JM-H036-IAA-179	177, 179, 212, 272	AFE12C4E-IAA-901	13.96	11.56	9.67	1/4		8.8	1560			
M7GH-H057-CAA-179	177, 179, 212, 272	RRT64C1E-CAA-901	18.10	14.34	11.79	1/4		15.5	2190			5060
M7GH-H057-CAA-179	177, 179, 212, 272	RRT64C1E-CAA-901	18.10	14.34	11.79	1/4		15.5	2190			5060
M7EH-0020-IAA-111	028, 103, 111	ARE25C4E-IAA-901	16.00	14.25	10.48	1/4	5/16	6.8				1970
M7EH-0020-IAA-028	028, 103, 111	ARE25C4E-IAA-901	16.00	14.25	10.43	1/4	3/8	6.8				1970
M7EH-0020-IAA-028	028, 103, 111	ARE25C4E-IAA-901	16.00	14.25	10.43	1/4	3/8	6.8				1970
M7EH-0020-IAA-103	028, 103, 111	ARE25C4E-IAA-901	16.00	14.25	10.52	1/4	5/16	6.8				1970
M7EH-0020-IAA-111	028, 103, 111	ARE25C4E-IAA-901	16.00	14.25	10.48	1/4	5/16	6.8				1970
M7EH-0020-IAA-103	028, 103, 111	ARE25C4E-IAA-901	16.00	14.25	10.52	1/4	5/16	6.8				1970
M7BH-0064-CAA-179	177, 179, 212, 272	RRT73C1E-CAA-901	24.00	16.69	13.64	1/4	3/8	15.8	2420			5890
M7BH-0075-CFA-177	177, 179, 212, 272	RRT81C1E-PFA-901	24.00	16.29	13.64	3/8	1/2	18.3				6720
M7BH-0075-CFA-177	177, 179, 212, 272	RRT81C1E-PFA-901	24.00	16.29	13.64	3/8	1/2	18.3				6720
M7BH-0075-CFV-179	177, 179, 212, 272	RRT81C1E-PFV-901	24.00	16.29	13.64	1/4	1/2	9.3				6720
M7BH-0075-CFV-177	177, 179, 212, 272	RRT81C1E-PFV-901	24.00	16.29	13.64	3/8	1/2	9.3				6720
M7BH-0086-CFV-179	177, 179, 212, 272	RRT10K1E-PFV-901	24.00	16.29	13.64	1/4	1/2	11.2				7610
M7EH-0024-IAA-103	028, 103, 111	ARE29C4E-IAA-901	16.00	14.25	10.52	1/4	5/16	5.5				2290
M7EH-0024-IAA-111	028, 103, 111	ARE29C4E-IAA-901	16.00	14.25	10.48	1/4	5/16	5.5				2290
M7EH-0024-IAA-103	028, 103, 111	ARE29C4E-IAA-901	16.00	14.25	10.52	1/4	5/16	5.5				2290
M7EH-0024-IAA-028	028, 103, 111	ARE29C4E-IAA-901	16.00	14.25	10.43	1/4	3/8	5.5				2290
M7EH-0041-IAA-103	103, 111, 212	ARE54C5E-IAA-901	16.00	14.25	10.52	1/4	5/16	12.3				3830
M7EP-H059-CFA-103	103, 111, 212	RFT18C1E-PFA-901	16.26	15.59	12.46	1/4	3/8	13	2470			5120
M7EP-0032-IAA-028	028, 103, 111	AFF10C1E-IAA-901	16.35	14.25	10.46	1/4	5/16	4.9	1330			3100
M7EH-H053-IAA-103	103, 111, 212	RRT64C1E-IAA-901	16.26	15.62	11.75	1/4	3/8	14.6				4410
M7EH-H053-IAA-111	103, 111, 212	RRT64C1E-IAA-901	16.26	15.66	11.75	1/4	1/2	14.6				4410
M7EH-H053-IAA-111	103, 111, 212	RRT64C1E-IAA-901	16.26	15.66	11.75	1/4	1/2	14.6				4410
M7EH-H053-IAA-103	103, 111, 212	RRT64C1E-IAA-901	16.26	15.62	11.75	1/4	3/8	14.6				4410
M7EH-H053-IAA-212	103, 111, 212	RRT64C1E-IAA-901	16.26	15.62	11.86	1/4	3/8	14.6				4410
M7EH-H053-IAV-111	103, 111, 212	RRT64C1E-IAV-901	16.26	15.66	11.75	1/4	1/2	14.6				4410
M7BH-0060-CAA-177	177, 179, 212, 272	RRT64C1E-CAA-901	24.00	16.69	13.64	3/8	3/8	15.8	2300			5290
M7BH-0060-CAV-179	177, 179, 212, 272	RRT64C1E-CAV-901	24.00	16.69	13.64	1/4	3/8	9.2	2300			5290
M7BH-0086-CFA-177	177, 179, 212, 272	RRT10K1E-PFA-901	24.00	16.29	13.64	3/8	1/2	19				7610
M7BH-0086-CFA-272	177, 179, 212, 272	RRT10K1E-PFA-901	24.00	16.42	13.64	3/8	1/2	19				7610
M7BH-0086-CFV-177	177, 179, 212, 272	RRT10K1E-PFV-901	24.00	16.29	13.64	3/8	1/2	11.2				7610
M7BH-0086-CFV-177	177, 179, 212, 272	RRT10K1E-PFV-901	24.00	16.29	13.64	3/8	1/2	11.2				7610
M7BH-0086-CFV-272	177, 179, 212, 272	RRT10K1E-PFV-901	24.00	16.42	13.64	3/8	1/2	11.2				7610
M7BH-0086-CFV-177	177, 179, 212, 272	RRT10K1E-PFV-901	24.00	16.29	13.64	3/8	1/2	11.2				7610
M7EH-H044-IAA-111	103, 111, 212	RRT62C1E-IAA-901	16.67	15.36	11.75	1/4	1/2	12.8				3890
M7EH-H044-IAA-111	103, 111, 212	RRT62C1E-IAA-901	16.67	15.36	11.75	1/4	1/2	12.8				3890

Rcommended New Model	Available BOMs	Service Compressor	New L	New W	New H	New Liquid	New Suction	New MCA	New Rated Capacities			
									LT_134a	LT_404A	MT_134a	MT_404A
M7ZH-H067-CFV-272	177, 179, 212, 272	RRT81C1E-PFV-901	17.31	13.82	12.29	3/8	5/8	8.7				6070
M7KH-0075-CFA-179	020, 072, 177, 179, 212, 272	RRT81C1E-PFA-901	24.00	16.27	13.08	1/4	5/8	18.3				6720
M7KH-0075-CFA-179	020, 072, 177, 179, 212, 272	RRT81C1E-PFA-901	24.00	16.27	13.08	1/4	5/8	18.3				6720
M7KH-0075-CFV-072	020, 072, 177, 179, 212, 272	RRT81C1E-PFV-901	24.00	16.39	13.08	3/8	5/8	9.3				6720
M7KH-0075-CFV-179	020, 072, 177, 179, 212, 272	RRT81C1E-PFV-901	24.00	16.27	13.08	1/4	5/8	9.3				6720
M7KH-0075-CFV-177	020, 072, 177, 179, 212, 272	RRT81C1E-PFV-901	24.00	16.39	13.08	3/8	1/2	9.3				6720
M7JH-0021-IAA-179	028, 078, 177, 179	ARE29C4E-IAA-901	13.91	11.46	9.61	1/4	3/8	5.5				2090
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-177	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	14.39	11.57	11.37	1/4	3/8	9.3				2640
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-177	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	14.39	11.57	11.37	1/4	3/8	9.3				2640
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-177	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-179	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	13.96	11.56	9.67	1/4		9.3				2640
M7JH-H029-IAA-177	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	14.39	11.57	11.37	1/4	3/8	9.3				2640
M7JH-H029-IAA-272	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	14.41	12.12	11.37	1/4	3/8	9.3				2640
M7JH-H029-IAA-272	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	14.41	12.12	11.37	1/4	3/8	9.3				2640
M7JH-H029-IAA-177	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	14.39	11.57	11.37	1/4	3/8	9.3				2640
M7JH-H029-IAA-177	103, 177, 179, 212, 272,	ARE35C5E-IAA-901	14.39	11.57	11.37	1/4	3/8	9.3				2640
M7JH-H038-IAV-177	028, 078, 177, 179	ARE48C5E-IAV-901	14.39	11.45	11.37	1/4	3/8	6.8				3450
M7JH-H038-IAV-179	028, 078, 177, 179	ARE48C5E-IAV-901	13.96	11.46	9.67	1/4		6.8				3450
M7JH-H038-IAV-179	028, 078, 177, 179	ARE48C5E-IAV-901	13.96	11.46	9.67	1/4		6.8				3450
M7JH-H038-IAV-177	028, 078, 177, 179	ARE48C5E-IAV-901	14.39	11.45	11.37	1/4	3/8	6.8				3450
M7JH-H038-IAV-179	028, 078, 177, 179	ARE48C5E-IAV-901	13.96	11.46	9.67	1/4		6.8				3450
M7JH-H038-IAV-078	028, 078, 177, 179	ARE48C5E-IAV-901	14.41	12.12	11.37	1/4	3/8	6.8				3450
M7JH-H038-IAV-177	028, 078, 177, 179	ARE48C5E-IAV-901	14.39	11.45	11.37	1/4	3/8	6.8				3450
M7JH-H038-IAV-177	028, 078, 177, 179	ARE48C5E-IAV-901	14.39	11.45	11.37	1/4	3/8	6.8				3450
M7ZH-H046-IAA-177	177, 179, 212, 272	RRT62C1E-IAA-901	17.45	13.46	11.71	3/8		12.8				4210
M7ZH-H046-IAA-179	177, 179, 212, 272	RRT62C1E-IAA-901	16.60	14.09	11.71	1/4		12.8				4210
M7ZH-H046-IAA-177	177, 179, 212, 272	RRT62C1E-IAA-901	17.45	13.46	11.71	3/8		12.8				4210
M7ZH-H046-IAA-179	177, 179, 212, 272	RRT62C1E-IAA-901	16.60	14.09	11.71	1/4		12.8				4210
M7ZH-H046-IAA-179	177, 179, 212, 272	RRT62C1E-IAA-901	16.60	14.09	11.71	1/4		12.8				4210
M7ZH-H046-IAA-177	177, 179, 212, 272	RRT62C1E-IAA-901	17.45	13.46	11.71	3/8		12.8				4210
M7ZH-H046-IAA-179	177, 179, 212, 272	RRT62C1E-IAA-901	16.60	14.09	11.71	1/4		12.8				4210
M7ZH-H046-IAA-272	177, 179, 212, 272	RRT62C1E-IAA-901	17.45	13.57	11.71	3/8	3/8	12.8				4210
M7ZH-H046-IAA-272	177, 179, 212, 272	RRT62C1E-IAA-901	17.45	13.57	11.71	3/8	3/8	12.8				4210
M7ZH-H046-IAA-272	177, 179, 212, 272	RRT62C1E-IAA-901	17.45	13.57	11.71	3/8	3/8	12.8				4210
M7ZH-H046-IAV-177	028, 078, 177, 179	RRT62C1E-IAV-901	17.45	13.46	11.71	3/8		6				4210
M7ZH-H046-IAV-179	028, 078, 177, 179	RRT62C1E-IAV-901	16.60	14.09	11.71	1/4		6				4210
M7ZH-H046-IAV-179	028, 078, 177, 179	RRT62C1E-IAV-901	16.60	14.09	11.71	1/4		6				4210
M7ZH-H046-IAV-177	028, 078, 177, 179	RRT62C1E-IAV-901	17.45	13.46	11.71	3/8		6				4210
M7GH-H057-CAA-272	177, 179, 212, 272	RRT64C1E-CAA-901	18.88	14.34	11.83	3/8	5/16	15.5	2190			5060
M7GH-H057-CAA-177	177, 179, 212, 272	RRT64C1E-CAA-901	18.86	14.34	11.79	3/8		15.5	2190			5060
M7GH-H057-CAA-179	177, 179, 212, 272	RRT64C1E-CAA-901	18.10	14.34	11.79	1/4		15.5	2190			5060
M7GH-H057-CAA-179	177, 179, 212, 272	RRT64C1E-CAA-901	18.10	14.34	11.79	1/4		15.5	2190			5060
M7GH-H057-CAA-179	177, 179, 212, 272	RRT64C1E-CAA-901	18.10	14.34	11.79	1/4		15.5	2190			5060
M7GH-H057-CAA-177	177, 179, 212, 272	RRT64C1E-CAA-901	18.86	14.34	11.79	3/8		15.5	2190			5060
M7GH-H057-CAA-272	177, 179, 212, 272	RRT64C1E-CAA-901	18.88	14.34	11.83	3/8	5/16	15.5	2190			5060
M7GH-H057-CAA-272	177, 179, 212, 272	RRT64C1E-CAA-901	18.88	14.34	11.83	3/8	5/16	15.5	2190			5060
M7ZH-H055-CAV-177	177, 179, 212, 272	RRT64C1E-CAV-901	17.36	13.45	11.75	3/8		14.6				4930
M7ZH-H055-CAV-177	177, 179, 212, 272	RRT64C1E-CAV-901	17.36	13.45	11.75	3/8		14.6				4930
M7ZH-H055-CAV-177	177, 179, 212, 272	RRT64C1E-CAV-901	17.36	13.45	11.75	3/8		14.6				4930
M7ZH-H055-CAV-177	177, 179, 212, 272	RRT64C1E-CAV-901	17.36	13.45	11.75	3/8		14.6				4930
M7ZH-H055-CAA-179	177, 179, 212, 272	RRT64C1E-CAA-901	16.60	14.11	11.71	1/4		14.6				4930