



Minimum Evaporating Temp. With:

- 20 °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	12.5
10.0	51.00	64.20	80.30	99.60	122.50					
15.0	48.50	61.30	76.80	95.30	117.00	142.50				
20.0	46.00	58.30	73.10	90.80	111.50	136.00	164.00			
25.0	43.30	55.20	69.30	86.10	106.00	129.00	155.50	167.00	186.00	203.00
30.0	40.70	52.00	65.40	81.30	100.00	122.00	147.00	158.00	176.00	192.00
35.0	38.00	48.70	61.40	76.40	94.00	114.50	138.50	149.00	165.50	181.00
40.0	35.30	45.40	57.30	71.40	87.90	107.00	129.50	139.50	155.00	169.50
45.0	32.60	42.10	53.20	66.30	81.60	99.50	120.50	129.50	144.50	158.00
50.0		38.70	49.00	61.10	75.20	91.80	111.00	119.50	133.50	146.00
55.0		35.40	44.80	55.80	68.70	83.90	101.50	109.50	122.50	134.00
60.0			40.50	50.50	62.20	76.00	92.10			
62.0			38.90	48.40	59.60	72.70				

50 Hz

6MJ-45X

R407A Dew Point

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	13.70	14.40	14.85	14.90	14.50					
15.0	14.80	15.85	16.60	17.00	17.00	16.55				
20.0	15.85	17.15	18.25	19.00	19.40	19.40	18.85			
25.0	16.75	18.40	19.80	20.90	21.70	22.10	22.00	21.90	21.50	21.00
30.0	17.60	19.50	21.20	22.70	23.90	24.70	25.10	25.10	25.00	24.80
35.0	18.30	20.50	22.60	24.50	26.00	27.30	28.10	28.30	28.50	28.50
40.0	18.95	21.50	23.90	26.10	28.00	29.70	31.00	31.40	31.90	32.10
45.0	19.50	22.30	25.10	27.60	30.00	32.10	33.80	34.40	35.20	35.70
50.0		23.10	26.20	29.10	31.90	34.40	36.60	37.30	38.40	39.20
55.0		23.80	27.20	30.50	33.70	36.60	39.20	40.20	41.60	42.60
60.0			28.20	31.90	35.40	38.70	41.80			
62.0			28.60	32.40	36.10	39.60				

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	12.5
10.0	31.85	32.65	33.13	33.21	32.78					
15.0	33.05	34.18	35.04	35.54	35.56	35.02				
20.0	34.19	35.67	36.93	37.87	38.38	38.36	37.71			
25.0	35.24	37.11	38.79	40.19	41.21	41.74	41.69	41.48	40.94	40.27
30.0	36.22	38.48	40.61	42.50	44.04	45.15	45.71	45.76	45.62	45.30
35.0	37.08	39.77	42.37	44.77	46.87	48.57	49.77	50.09	50.36	50.40
40.0	37.83	40.97	44.06	46.99	49.67	51.99	53.85	54.44	55.15	55.56
45.0	38.45	42.06	45.66	49.16	52.43	55.40	57.94	58.82	59.97	60.76
50.0		43.04	47.17	51.25	55.15	58.78	62.03	63.21	64.81	65.99
55.0		43.87	48.57	53.25	57.80	62.11	66.10	67.58	69.65	71.23
60.0			49.85	55.15	60.37	65.40	70.14			
62.0			50.32	55.88	61.37	66.69				

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	12.5
10.0	239.00	303.00	380.00	474.00	585.00					
15.0	236.00	299.00	376.00	469.00	580.00	712.00				
20.0	232.00	295.00	372.00	464.00	574.00	704.00	858.00			
25.0	227.00	290.00	367.00	458.00	567.00	696.00	848.00	916.00	1027.00	1128.00
30.0	222.00	285.00	361.00	451.00	559.00	686.00	837.00	905.00	1015.00	1115.00
35.0	217.00	279.00	354.00	443.00	549.00	676.00	825.00	892.00	1001.00	1101.00
40.0	211.00	273.00	347.00	434.00	539.00	663.00	811.00	877.00	986.00	1085.00
45.0	205.00	266.00	339.00	425.00	527.00	650.00	795.00	861.00	968.00	1067.00
50.0		259.00	330.00	414.00	515.00	635.00	778.00	843.00	950.00	1047.00
55.0		252.00	321.00	403.00	501.00	619.00	760.00	824.00	929.00	1027.00
60.0			311.00	391.00	487.00	602.00	740.00			
62.0			308.00	386.00	481.00	595.00				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/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	75
Sound Power (MT), dBA	86
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	75
Sound Power (HT), dBA	86
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	2107
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