



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	0.44	0.65	0.90	1.21	1.58	2.01	2.50
25.0	0.38	0.57	0.81	1.10	1.44	1.85	2.32
30.0	0.31	0.50	0.72	0.99	1.32	1.70	2.13
35.0		0.42	0.63	0.88	1.18	1.54	1.94
40.0		0.35	0.54	0.78	1.05	1.38	1.76
45.0		0.28	0.46	0.67	0.92	1.22	1.57
50.0			0.38	0.57	0.79	1.06	1.38
55.0			0.30	0.47	0.67	0.91	1.20

50 Hz

KJ-7

R404A Dew Point

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.62	0.65	0.69	0.72	0.75	0.78	0.79
25.0	0.57	0.62	0.67	0.72	0.77	0.81	0.85
30.0	0.51	0.58	0.65	0.72	0.78	0.84	0.90
35.0		0.54	0.62	0.71	0.79	0.87	0.95
40.0		0.49	0.59	0.69	0.80	0.89	0.99
45.0		0.44	0.56	0.67	0.79	0.91	1.02
50.0			0.52	0.65	0.79	0.92	1.05
55.0			0.47	0.62	0.77	0.92	1.08

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	1.36	1.37	1.39	1.43	1.47	1.51	1.56
25.0	1.29	1.33	1.38	1.44	1.50	1.57	1.63
30.0	1.20	1.28	1.36	1.45	1.53	1.61	1.69
35.0		1.21	1.32	1.44	1.55	1.65	1.75
40.0		1.12	1.28	1.42	1.56	1.69	1.81
45.0		1.02	1.21	1.39	1.56	1.72	1.86
50.0			1.13	1.34	1.55	1.74	1.90
55.0			1.02	1.28	1.52	1.74	1.94

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	2.69	3.97	5.53	7.43	9.71	12.40	15.60
25.0	2.40	3.66	5.21	7.09	9.34	12.00	15.15
30.0	2.09	3.34	4.87	6.72	8.93	11.55	14.65
35.0		3.00	4.50	6.32	8.49	11.10	14.15
40.0		2.64	4.11	5.89	8.02	10.55	13.60
45.0		2.27	3.70	5.43	7.52	10.00	13.00
50.0			3.27	4.95	6.98	9.42	12.35
55.0			2.83	4.45	6.42	8.81	11.70

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	5.13
Bore/Stroke, mm	39.7/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	5/8
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	2.4
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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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