



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°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	0.73	1.02	1.38	1.80	2.31	2.91	3.60
25.0	0.64	0.92	1.26	1.66	2.14	2.71	3.36
30.0	0.56	0.82	1.14	1.52	1.97	2.50	3.12
35.0	0.47	0.72	1.02	1.37	1.80	2.29	2.88
40.0	0.39	0.62	0.89	1.23	1.62	2.08	2.63
45.0	0.30	0.52	0.77	1.08	1.44	1.87	2.37
50.0		0.42	0.65	0.93	1.27	1.66	2.12
55.0		0.33	0.54	0.79	1.09	1.44	

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.74	0.82	0.90	0.97	1.03	1.10	1.14
25.0	0.73	0.82	0.91	0.99	1.08	1.16	1.23
30.0	0.71	0.81	0.91	1.02	1.12	1.22	1.31
35.0	0.68	0.79	0.91	1.03	1.15	1.27	1.38
40.0	0.64	0.77	0.90	1.03	1.18	1.32	1.46
45.0	0.60	0.74	0.89	1.04	1.20	1.36	1.53
50.0		0.70	0.86	1.03	1.22	1.40	1.60
55.0		0.66	0.84	1.02	1.23	1.44	

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	2.10	2.19	2.27	2.34	2.41	2.48	2.53
25.0	2.10	2.19	2.28	2.38	2.47	2.56	2.64
30.0	2.08	2.18	2.29	2.40	2.52	2.64	2.75
35.0	2.05	2.16	2.29	2.42	2.56	2.71	2.85
40.0	2.01	2.13	2.27	2.43	2.59	2.77	2.95
45.0	1.96	2.10	2.25	2.43	2.62	2.83	3.04
50.0		2.05	2.23	2.42	2.64	2.88	3.13
55.0		1.99	2.19	2.41	2.66	2.93	

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	4.41	6.16	8.32	10.95	14.10	17.85	22.20
25.0	4.07	5.82	7.97	10.55	13.70	17.40	21.70
30.0	3.69	5.44	7.57	10.15	13.25	16.90	21.20
35.0	3.30	5.03	7.15	9.70	12.75	16.40	20.70
40.0	2.87	4.59	6.68	9.20	12.20	15.80	20.10
45.0	2.41	4.12	6.18	8.66	11.65	15.20	19.40
50.0		3.60	5.63	8.07	11.00	14.50	18.70
55.0		3.05	5.03	7.43	10.30	13.80	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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)
Sound Pressure @ 1m, dBA	47
Sound Power, dBA	58
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	3.4
Locked Rotor Current, A	19.1
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
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ACCESSORIES OPTIONAL

Adapter Kit	For Parallel Operation
Additional Cooling	1 or 2 ways water Coil
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	25 W Horizontal Air Flow Fan
Additional Cooling	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal

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
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00