



Minimum Evaporating Temp. With:

- █ 20 °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					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	0.77	1.07	1.44	1.89	2.44	3.09
15.0	0.70	0.98	1.33	1.76	2.28	2.89
20.0	0.63	0.90	1.23	1.63	2.12	2.70
25.0	0.56	0.81	1.12	1.50	1.96	2.51
30.0	0.49	0.72	1.02	1.37	1.80	2.32
35.0	0.42	0.64	0.91	1.25	1.64	2.12
40.0	0.35	0.55	0.81	1.12	1.48	1.94
45.0	0.27	0.47	0.70	0.99	1.33	
50.0	0.20	0.38	0.60	0.86	1.18	
55.0	0.13	0.30	0.50	0.74	1.02	

50 Hz

KJ-7

R449A Dew Point

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	0.48	0.54	0.58	0.63	0.66	0.69
15.0	0.49	0.55	0.61	0.66	0.71	0.75
20.0	0.50	0.57	0.63	0.70	0.76	0.82
25.0	0.50	0.57	0.65	0.73	0.80	0.87
30.0	0.50	0.58	0.66	0.75	0.84	0.92
35.0	0.49	0.58	0.67	0.77	0.87	0.96
40.0	0.48	0.57	0.68	0.78	0.89	1.00
45.0	0.46	0.56	0.67	0.79	0.91	
50.0	0.44	0.54	0.66	0.79	0.92	
55.0	0.40	0.52	0.65	0.78	0.92	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.41	1.45	1.50	1.54	1.57	1.59
15.0	1.42	1.47	1.52	1.57	1.62	1.66
20.0	1.42	1.48	1.54	1.60	1.66	1.72
25.0	1.42	1.48	1.55	1.63	1.71	1.79
30.0	1.42	1.49	1.57	1.65	1.75	1.84
35.0	1.42	1.49	1.58	1.67	1.78	1.89
40.0	1.41	1.49	1.58	1.69	1.81	1.94
45.0	1.40	1.48	1.58	1.70	1.83	
50.0	1.38	1.46	1.57	1.70	1.84	
55.0	1.35	1.44	1.55	1.69	1.85	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	3.56	4.93	6.65	8.78	11.35	14.45
15.0	3.36	4.70	6.38	8.47	11.00	14.05
20.0	3.13	4.45	6.10	8.14	10.60	13.60
25.0	2.89	4.18	5.80	7.79	10.20	13.15
30.0	2.63	3.89	5.47	7.42	9.79	12.65
35.0	2.34	3.59	5.13	7.02	9.34	12.15
40.0	2.03	3.25	4.76	6.60	8.86	11.60
45.0	1.69	2.89	4.36	6.16	8.36	
50.0	1.32	2.50	3.93	5.68	7.82	
55.0	0.91	2.07	3.47	5.17	7.25	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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	1397
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

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