



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		22.70	29.80	38.60	49.10	61.70	76.40	93.40	
15.0			28.40	36.80	46.80	58.80	72.80	89.10	108.00
20.0			27.00	34.90	44.50	55.90	69.20	84.70	102.50
25.0				33.10	42.20	52.90	65.60	80.30	97.20
30.0				31.20	39.80	50.00	61.90	75.90	91.90
35.0					37.40	47.00	58.30	71.40	86.60
40.0						44.00	54.60	66.90	81.20
45.0						41.00	50.90	62.40	75.90
50.0							47.10	57.90	70.40
55.0							43.30	53.30	
60.0									

50 Hz

4MU-25X

R407F 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		8.76	9.83	10.75	11.55	12.15	12.55	12.70	
15.0			10.45	11.55	12.50	13.30	13.95	14.35	14.50
20.0			11.10	12.35	13.50	14.50	15.35	16.00	16.45
25.0				13.10	14.45	15.70	16.80	17.70	18.45
30.0				13.85	15.40	16.85	18.20	19.40	20.50
35.0					16.30	18.00	19.60	21.10	22.50
40.0						19.10	21.00	22.80	24.40
45.0						20.10	22.30	24.40	26.40
50.0							23.60	26.00	28.30
55.0							24.70	27.40	
60.0									

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		20.82	21.95	23.00	23.91	24.60	25.04	25.15	
15.0			22.61	23.86	25.00	25.99	26.75	27.23	27.38
20.0			23.30	24.77	26.17	27.46	28.56	29.44	30.02
25.0				25.70	27.38	28.99	30.46	31.74	32.78
30.0				26.62	28.60	30.55	32.41	34.12	35.62
35.0					29.80	32.11	34.37	36.53	38.52
40.0						33.65	36.33	38.95	41.45
45.0						35.12	38.25	41.36	44.39
50.0							40.10	43.71	47.29
55.0							41.86	45.99	
60.0									

50 Hz

4MU-25X

R407F Dew Point

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		96.20	126.50	164.50	210.00	265.00	331.00	407.00	
15.0			124.50	162.00	207.00	261.00	326.00	401.00	490.00
20.0			122.50	159.00	204.00	257.00	320.00	395.00	483.00
25.0				156.00	200.00	252.00	315.00	389.00	475.00
30.0				153.00	196.00	248.00	309.00	382.00	467.00
35.0					192.00	243.00	303.00	375.00	459.00
40.0						237.00	296.00	367.00	450.00
45.0						231.00	290.00	359.00	441.00
50.0							282.00	351.00	432.00
55.0							275.00	342.00	
60.0									

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	99.4
Bore/Stroke, mm	80.6/56.0
Length/Width, mm	657/501
Height, mm	452
Net Weight, kg	186
Suction, inch	2 1/8
Discharge, inch	1 3/8
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	76
Sound Power (LT), dBA	87
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	73
Sound Power (MT), dBA	84
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	1825
Refrigerant's classification	A1

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

Maximum Operating Current, A	51.9
Locked Rotor Current, A	199
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

CoreSense Protection (-P)	Motor protection
Oil Pressure Switch (-P)	OPS2 Sensor
Mounting Parts	Spring
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
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Capacity Control	Capacity Steps 50%
Sound Attenuation	Sound Shell
Mounting Parts	Rubber
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	YY/Y	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	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00