



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- 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								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	23.80	31.70	41.80	54.40	69.70	88.00	109.50	134.00	
15.0	22.80	30.40	40.10	52.10	66.70	84.10	104.50	128.50	
20.0	21.80	29.00	38.20	49.70	63.60	80.20	99.70	122.50	
25.0		27.70	36.40	47.20	60.40	76.10	94.70	116.50	141.00
30.0		26.30	34.50	44.70	57.10	71.90	89.50	110.00	133.50
35.0			32.70	42.20	53.70	67.60	84.10	103.50	125.50
40.0			30.80	39.60	50.30	63.30	78.70	96.70	117.50
45.0				37.10	46.90	58.90	73.10	89.90	109.50
50.0					43.50	54.40	67.50	83.00	101.50
55.0					40.00	49.90	61.80	76.00	92.80
60.0						45.30	56.00	68.90	
62.0						43.50	53.70	66.10	

50 Hz

6MU-40X

R407A Dew Point

Cond °C	Power, kW								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	10.80	12.15	13.50	14.70	15.70	16.35	16.65	16.45	
15.0	11.35	12.95	14.55	16.05	17.40	18.50	19.30	19.70	
20.0	11.95	13.70	15.50	17.30	19.00	20.50	21.80	22.70	
25.0		14.40	16.40	18.45	20.50	22.40	24.10	25.50	26.50
30.0		15.15	17.30	19.55	21.90	24.10	26.20	28.10	29.70
35.0			18.15	20.60	23.20	25.70	28.20	30.60	32.60
40.0			19.00	21.60	24.40	27.30	30.10	32.80	35.40
45.0				22.60	25.60	28.70	31.80	34.90	37.90
50.0					26.60	30.00	33.40	36.90	40.30
55.0					27.70	31.20	34.90	38.70	42.50
60.0						32.40	36.30	40.40	
62.0						32.80	36.80	41.00	

Cond °C	Current at 400 V, A								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	26.42	27.92	29.42	30.80	31.94	32.71	32.99	32.65	
15.0	26.97	28.70	30.53	32.34	34.00	35.38	36.37	36.84	
20.0	27.59	29.51	31.64	33.83	35.98	37.94	39.61	40.85	
25.0		30.35	32.73	35.28	37.88	40.40	42.71	44.69	46.22
30.0		31.21	33.82	36.69	39.71	42.74	45.67	48.36	50.69
35.0			34.90	38.07	41.47	44.98	48.48	51.85	54.95
40.0			35.97	39.40	43.15	47.11	51.16	55.17	59.00
45.0				40.69	44.76	49.14	53.70	58.31	62.85
50.0					46.30	51.06	56.10	61.28	66.50
55.0					47.76	52.87	58.35	64.08	69.93
60.0						54.58	60.47	66.71	
62.0						55.23	61.28	67.71	

Cond °C	Suction Mass Flow, g/s								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	111.00	148.00	196.00	255.00	328.00	416.00	520.00	642.00	
15.0	110.00	146.50	194.00	253.00	325.00	412.00	516.00	637.00	
20.0	109.00	145.50	192.00	250.00	322.00	408.00	510.00	630.00	
25.0		144.00	190.00	247.00	318.00	402.00	503.00	623.00	762.00
30.0		143.00	188.00	244.00	313.00	396.00	496.00	614.00	753.00
35.0			186.00	241.00	308.00	390.00	488.00	604.00	741.00
40.0			184.00	237.00	303.00	382.00	479.00	593.00	729.00
45.0				233.00	297.00	375.00	469.00	581.00	715.00
50.0					291.00	366.00	458.00	568.00	701.00
55.0					285.00	357.00	446.00	554.00	684.00
60.0						348.00	434.00	540.00	
62.0						345.00	429.00	533.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	153
Bore/Stroke, mm	80.6/57.5
Length/Width, mm	757/547
Height, mm	450
Net Weight, kg	225
Suction, inch	2 5/8
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 (LT), dBA	80
Sound Power (LT), dBA	91
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
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
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	75.8
Locked Rotor Current, A	306
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

CoreSense Protection (-P)	Motor protection
Mounting Parts	Spring
Oil Pressure Switch (-P)	OPS2 Sensor
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
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
Adapter Kit	For Parallel Operation
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