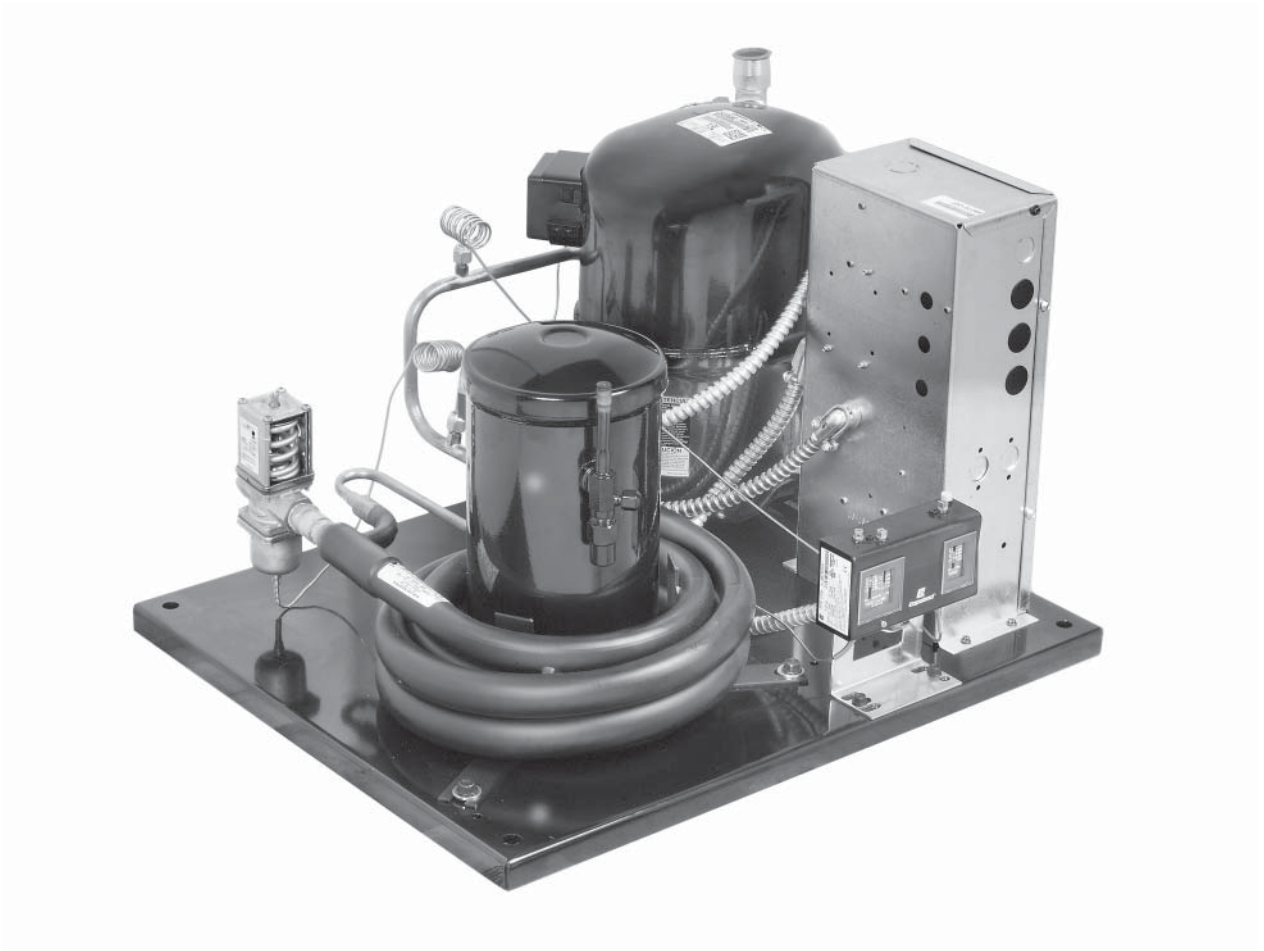
M and F Line

SystemPro® hermetic water-cooled condensing units



Product Information

Horsepower:	1/4 – 5
Temperature Applications:	Low/Medium/High
Refrigerants:	R-134a, R-404A, R-22, R-407C
Installation Applications:	A variety of applications including walk-in boxes

EMERSON™
Climate Technologies

Nomenclature • Welded Condensing Units

Temperature Application	Code
High Temperature	H
Medium Temperature	M
Low Temperature	L
Extended Medium Temp.	F
Extra Low Temperature	E
Multiple	S
Multiple	N

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	Three Phase - General	T
3	Star (Wye) Delta	E
3	6 Lead - Part Winding or Across the Line	F

Bill Of Material (BOM)	
001 thru 099	Intended for UL Listing and CUL Certified
100 thru 299	Intended for UL Rercognition and CUL Certified
300 thru 399	Not eligible for either UL Listing, UL Recognition or CUL Certified

X X X X - X X X X - X X X - X X X

Condensing Unit Family Series

Type of Design	Code
Air Cooled Steel Base	A
Air Cooled Copevap Base	E/P
Narrow Air Cooled Copevap	T
Water Cooled Steel Base	W
Custom Base	C
Discus	D

Refrigerant	Code
R404A/507	J/4
R134a	T/2
R12	B
R22	C/3/M
Multiple	F
R22/407C	G
R22	9
R134a/404A/22	N
R134a/404A	P
R404A/22	8

Comp. Motor Rating	
Nominal HP	Code
1/2	0050
3/4	0075
1	0100
1-1/2	0150
2	0200
3	0300
4	0400
5	0500
6	0600
7-1/2	7500
9	0900
10	1000
15	1500

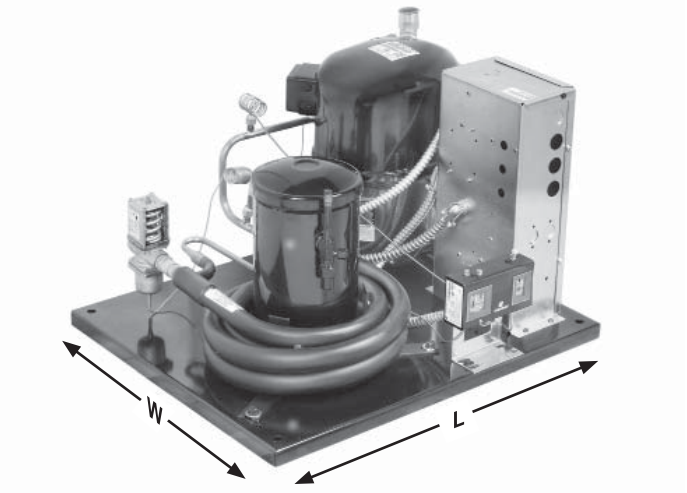
Compressor Motor Protection	
Type Protection	Code
External Inherent Protection- One Protector (Line Break)	A
Internal Inherent Protection – One Protector (Line Break)	F
Internal Thermal Protection – Electronic Sensors; and Control Module External	S

Electrical Codes		
60 Hz.	50 Hz.	Code
115-1	100-1	A
230-1	-	B
208/230-3	200/220-3	C
460-3	-	D
575-3	-	E
-	230-1	G
-	380/420-3	M
208/230-1	200-1	V
-	220-3	W
-	220/240-1	Z

Note: When applicable, specific 50 Hz ratings (not necessarily identical to typical shown above) will be shown as alternate on 60 Hz rated models.

Unit Feature -020 Bill of Material

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



Control Data -020 Bill of Material

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

* This data applies to units listed in this brochure only. [1] Except units using R compressor [2] Except units using CS or CF compressor

SystemPro® hermetic water-cooled condensing units

Features	Benefits
Copeland® Hermetic Compressor	Reliability
	High Energy Efficiency
Modular Components	Replacement Serviceability
High, Medium, and Low Temperature Ranges	Application Flexibility

Resources and Support

EmersonClimate.com

- Online Product Information and Technical Data
  - Application Engineering Bulletins
  - Instruction Sheets
  - Marketing Brochures
- Where to Buy

Application Engineering Bulletins

4-1273 Factors to Consider in Converting Compressor Rated Capacity to Actual Capacity

4-1292 Medium Temperature R-22 Copelaweld Compressors

4-1295 HFC-135A Refrigerant Guidelines

4-1298 Extended Medium Temperature R-404A/507 Hermetic Compressors and Condensing Units

4-1305 SystemPro AF, AR, & AS Refrigeration Hermetic 1/8 - 1 Horsepower Compressors

4-1306 Application Guidelines for RF Low Temperature Refrigeration Compressors

4-1307 Application Guidelines For CF Refrigeration Compressors and Condensing Units

5-1174 Water Flow Requirements and Water Pressure Drop for Copeland Water-Cooled Condensing Units

11-1147 Suction Accumulators

17-1260 Compressor Overheating

17-1268 Compression Ratio as it Affects Compressor Reliability

22-1182 Liquid Refrigerant Control in Refrigeration and Air Conditioning Systems

For more information, visit **EmersonClimate.com** and login to the Customer Portal to view Online Product Information

SystemPro® water-cooled condensing units

Capacity Data

HIGH/MED TEMP				Capacity (BTU/Hr) at 75° - Evaporator Temp (°F)			
Model	BOM	Refrig.	H.P.	0	+10	+15	+20
MCWH-C027-IAA	020	22	1/4	1490	1980	2260	2570
M2WH-C026-IAA	020	134a	1/4		1360	1620	1890
M4WH-C025-IAA	020	404A	1/4		2030	2260	2520
MCWH-C036-IAA	020	22	1/3		2280	2600	2950
M2WH-C033-IAA, IAV	020	134a	1/3		1790	2190	2590
M2WH-C040-IAA	020	134a	1/3		2130	2530	2950
M4WH-C036-IAA, IAV	020	404A	1/3		2460	2780	3130
MCWH-C049-CAA, CAV	020	22	1/2		3220	3660	4130
MCWH-C056-IAA, IAV	020	22	1/2		3730	4230	4780
M2WH-C049-IAA, IAV	020	134a	1/2		2590	3050	3540
M2WH-C050-IAA, IAV	020	134a	1/2		2970	3520	4110
M2WH-D056-IAA	020	134a	1/2		3770	4300	4880
M4WH-C050-CAA, CAV	020	404A	1/2		3570	4020	4530
M4WF-C056-IAA, IAV	020	404A	1/2	3250	4200	4730	5290
F3WH-C078-IAA	020	22	3/4		4550	5310	6110
FTWH-C074-IAA, IAV	020	134a	3/4		4260	4940	5690
FTWM-C075-IAA, IAV	020	134a	3/4		4650	5580	6650
M4WF-C075-CAA, CAV	020	404A	3/4	4220	5410	6080	6790
F3WH-C100-CAV	020	22	1		5950	6800	7730
F3WM-C105-CFV, TFC	020	22	1		6550	7720	8970
FPWN-C150-CFV, TFC, TFD	020	134a	1		5150	6260	7510
FJWF-C106-CAV	020	404A	1	5420	6910	7720	8570
FPWN-C225-CFV, TFC, TFD	020	134a	1-1/4		7630	9050	10700
FJWM-C125-CFV, TFC	020	404A	1-1/4	5400	7070	8030	9100
FJWM-C126-CAV, TFC	020	404A	1-1/4	6380	8240	9290	10400
FGWH-A151-CFV, TFC, TFD	020	22	1-1/2		8120	9760	11600
FGWH-A151-CFV, TFC, TFD	020	407C	1-1/2	5370	7950	9330	10800
FPWN-C300-CFV, TFC,TFD	020	134a	1-1/2		9720	11500	13600
FPWN-C150-CFV, TFC, TFD	020	404A	1-1/2	7350	10300	11900	13700
FGWH-A201-CFV, TFC, TFD	020	22	2		10400	12400	14600
FGWH-A201-CFV, TFC, TFD	020	407C	2	6720	9950	11700	13500
FJWM-C200-CFV, TFC	020	404A	2	8720	12000	13900	15800
FGWH-A225-CFV, TFC, TFD	020	22	2-1/4		12000	14200	16600
FGWH-A225-CFV, TFC, TFD	020	407C	2-1/4	8050	11900	14000	16200
FPWN-C225-CFV, TFC, TFD	020	404A	2-1/4	10800	14500	16500	18600
FGWH-A301-CFV, TFC, TFD	020	22	3	12220	17900	20900	24000
FGWH-A301-CFV, TFC, TFD	020	407C	3	9560	15300	18400	21600
FPWN-C300-CFV, TFC, TFD	020	404A	3	13400	18600	21400	24300
FGWH-A325-CFV, TFC, TFD	020	22	3-1/4		20200	23300	26600
FGWH-A325-CFV, TFC, TFD	020	407C	3-1/4	10600	17000	20400	24000
FPWN-C325-CFV, TFC, TFD	020	134a	3-1/4		10300	12600	15000
FPWN-C325-CFV, TFC, TFD	020	404A	3-1/4	15100	20400	23600	27200
FGWH-A401-CFV, TFC, TFD	020	22	4	18700	26300	30400	34700
FGWH-A401-CFV, TFC, TFD	020	407C	4	13900	22400	26800	31500
FJWM-C400-CFV, TFC, TFD	020	404A	4	20100	27500	31700	36400
FGWH-A501-CFV, TFC, TFD, TFE, TFM	020	22	5	21500	30100	34700	39700
FGWH-A501-CFV, TFC, TFD, TFE, TFM	020	407C	5	18100	26800	31800	37400
FJWM-C500-CFV, TFC	020	404A	5	23900	32000	36500	41300

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

SystemPro® water-cooled condensing units

Capacity Data

HIGH/MED TEMP				Capacity (BTU/Hr) at 75° - Evaporator Temp (°F)			
Model	BOM	Refrig.	H.P.	+25	+30	+40	+45
MCWH-C027-IAA	020	22	1/4	2910	3300	4200	4730
M2WH-C026-IAA	020	134a	1/4	2160	2450	3100	3470
M4WH-C025-IAA	020	404A	1/4	2790	3090	3790	4190
MCWH-C036-IAA	020	22	1/3	3330	3750	4700	5230
M2WH-C033-IAA, IAV	020	134a	1/3	3000	3420	4350	4860
M2WH-C040-IAA	020	134a	1/3	3390	3870	4920	5520
M4WH-C036-IAA, IAV	020	404A	1/3	3520	3960	5000	5630
MCWH-C049-CAA, CAV	020	22	1/2	4640	5200	6400	7060
MCWH-C056-IAA, IAV	020	22	1/2	5390	6090	7770	8790
M2WH-C049-IAA, IAV	020	134a	1/2	4050	4610	5860	6560
M2WH-C050-IAA, IAV	020	134a	1/2	4720	5390	6860	7680
M2WH-D056-IAA	020	134a	1/2	5510	6190	7730	8580
M4WH-C050-CAA, CAV	020	404A	1/2	5130	5830	7590	8680
M4WF-C056-IAA, IAV	020	404A	1/2	5890			
F3WH-C078-IAA	020	22	3/4	6980	7910	10000	11200
FTWH-C074-IAA, IAV	020	134a	3/4	6530	7490	9820	11200
FTWM-C075-IAA, IAV	020	134a	3/4	7850			
M4WF-C075-CAA, CAV	020	404A	3/4	6790	7560		
F3WH-C100-CAV	020	22	1	8750	9850	12300	13700
F3WM-C105-CFV, TFC	020	22	1	10300			
FPWN-C150-CFV, TFC, TFD	020	134a	1	8900	10500	14000	16200
FJWF-C106-CAV	020	404A	1	9470			
FPWN-C225-CFV, TFC, TFD	020	134a	1-1/4	12500	14400	18700	21000
FJWM-C125-CFV, TFC	020	404A	1-1/4	10300			
FJWM-C126-CAV, TFC	020	404A	1-1/4	11600			
FGWH-A151-CFV, TFC, TFD	020	22	1-1/2	13500	15700	20400	23000
FGWH-A151-CFV, TFC, TFD	020	407C	1-1/2	12400	14000	17700	19800
FPWN-C300-CFV, TFC,TFD	020	134a	1-1/2	15900	18400	23800	26800
FPWN-C150-CFV, TFC, TFD	020	404A	1-1/2	15500			
FGWH-A201-CFV, TFC, TFD	020	22	2	16900	19400	25100	28300
FGWH-A201-CFV, TFC, TFD	020	407C	2	15500	17600	22200	24800
FJWM-C200-CFV, TFC	020	404A	2	17900			
FGWH-A225-CFV, TFC, TFD	020	22	2-1/4	19300	22100	28600	32100
FGWH-A225-CFV, TFC, TFD	020	407C	2-1/4	18600	21100	26600	29700
FPWN-C225-CFV, TFC, TFD	020	404A	2-1/4	20900			
FGWH-A301-CFV, TFC, TFD	020	22	3	27300	30900	39100	43300
FGWH-A301-CFV, TFC, TFD	020	407C	3	25000	28700	37100	41900
FPWN-C300-CFV, TFC, TFD	020	404A	3	27200			
FGWH-A325-CFV, TFC, TFD	020	22	3-1/4	30200	34200	43400	48800
FGWH-A325-CFV, TFC, TFD	020	407C	3-1/4	27800	32000	41400	46700
FPWN-C325-CFV, TFC, TFD	020	134a	3-1/4	17800	20900	28200	32400
FPWN-C325-CFV, TFC, TFD	020	404A	3-1/4	31400			
FGWH-A401-CFV, TFC, TFD	020	22	4	39400	44600	56600	63700
FGWH-A401-CFV, TFC, TFD	020	407C	4	36500	42000	54300	61300
FJWM-C400-CFV, TFC, TFD	020	404A	4	41400			
FGWH-A501-CFV, TFC, TFD, TFE, TFM	020	22	5	45100	50900	63900	71200
FGWH-A501-CFV, TFC, TFD, TFE, TFM	020	407C	5	43400	49900	64300	72300
FJWM-C500-CFV, TFC	020	404A	5	46300			

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

SystemPro® water-cooled condensing units

Water Flow Rate Data

HIGH/MED TEMP		Capacity (BTU/Hr) at 75° - Evaporator Temp (°F)								
Model	Refrig.	0	+10	+15	+20	+25	+30	+35	+40	+45
MCWH-C027	22	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
M2WH-C026	134a	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3
M4WH-C025	404A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
MCWH-C036	22	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4
M2WH-C033	134a	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4
M2WH-C040	134a	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4
M4WH-C036	404A	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4
MCWH-C049	22	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5
MCWH-C056	22	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6
M2WH-C049	134a	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4
M2WH-C050	134a	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5
M2WH-D056	134a		0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.1
M4WH-C050	404A	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6
M4WF-C056	404A	0.5	0.3	0.7	0.7	0.8				
F3WH-C078	22	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8
FTWH-C074	134a	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8
FTWM-C075	134a	0.3	0.4	0.5	0.5	0.6				
M4WF-C075	404A	0.6	0.7	0.8	0.9	1.0				
F3WH-C100	22	0.7	0.9	1.0	1.1	1.2	1.4	1.5	1.7	1.8
F3WM-C105	22	0.4	0.5	0.6	0.7	0.7				
FPWN-C150	134a	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0
FJWF-C106	404A	0.8	1.0	1.1	1.2	1.3				
FPWN-C225	134a	0.4	0.6	0.6	0.7	0.8	1.0	1.1	1.2	1.3
FJWM-C125	404A	0.5	0.6	0.6	0.7	0.7				
FJWM-C126	404A	0.6	0.7	0.7	0.8	0.9				
FGWH-A151	22	0.8	1.1	1.3	1.5	1.7	2.0	2.2	2.5	2.8
FGWH-A151	407C	0.8	1.1	1.3	1.4	1.6	1.8	2.0	2.3	2.5
FPWN-C300	134a	0.5	0.7	0.8	0.9	1.1	1.2	1.3	1.5	1.6
FPWN-C150	404A	0.6	0.8	0.9	1.0	1.1				
FGWH-A201	22	1.0	1.4	1.7	1.9	2.2	2.4	2.7	3.1	3.4
FGWH-A201	407C	1.0	1.4	1.6	1.8	2.0	2.3	2.6	2.8	3.1
FJWM-C200	404A	0.7	0.9	1.0	1.1	1.2				
FGWH-A225	22	1.2	1.6	1.9	2.2	2.5	2.8	3.1	3.5	3.9
FGWH-A225	407C	1.1	1.6	1.9	2.2	2.4	2.7	3.1	3.4	3.8
FPWN-C225	404A	0.8	1.1	1.2	1.3	1.4				
FGWH-A301	22	1.7	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6
FGWH-A301	407C	1.4	2.1	2.5	2.9	3.3	3.7	4.2	4.7	5.3
FPWN-C300	404A	1.0	1.3	1.5	1.7	1.8				
FGWH-A325	22	1.9	2.6	3.0	3.4	3.8	4.2	4.7	5.2	5.9
FGWH-A325	407C	1.5	2.6	2.8	3.2	3.7	4.1	4.7	5.3	59
FPWN-C325	134a	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.7	1.9
FPWN-C325	404A	1.0	1.3	1.5	1.7	2.0				
FGWH-A401	22	2.5	3.4	3.9	4.4	4.9	5.5	6.1	6.9	7.6
FGWH-A401	407C	2.0	3.1	3.6	4.2	4.8	5.4	6.1	6.9	7.7
FJWM-C400	404A	1.5	2.0	2.2	2.5	2.8				
FGWH-A501	22	2.9	4.0	4.5	5.1	5.7	6.4	7.0	7.8	8.6
FGWH-A501	407C	2.6	3.7	4.3	5.0	5.7	6.5	7.4	8.2	9.2
FJWM-C500	404A	1.8	2.3	2.6	2.8	3.1				

SystemPro® water-cooled condensing units

Physical Data

HIGH/MED TEMP Model	Comp	Overall Dimensions (In)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Capacity (lbs)	Ship Weight (lbs)
		L	W	H	Suction	Liquid	115-1-60-1	230-1-60	230-3-60	460-3-60		
MCWH-C027	ARE36C3	17.9	12.7	8.7	3/8 S	1/4 S	8.3 - 15				1.8	49
M2WH-C026	ARE27C3E	17.9	12.7	8.7	3/8 S	1/4 S	6.2 - 15				1.8	44
M4WH-C025	ASE19C3E	17.9	12.8	9.0	3/8 S	1/4 S	10.0 - 15				2.4	44
MCWH-C036	ARE43C3	17.9	12.8	8.8	3/8 S	1/4 S	8.8 - 15				2.8	46
M2WH-C033	ARE37C3E	17.9	12.7	8.7	3/8 S	1/4 S	9.0 - 15	4.3 - 15			1.8	50
M2WH-C040	ARE41C3E	17.9	12.7	9.2	3/8 S	1/4 S	9.3 - 15				1.8	50
M4WH-C036	ASE24C3E	17.9	12.8	8.7	3/8 S	1/4 S	7.5 - 15	5.3 - 15			2.4	43
MCWH-C049	ARE59C3	17.9	12.8	9.2	3/8 S	1/4 S	10.0 - 15	5.0 - 15			2.8	54
MCWH-C056	ART69C1	17.9	13.3	9.8	3/8 S	1/4 S	16.3 - 25	8.6 - 15			2.8	74
M2WH-C049	ART51C1E	17.9	12.8	9.0	3/8 S	1/4 S	11.6 - 20	6.3 - 15			2.8	60
M2WH-C050	ART62C1E	17.9	12.8	9.8	3/8 S	1/4 S	12.8 - 20	6.7 - 15			2.8	57
M2WH-C056	RRT64C1E	18.5	13.8	9.8	3/8 S	1/4 S	13.8 - 20	7.5 - 15			2.6	60
M4WH-C050	ASE32C3E	17.9	12.8	9.3	3/8 S	1/4 S	11.5 - 20	6.1 - 15			2.4	52
M4WF-C056	RST45C1E	17.4	12.7	10.5	5/8 S	1/4 S	13.1 - 20				2.9	48
F3WH-C078	RS47C2	24.0	17.2	12.1	5/8 S	3/8 S	17.9 - 30	8.9 - 15			4.2	90
FTWH-C074	RR81C2E	18.0	12.7	11.6	5/8 S	1/4 S	19.0 - 30	11.3 - 20			3.5	72
FTWM-C075	RS54C2E	24.0	16.1	11.8	5/8 S	3/8 S	14.8 - 25	8.5 - 15			6.3	94
M4WF-C075	RST55C1E	24.0	16.1	10.7	5/8 S	3/8 S	18.8 - 30	8.5 - 15			6.4	139
F3WH-C100	RS64C2	24.0	17.1	11.7	5/8 S	3/8 S		9.6 - 15			6.2	100
F3WM-C105	RS70C1	24.0	17.3	12.8	7/8 S	3/8 S		8.8 - 15	5.9 - 15		11.9	99
FPWN-C150	CS10K6E	24.0	16.1	16.3	7/8 S	3/8 S		13.6 - 20	9.4 - 15	4.5 - 15	11.2	132
FJWF-C106	RST64C1E	24.2	17.2	10.7	7/8 S	3/8 S		11.3 - 20			5.4	93
FPWN-C225	CS14K6E	24.0	16.9	15.0	7/8 S	3/8 S		15.5 - 25	11.4 - 20	5.9 - 15	10.3	140
FJWM-C125	RS70C1E	24.0	18.5	12.8	7/8 S	3/8 S		8.8 - 15	5.9 - 15		10.3	125
FJWM-C126	RS80C2E	24.0	17.3	12.8	7/8 S	3/8 S		12.0 - 20	8.0 - 15		10.3	119
FGWH-A151	CR18KQE	24.0	16.7	15.0	7/8 S	3/8 S		11.3 - 20	7.5 - 15	3.8 - 15	13.0	120
FPWN-C300	CS18K6E	24.0	16.9	15.0	1-1/8 S	3/8 S		20.0 - 35	13.0 - 20	5.9 - 15	10.3	151
FPWN-C150	CS10K6E	24.0	16.1	16.3	7/8 S	3/8 S		13.6 - 20	9.4 - 15	4.5 - 15	11.2	132
FGWH-A201	CR24KQE	24.0	16.7	15.0	7/8 S	3/8 S		16.9 - 30	9.4 - 15	4.6 - 15	13.0	240
FJWM-C200	CS12K6E	24.0	16.8	15.0	7/8 S	3/8 S		13.6 - 20	9.4 - 15		10.3	130
FGWH-A225	CR28KQE	24.0	16.7	15.0	7/8 S	3/8 S		18.8 - 30	11 - 15	5.5 - 15	13.0	111
FPWN-C225	CS14K6E	24.0	16.8	15.0	7/8 S	3/8 S		15.5 - 25	11.4 - 20	5.9 - 15	10.3	140
FGWH-A301	CR37KQE	25.0	21.0	15.5	1-1/8 S	3/8 S		23.1 - 40	13.9 - 20	7.0 - 15	11.9	175
FPWN-C300	CS18K6E	24.0	16.9	15.0	1-1/8 S	3/8 S		20.0 - 35	13.0 - 20	5.9 - 15	10.3	151
FGWH-A325	CR41KQE	25.0	21.0	15.5	1-1/8 S	3/8 S		24.3 - 40	16.4 - 25	7.4 -15	11.9	
FPWN-C325	CS20K6E	26.2	21.0	15.5	1-1/8 S	3/8 S		23.3 - 40	14.3 - 25	6.4 - 15	12.0	225
FPWN-C325	CS20K6E	28.0	21.0	15.5	1-1/8 S	3/8 S		23.3 - 40	14.3 - 25	6.4 - 15	10.3	225
FGWH-A401	CR53KQE	26.8	21.0	21.1	1-1/8 S	1/2 S		36.3 - 60	22.5 - 40	11.4 - 20	21.1	325
FJWM-C400	CS27K6E	26.2	21.0	21.0	1-1/8 S	1/2 S		29.9 - 50	19.5 - 35	9.6 - 15	16.5	225
FGWH-A501	CRNQ-050E	25.8	21.8	21.1	1-1/8 S	1/2 S		42.9 - 70	26.8 - 45	12.0 - 20	18.4	342
FJWM-C500	CS33K6E	25.0	21.0	21.1	1-1/8 S	1/2 S		38.4 - 60	23.4 - 40		16.5	189

LOW TEMP Model	Comp	Overall Dimensions (In)			Connecting Lines		Minimum Circuit Ampacity - Max Fuse Size				Pump Down Capacity (lbs)	Ship Weight (lbs)
		L	W	H	Suction	Liquid	115-1-60-1	230-1-60				
M2WL-C025	AFE10C3E	24.0	16.4	9.5	3/8 S	1/4 S	6.9 - 15				1.8	44
M4WL-C025	AFB09C3E	24.0	16.4	9.5	3/8 S	1/4 S	6.7 - 15				1.6	44
M4WL-C033	AFE11C3E	24.0	16.4	9.5	3/8 S	1/4 S	7.7 - 15				1.6	46
FTWL-C050	RF18C2E	24.0	16.1	12.1	1/2 S	1/4 S	16.9 - 25	9.4 - 15			2.6	90
M4WL-C040	AFE13C3E	24.0	16.4	9.5	3/8 S	1/4 S	8.7 - 15				2.2	50
M4WL-H051	AFE17C4E	24.0	16.4	9.5	3/8 S	1/4 S	10.4 - 15				2.4	69
M4WL-C067	AFT26C1E	24.0	16.4	9.9	1/4 S	1/4 S	11.7 - 15				2.4	97
M4WL-C075	RST64C1E	24.0	16.4	10.7	5/8 S	3/8 S	19 - 30	11.8 - 20			6.4	40
FJWL-C103	CF04K6E	24.0	16.4	15.0	7/8 S	3/8 S		12.6 - 20	8.6 - 15		5.4	138
FJWL-C200	CF06K6E	24.0	16.4	15.0	7/8 S	3/8 S		14.8 - 25	9.3 - 15	5.4 - 15	5.4	130
FJWL-C301	CF09K6E	25.0	21.0	21.1	7/8 S	1/2 S		21.4 - 35	13.3 - 20	7.6 - 15	16.3	157
FJWL-C390	CF12K6E	25.0	21.0	21.1	7/8 S	1/2 S		26.2 - 45	15.9 - 25		16.3	150

S = Sweat Note: Water connections (inlet/outlet) 1/2 in.

SystemPro® water-cooled condensing units

Capacity Data

LOW TEMP Model				Capacity (BTU/Hr) at 75° - Evaporator Temp (°F)					
Model	BOM	Refrig.	H.P.	-30	-25	-20	-15	-10	0
M2WL-C025-IAA	020	134a	1/4		700	800	930	1080	1430
M4WL-C025-IAA	020	404A	1/4		580	680	780	900	1180
M4WL-C033-IAA	020	404A	1/3		770	960	1160	1370	1830
FTWL-C050-IAA, IAV	020	134a	1/2		1120	1490	1890	2320	3290
M4WL-C040-IAA	020	404A	1/2		1180	1430	1690	1970	2590
M4WL-H051-IAA	020	404A	1/2		1430	1640	1880	2140	2740
M4WL-C067-CFA	020	404A	1/2		2160	2520	2940	3420	4590
M4WL-C075-CFA, IAV	020	404A	3/4		2600	3050	3550	4100	
FJWL-C103-CFV, TFC	020	404A	1	2170	2940	3730	4590	5550	7930
FJWL-C200-CFV, TFC, TFD	020	404A	2	3940	5020	6250	7620	9090	12300
FJWL-C301-CFV, TFC, TFD	020	404A	3	5810	7360	9110	11000	13200	17800
FJWL-C390-CFV, TFC	020	404A	4	8200	10100	12200	14300	16700	22100

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

Water Flow Rate Data

LOW TEMP Model		Water Flow Rate (Gal/Min) at 75° Inlet Water - Evaporator Temp (°F)					
Model	Refrig.	-30	-25	-20	-15	-10	0
M2WL-C025	134a		0.1	0.1	0.1	0.1	0.2
M4WL-C025	404A		0.1	0.1	0.1	0.1	0.1
M4WL-C033	404A		0.1	0.1	0.1	0.2	0.2
FTWL-C050	134a		0.2	0.2	0.2	0.2	0.3
M4WL-C040	404A		0.1	0.2	0.2	0.2	0.2
M4WL-H051	404A		0.2	0.3	0.3	0.3	0.4
M4WL-C067	404A		0.2	0.3	0.3	0.3	0.6
M4WL-C075	404A		0.4	0.5	0.6	0.6	0.7
FJWL-C103	404A	0.3	0.4	0.5	0.6	0.6	0.7
FJWL-C200	404A	0.4	0.5	0.6	0.7	0.8	1.0
FJWL-C301	404A	0.6	0.7	0.8	0.9	1.1	1.4
FJWL-C390	404A	1.2	1.4	1.7	2.0	2.3	3.0

Unit Feature -020 Bill of Material

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

Control Data -020 Bill of Material

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

* This data applies to units listed in this brochure only.
[1] Except units using R compressor
[2] Except units using CS or CF compressor

Notes

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