



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	1.12	1.48	1.91	2.43	3.03	3.74
15.0	1.05	1.40	1.81	2.30	2.89	3.57
20.0	0.98	1.30	1.70	2.18	2.74	3.39
25.0	0.90	1.21	1.59	2.05	2.58	3.21
30.0	0.82	1.12	1.48	1.91	2.42	3.02
35.0	0.73	1.02	1.36	1.76	2.25	2.82
40.0	0.64	0.91	1.23	1.62	2.08	2.62
45.0	0.55	0.80	1.10	1.47	1.90	
50.0	0.45	0.69	0.97	1.31	1.72	
55.0	0.36	0.57	0.83	1.15	1.54	

50 Hz

KSJ-10

R449A Dew Point

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	0.66	0.70	0.73	0.75	0.76	0.76
15.0	0.68	0.73	0.77	0.81	0.84	0.86
20.0	0.69	0.75	0.81	0.86	0.91	0.95
25.0	0.70	0.77	0.85	0.92	0.98	1.04
30.0	0.70	0.79	0.88	0.96	1.05	1.14
35.0	0.70	0.80	0.90	1.01	1.12	1.22
40.0	0.69	0.80	0.92	1.05	1.18	1.30
45.0	0.67	0.80	0.94	1.08	1.24	
50.0	0.65	0.79	0.95	1.12	1.28	
55.0	0.61	0.78	0.95	1.14	1.34	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.69	1.76	1.81	1.85	1.87	1.89
15.0	1.72	1.81	1.87	1.92	1.96	2.00
20.0	1.75	1.84	1.92	1.98	2.05	2.11
25.0	1.76	1.87	1.96	2.05	2.13	2.22
30.0	1.77	1.89	2.00	2.11	2.21	2.33
35.0	1.76	1.90	2.03	2.16	2.30	2.44
40.0	1.75	1.91	2.06	2.21	2.37	2.55
45.0	1.72	1.90	2.08	2.26	2.45	
50.0	1.69	1.89	2.09	2.29	2.51	
55.0	1.64	1.86	2.09	2.33	2.57	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	5.17	6.82	8.84	11.25	14.15	17.50
15.0	5.02	6.66	8.67	11.10	13.95	17.30
20.0	4.84	6.47	8.46	10.85	13.70	17.05
25.0	4.62	6.24	8.23	10.60	13.45	16.80
30.0	4.38	5.98	7.95	10.30	13.15	16.50
35.0	4.09	5.68	7.63	9.98	12.80	16.15
40.0	3.77	5.34	7.26	9.60	12.40	15.70
45.0	3.39	4.94	6.85	9.16	11.95	
50.0	2.96	4.49	6.37	8.66	11.45	
55.0	2.47	3.97	5.82	8.10	10.85	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	6.33
Bore/Stroke, mm	39.7/29.4
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	40
Gross Weight, kg	42
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	50
Sound Power, dBA	61
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	3
Locked Rotor Current, A	15.5
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
------------------	---

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