



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											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	0.64	0.89	1.20	1.58	2.03	2.56	3.18	3.90	4.72	5.66	6.71	7.16
25.0	0.55	0.78	1.08	1.43	1.86	2.35	2.94	3.61	4.38	5.25	6.24	6.67
30.0	0.46	0.68	0.96	1.30	1.68	2.15	2.69	3.32	4.04	4.85	5.78	6.18
35.0	0.38	0.59	0.85	1.16	1.52	1.95	2.45	3.03	3.70	4.46	5.31	5.69
40.0	0.30	0.50	0.74	1.02	1.36	1.76	2.22	2.75	3.36	4.06	4.86	5.20
45.0	0.22	0.41	0.64	0.90	1.20	1.56	1.98	2.47	3.03	3.67	4.40	4.72
50.0	0.16	0.33	0.54	0.78	1.05	1.38	1.76	2.19	2.70	3.29	3.95	4.24
55.0		0.26	0.44	0.66	0.90	1.20	1.53	1.92	2.38	2.90	3.51	3.77

50 Hz

KJ-10

R404A Dew Point

Cond °C	Power, kW											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	0.52	0.61	0.69	0.77	0.84	0.90	0.94	0.96	0.96	0.94	0.89	0.87
25.0	0.50	0.60	0.69	0.78	0.86	0.94	0.99	1.03	1.06	1.06	1.03	1.02
30.0	0.48	0.58	0.69	0.79	0.88	0.97	1.04	1.10	1.15	1.17	1.17	1.16
35.0	0.46	0.57	0.68	0.80	0.90	1.00	1.09	1.17	1.23	1.28	1.30	1.30
40.0	0.44	0.56	0.68	0.80	0.92	1.03	1.14	1.23	1.31	1.38	1.42	1.44
45.0	0.42	0.54	0.67	0.80	0.93	1.05	1.17	1.28	1.38	1.47	1.54	1.56
50.0	0.40	0.53	0.66	0.79	0.93	1.07	1.20	1.33	1.45	1.56	1.64	1.68
55.0		0.50	0.64	0.79	0.93	1.08	1.23	1.37	1.50	1.63	1.74	1.78

Cond °C	Current at 400 V, A											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	1.59	1.66	1.73	1.81	1.89	1.95	2.01	2.04	2.06	2.04	1.98	1.95
25.0	1.59	1.66	1.75	1.83	1.92	2.00	2.08	2.14	2.17	2.19	2.17	2.15
30.0	1.59	1.66	1.75	1.85	1.95	2.05	2.14	2.22	2.28	2.32	2.34	2.33
35.0	1.59	1.66	1.75	1.85	1.97	2.08	2.19	2.30	2.39	2.46	2.50	2.51
40.0	1.57	1.65	1.75	1.86	1.98	2.11	2.24	2.37	2.48	2.58	2.66	2.69
45.0	1.56	1.64	1.74	1.86	1.99	2.14	2.29	2.43	2.57	2.70	2.81	2.85
50.0	1.54	1.62	1.72	1.85	2.00	2.16	2.32	2.49	2.66	2.82	2.96	3.01
55.0		1.60	1.71	1.84	2.00	2.17	2.36	2.55	2.74	2.92	3.10	3.16

Cond °C	Suction Mass Flow, g/s											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	3.88	5.42	7.34	9.70	12.55	15.95	19.95	24.60	30.10	36.40	43.80	47.00
25.0	3.48	5.03	6.93	9.25	12.05	15.35	19.30	23.90	29.30	35.60	42.80	46.10
30.0	3.08	4.62	6.50	8.79	11.55	14.80	18.65	23.20	28.50	34.70	41.90	45.10
35.0	2.67	4.21	6.07	8.31	11.00	14.20	17.95	22.40	27.60	33.70	40.90	44.10
40.0	2.24	3.78	5.62	7.82	10.45	13.55	17.25	21.60	26.80	32.80	39.90	43.00
45.0	1.80	3.35	5.17	7.33	9.89	12.95	16.55	20.80	25.90	31.80	38.80	42.00
50.0	1.34	2.90	4.70	6.82	9.32	12.30	15.85	20.00	25.00	30.90	37.80	41.00
55.0		2.44	4.24	6.31	8.76	11.65	15.10	19.20	24.10	29.90	36.90	40.10

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	3922
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	3.2
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