



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	54.10	68.70	86.20	107.00	132.00				
15.0	51.20	65.10	81.90	102.00	125.50				
20.0	48.20	61.60	77.50	96.50	119.00	145.00			
25.0	45.30	58.10	73.20	91.10	112.00	137.00	165.50	178.00	
30.0		54.60	68.90	85.80	105.50	129.00	155.50	167.50	186.50
35.0		51.20	64.60	80.50	99.10	121.00	146.00	157.00	175.00
40.0			60.40	75.20	92.50	113.00	136.50	147.00	163.50
45.0			56.40	70.00	86.10	105.00	126.50	136.50	152.00
50.0				65.00	79.70	96.90	117.00	126.00	140.50
55.0					73.40	89.10	107.50	116.00	129.00
60.0					67.30	81.50	98.20	105.50	

50 Hz

6MJ-45X

R407F Dew Point

Cond °C	Power, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	15.45	16.40	16.95	16.90	16.10				
15.0	16.35	17.60	18.55	19.05	18.90				
20.0	17.15	18.65	20.00	21.00	21.40	21.10			
25.0	17.95	19.65	21.30	22.70	23.60	24.00	23.60	23.10	
30.0		20.70	22.60	24.30	25.70	26.70	26.90	26.80	26.40
35.0		21.70	23.80	25.90	27.70	29.20	30.10	30.30	30.30
40.0			25.10	27.40	29.60	31.60	33.10	33.50	34.00
45.0			26.50	29.00	31.50	33.90	35.90	36.60	37.50
50.0				30.70	33.50	36.30	38.80	39.70	40.90
55.0					35.60	38.70	41.60	42.70	44.30
60.0					37.90	41.20	44.50	45.80	

Cond °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	33.80	34.93	35.59	35.54	34.52				
15.0	34.80	36.29	37.46	38.06	37.84				
20.0	35.75	37.54	39.17	40.38	40.92	40.54			
25.0	36.71	38.76	40.79	42.56	43.81	44.28	43.73	43.16	
30.0		39.99	42.39	44.66	46.57	47.85	48.26	48.12	47.53
35.0		41.32	44.02	46.75	49.27	51.31	52.62	52.89	52.96
40.0			45.75	48.89	51.97	54.72	56.90	57.55	58.25
45.0			47.64	51.14	54.73	58.14	61.13	62.15	63.45
50.0				53.58	57.62	61.65	65.40	66.77	68.63
55.0					60.71	65.30	69.76	71.46	73.85
60.0					64.05	69.15	74.28	76.28	

50 Hz

6MJ-45X

R407F Dew Point

Cond °C	Suction Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	231.00	294.00	371.00	463.00	574.00				
15.0	225.00	288.00	364.00	455.00	564.00				
20.0	219.00	282.00	357.00	447.00	554.00	682.00			
25.0	214.00	275.00	349.00	437.00	543.00	669.00	817.00	884.00	
30.0		269.00	341.00	428.00	532.00	655.00	801.00	867.00	974.00
35.0		262.00	333.00	418.00	520.00	640.00	784.00	849.00	954.00
40.0			326.00	408.00	507.00	625.00	766.00	829.00	934.00
45.0			318.00	399.00	495.00	610.00	747.00	810.00	912.00
50.0				389.00	483.00	594.00	729.00	790.00	890.00
55.0					471.00	579.00	710.00	770.00	868.00
60.0					460.00	565.00	692.00	751.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	135
Bore/Stroke, mm	75.7/57.5
Length/Width, mm	725/547
Height, mm	450
Net Weight, kg	223
Suction, inch	2 1/8
Discharge, inch	1 5/8
Oil Quantity, l	3.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18)
Sound Pressure @ 1m (MT), dBA	74
Sound Power (MT), dBA	85
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	74
Sound Power (HT), dBA	85
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 55 / 20 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1825
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	81.5
Locked Rotor Current, A	321
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch (-P)	OPS2 Sensor
Mounting Parts	Spring
CoreSense Protection (-P)	Motor protection
Copeland Compressor Electronic (-N)	Oil pressure, motor and discharge line temperature protection; advanced diagnostics features and power measurement

ACCESSORIES OPTIONAL

Check Valve	For unloaded start operation
Mounting Parts	Rubber
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Sound Attenuation	Sound Shell
Digital Modulation	33-100 %
Capacity Control	Capacity Steps 67/33 %
Oil Pressure Switch	OPS2 Electronic Switch
Copeland Compressor Electronic module	Modbus extension module

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YYY	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00