



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.32	0.48	0.68	0.92	1.20	1.54	1.93
25.0	0.26	0.41	0.60	0.82	1.10	1.41	1.78
30.0	0.20	0.35	0.52	0.73	0.98	1.28	1.62
35.0		0.28	0.44	0.64	0.87	1.14	1.46
40.0		0.22	0.37	0.55	0.76	1.01	1.30
45.0			0.29	0.46	0.65	0.88	1.15
50.0			0.22	0.37	0.54	0.75	0.99
55.0				0.29	0.44	0.63	0.84

50 Hz

KM-5

R404A Dew Point

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.35	0.40	0.44	0.49	0.53	0.56	0.59
25.0	0.34	0.39	0.44	0.49	0.54	0.59	0.63
30.0	0.32	0.38	0.44	0.50	0.55	0.61	0.66
35.0		0.36	0.43	0.49	0.56	0.62	0.68
40.0		0.34	0.41	0.49	0.56	0.64	0.71
45.0			0.40	0.48	0.56	0.64	0.73
50.0			0.38	0.46	0.56	0.65	0.74
55.0				0.44	0.55	0.65	0.75

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	1.27	1.30	1.33	1.38	1.43	1.49	1.53
25.0	1.30	1.32	1.36	1.41	1.46	1.52	1.57
30.0	1.30	1.32	1.36	1.42	1.48	1.54	1.60
35.0		1.31	1.36	1.41	1.48	1.56	1.63
40.0		1.29	1.34	1.40	1.48	1.56	1.65
45.0			1.31	1.38	1.47	1.56	1.66
50.0			1.27	1.35	1.45	1.56	1.68
55.0				1.31	1.43	1.55	1.69

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	1.92	2.91	4.13	5.62	7.40	9.51	12.00
25.0	1.65	2.63	3.84	5.30	7.06	9.14	11.60
30.0	1.36	2.33	3.51	4.95	6.68	8.72	11.15
35.0		1.99	3.16	4.57	6.26	8.26	10.65
40.0		1.63	2.77	4.15	5.80	7.76	10.10
45.0			2.36	3.70	5.31	7.23	9.50
50.0			1.94	3.23	4.79	6.65	8.88
55.0				2.73	4.24	6.05	8.22

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	3.97
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
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	0.65
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)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	1.8
Locked Rotor Current, A	12.2
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

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20