



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return + fan
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.38	0.57	0.80	1.08	1.42	1.82	2.28
25.0	0.31	0.49	0.71	0.98	1.30	1.66	2.10
30.0	0.24	0.41	0.62	0.87	1.16	1.51	1.92
35.0		0.34	0.53	0.76	1.03	1.36	1.74
40.0		0.26	0.44	0.65	0.90	1.20	1.55
45.0			0.35	0.54	0.77	1.04	1.36
50.0			0.27	0.44	0.65	0.89	1.18
55.0				0.34	0.53	0.75	1.01

60Hz

KM-5X

R404A Dew Point

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.42	0.48	0.53	0.58	0.63	0.68	0.71
25.0	0.40	0.47	0.53	0.59	0.65	0.70	0.75
30.0	0.38	0.45	0.52	0.60	0.66	0.73	0.79
35.0		0.44	0.51	0.59	0.67	0.75	0.82
40.0		0.41	0.50	0.59	0.68	0.76	0.85
45.0			0.48	0.57	0.67	0.77	0.87
50.0			0.45	0.56	0.67	0.78	0.89
55.0				0.53	0.65	0.78	0.90

Cond °C	Current at 380 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	1.53	1.55	1.60	1.66	1.72	1.78	1.84
25.0	1.56	1.58	1.63	1.69	1.75	1.82	1.89
30.0	1.56	1.59	1.64	1.70	1.77	1.85	1.93
35.0		1.58	1.63	1.70	1.78	1.87	1.96
40.0		1.55	1.60	1.68	1.77	1.88	1.98
45.0			1.57	1.66	1.76	1.88	2.00
50.0			1.52	1.62	1.74	1.87	2.01
55.0				1.58	1.71	1.87	2.03

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	2.26	3.42	4.85	6.59	8.68	11.15	14.05
25.0	1.95	3.10	4.51	6.23	8.28	10.70	13.60
30.0	1.60	2.74	4.13	5.82	7.83	10.25	13.05
35.0		2.35	3.72	5.37	7.35	9.69	12.45
40.0		1.94	3.27	4.89	6.82	9.11	11.85
45.0			2.80	4.37	6.25	8.49	11.15
50.0			2.29	3.82	5.64	7.82	10.40
55.0				3.24	5.00	7.12	9.66

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 60 Hz, m ³ /h	4.79
Bore/Stroke, mm	34.9/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	1/2
Discharge, inch	1/2
Oil Quantity, l	0.65
Frequency Range, Hz	25 - 60
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	208 x 162 (11.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 60 Hz)

Maximum Operating Current, A	2.2
Locked Rotor Current, A	16.7
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
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ACCESSORIES OPTIONAL

Additional Cooling	1 or 2 ways water Coil
Additional Cooling	25 W Horizontal Air Flow Fan
Additional Cooling	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Emerson Industrial Automation, Unidrive M200 02 400 032

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.44
EWL	380-420 V / 3~ / 50 Hz	400		Y	0.83
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	1.75