



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	0.58	0.80	1.06	1.40	1.80	2.27
15.0	0.51	0.71	0.96	1.28	1.66	2.11
20.0	0.43	0.62	0.86	1.16	1.52	1.96
25.0	0.36	0.54	0.77	1.05	1.39	1.80
30.0	0.30	0.46	0.68	0.94	1.27	1.66
35.0	0.24	0.39	0.59	0.84	1.14	1.50
40.0	0.18	0.33	0.51	0.74	1.02	1.36
45.0	0.13	0.26	0.43	0.64	0.90	
50.0	0.09	0.20	0.36	0.55	0.79	
55.0	0.05	0.15	0.29	0.46	0.68	

50 Hz

KM-5

R449A Dew Point

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	0.42	0.45	0.48	0.51	0.52	0.53
15.0	0.42	0.46	0.49	0.53	0.56	0.58
20.0	0.41	0.46	0.50	0.55	0.59	0.62
25.0	0.40	0.46	0.51	0.56	0.61	0.66
30.0	0.39	0.45	0.51	0.57	0.63	0.69
35.0	0.38	0.44	0.51	0.58	0.65	0.72
40.0	0.36	0.43	0.50	0.58	0.66	0.74
45.0	0.34	0.42	0.50	0.58	0.67	
50.0	0.32	0.40	0.49	0.58	0.68	
55.0	0.30	0.38	0.47	0.57	0.68	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.38	1.41	1.43	1.45	1.47	1.47
15.0	1.38	1.41	1.44	1.47	1.50	1.51
20.0	1.38	1.41	1.45	1.48	1.52	1.55
25.0	1.38	1.41	1.45	1.50	1.54	1.58
30.0	1.37	1.41	1.45	1.50	1.56	1.62
35.0	1.36	1.40	1.45	1.51	1.58	1.64
40.0	1.35	1.39	1.45	1.51	1.59	1.67
45.0	1.34	1.38	1.44	1.51	1.60	
50.0	1.33	1.37	1.43	1.51	1.61	
55.0	1.31	1.36	1.42	1.51	1.61	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	2.69	3.68	4.93	6.48	8.37	10.65
15.0	2.42	3.38	4.61	6.14	8.01	10.25
20.0	2.14	3.09	4.29	5.79	7.63	9.86
25.0	1.87	2.79	3.97	5.44	7.25	9.45
30.0	1.60	2.50	3.65	5.09	6.86	9.03
35.0	1.34	2.21	3.32	4.72	6.47	8.60
40.0	1.08	1.92	2.99	4.36	6.06	8.16
45.0	0.83	1.63	2.66	3.99	5.65	
50.0	0.59	1.34	2.33	3.61	5.23	
55.0	0.36	1.06	2.00	3.23	4.80	

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	1397
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