



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	0.45	0.63	0.86	1.14	1.47	1.86	2.32	2.84	3.44	4.12	4.89	5.22
25.0	0.38	0.56	0.78	1.04	1.35	1.72	2.14	2.64	3.20	3.84	4.56	4.88
30.0	0.32	0.49	0.70	0.94	1.23	1.57	1.97	2.43	2.96	3.56	4.24	4.54
35.0	0.26	0.42	0.61	0.84	1.11	1.43	1.80	2.23	2.72	3.28	3.92	4.20
40.0	0.20	0.36	0.53	0.75	1.00	1.29	1.63	2.03	2.48	3.01	3.60	3.85
45.0	0.15	0.29	0.46	0.65	0.88	1.15	1.46	1.83	2.25	2.73	3.28	3.51
50.0		0.22	0.38	0.56	0.76	1.01	1.30	1.63	2.01	2.45	2.96	3.18
55.0		0.16	0.30	0.46	0.65	0.87	1.13	1.43	1.78	2.18	2.64	2.84

50 Hz

KM-7

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	0.39	0.45	0.50	0.55	0.59	0.62	0.64	0.64	0.62	0.58	0.52	0.49
25.0	0.39	0.45	0.52	0.58	0.63	0.67	0.70	0.72	0.72	0.70	0.66	0.63
30.0	0.37	0.45	0.52	0.59	0.66	0.71	0.76	0.79	0.81	0.80	0.78	0.77
35.0	0.35	0.43	0.52	0.60	0.67	0.74	0.80	0.85	0.88	0.90	0.90	0.89
40.0	0.32	0.41	0.50	0.59	0.68	0.76	0.84	0.90	0.95	0.98	1.00	1.01
45.0	0.29	0.38	0.48	0.58	0.68	0.78	0.86	0.94	1.01	1.06	1.10	1.10
50.0		0.35	0.46	0.57	0.68	0.78	0.89	0.98	1.06	1.13	1.18	1.20
55.0		0.32	0.43	0.55	0.67	0.79	0.90	1.01	1.11	1.20	1.27	1.30

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	1.30	1.33	1.38	1.43	1.49	1.53	1.57	1.58	1.58	1.54	1.48	1.44
25.0	1.32	1.36	1.41	1.46	1.52	1.57	1.62	1.64	1.65	1.64	1.59	1.56
30.0	1.32	1.36	1.42	1.48	1.54	1.60	1.66	1.70	1.73	1.73	1.70	1.68
35.0	1.31	1.36	1.41	1.48	1.56	1.63	1.70	1.75	1.80	1.82	1.81	1.80
40.0	1.29	1.34	1.40	1.48	1.56	1.65	1.73	1.81	1.87	1.91	1.92	1.92
45.0	1.25	1.31	1.38	1.47	1.56	1.66	1.76	1.86	1.94	2.00	2.04	2.05
50.0		1.27	1.35	1.45	1.56	1.68	1.80	1.91	2.01	2.10	2.17	2.19
55.0		1.22	1.31	1.43	1.55	1.69	1.83	1.96	2.09	2.20	2.30	2.33

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	2.73	3.87	5.28	7.01	9.09	11.55	14.50	17.95	21.90	26.50	31.90	34.30
25.0	2.46	3.60	5.00	6.71	8.76	11.20	14.10	17.45	21.40	26.00	31.30	33.70
30.0	2.17	3.31	4.70	6.39	8.41	10.80	13.65	17.00	20.90	25.40	30.70	33.10
35.0	1.87	3.01	4.39	6.05	8.04	10.40	13.20	16.50	20.30	24.90	30.10	32.50
40.0	1.54	2.69	4.06	5.69	7.65	9.97	12.70	15.95	19.80	24.30	29.50	31.90
45.0	1.20	2.34	3.70	5.31	7.23	9.51	12.20	15.40	19.20	23.70	28.90	31.30
50.0		1.96	3.30	4.89	6.78	9.02	11.70	14.85	18.60	23.00	28.30	30.70
55.0		1.52	2.86	4.43	6.29	8.49	11.10	14.25	18.00	22.40	27.70	30.10

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	3922
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