



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	0.63	0.88	1.18	1.55	1.98	2.50	3.10
25.0	0.55	0.79	1.08	1.42	1.84	2.33	2.90
30.0	0.47	0.70	0.97	1.30	1.69	2.15	2.69
35.0	0.38	0.60	0.86	1.17	1.54	1.97	2.48
40.0	0.30	0.50	0.74	1.03	1.38	1.78	2.26
45.0	0.21	0.40	0.63	0.90	1.22	1.59	2.03
50.0		0.30	0.51	0.75	1.04	1.40	
55.0			0.39	0.61	0.88	1.20	

50 Hz

KSJ-10

R404A Dew Point

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.69	0.76	0.82	0.88	0.94	0.99	1.03
25.0	0.67	0.75	0.83	0.91	0.98	1.05	1.11
30.0	0.65	0.74	0.83	0.92	1.02	1.10	1.18
35.0	0.62	0.72	0.83	0.93	1.04	1.15	1.26
40.0	0.58	0.70	0.81	0.94	1.06	1.19	1.32
45.0	0.53	0.66	0.79	0.93	1.08	1.23	1.38
50.0		0.61	0.76	0.92	1.08	1.26	
55.0			0.72	0.90	1.08	1.28	

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	1.77	1.84	1.91	1.99	2.06	2.12	2.17
25.0	1.79	1.86	1.95	2.03	2.12	2.20	2.28
30.0	1.78	1.86	1.96	2.06	2.17	2.28	2.38
35.0	1.75	1.85	1.96	2.08	2.21	2.34	2.48
40.0	1.70	1.81	1.94	2.08	2.24	2.40	2.56
45.0	1.62	1.75	1.90	2.07	2.25	2.45	2.65
50.0		1.67	1.85	2.04	2.26	2.49	
55.0			1.78	2.00	2.25	2.52	

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	3.81	5.34	7.22	9.50	12.25	15.50	19.30
25.0	3.50	5.03	6.91	9.17	11.90	15.15	18.95
30.0	3.13	4.67	6.54	8.79	11.50	14.70	18.50
35.0	2.72	4.26	6.11	8.35	11.05	14.25	18.00
40.0	2.25	3.78	5.63	7.85	10.50	13.70	17.45
45.0	1.72	3.24	5.07	7.27	9.91	13.05	16.80
50.0		2.62	4.43	6.60	9.22	12.35	
55.0			3.70	5.85	8.44	11.55	

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	3922
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
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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