



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								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	0.94	1.31	1.76	2.31	2.97	3.73	4.63	5.65	6.81
25.0	0.82	1.16	1.60	2.11	2.73	3.45	4.29	5.25	6.35
30.0	0.69	1.02	1.42	1.91	2.49	3.17	3.95	4.86	5.89
35.0	0.56	0.88	1.26	1.72	2.25	2.88	3.62	4.46	5.42
40.0	0.44	0.74	1.10	1.52	2.02	2.60	3.28	4.06	4.96
45.0	0.33	0.61	0.94	1.32	1.78	2.32	2.95	3.67	4.49
50.0	0.22	0.48	0.78	1.14	1.56	2.04	2.61	3.27	4.03
55.0		0.36	0.63	0.95	1.33	1.77	2.28	2.88	3.57

50 Hz

KL-20

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
20.0	0.68	0.81	0.93	1.03	1.12	1.20	1.26	1.30	1.31
25.0	0.67	0.80	0.94	1.06	1.18	1.27	1.36	1.42	1.46
30.0	0.64	0.79	0.94	1.08	1.21	1.33	1.44	1.52	1.59
35.0	0.60	0.77	0.93	1.09	1.24	1.38	1.50	1.62	1.72
40.0	0.57	0.74	0.92	1.09	1.26	1.42	1.57	1.71	1.83
45.0	0.52	0.71	0.90	1.08	1.28	1.46	1.62	1.79	1.94
50.0	0.47	0.67	0.87	1.08	1.28	1.48	1.68	1.87	2.05
55.0		0.63	0.85	1.07	1.29	1.51	1.73	1.94	2.15

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
20.0	1.92	2.05	2.18	2.31	2.42	2.51	2.58	2.61	2.60
25.0	1.97	2.10	2.25	2.39	2.52	2.64	2.73	2.80	2.84
30.0	1.98	2.12	2.27	2.43	2.58	2.72	2.85	2.96	3.03
35.0	1.97	2.11	2.27	2.44	2.62	2.78	2.94	3.09	3.20
40.0	1.94	2.09	2.26	2.44	2.63	2.83	3.01	3.19	3.35
45.0	1.90	2.05	2.23	2.42	2.64	2.85	3.07	3.29	3.49
50.0	1.86	2.01	2.20	2.41	2.64	2.88	3.13	3.38	3.62
55.0		1.98	2.17	2.39	2.64	2.91	3.19	3.47	3.76

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
20.0	5.76	8.02	10.80	14.25	18.35	23.20	29.00	35.60	43.40
25.0	5.21	7.46	10.25	13.65	17.70	22.50	28.20	34.80	42.50
30.0	4.62	6.88	9.64	13.00	17.00	21.80	27.40	33.90	41.50
35.0	4.00	6.25	9.00	12.30	16.25	21.00	26.50	33.00	40.50
40.0	3.34	5.59	8.32	11.60	15.50	20.10	25.60	32.00	39.50
45.0	2.65	4.90	7.59	10.80	14.65	19.20	24.60	30.90	38.40
50.0	1.92	4.16	6.83	10.00	13.75	18.25	23.60	29.80	37.20
55.0		3.38	6.02	9.15	12.85	17.25	22.50	28.70	36.10

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	7.38
Bore/Stroke, mm	47.6/23.8
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)
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	3.8
Locked Rotor Current, A	23.3
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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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