



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	0.98	1.62	2.39	3.32	4.43	5.74	7.27
25.0	0.72	1.34	2.08	2.96	4.02	5.26	6.71
30.0		1.06	1.76	2.60	3.60	4.77	6.15
35.0		0.78	1.46	2.25	3.18	4.29	5.58
40.0			1.15	1.90	2.77	3.80	5.01
45.0			0.86	1.55	2.36	3.31	
50.0				1.22	1.96	2.83	
55.0				0.89	1.56	2.36	

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.96	1.19	1.42	1.64	1.85	2.06	2.26
25.0	0.87	1.12	1.38	1.64	1.88	2.13	2.37
30.0		1.05	1.34	1.62	1.91	2.19	2.46
35.0		0.96	1.28	1.60	1.92	2.24	2.55
40.0			1.20	1.56	1.92	2.27	2.62
45.0			1.11	1.50	1.89	2.28	
50.0				1.42	1.84	2.27	
55.0				1.30	1.77	2.23	

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	2.59	2.91	3.25	3.58	3.89	4.17	4.39
25.0	2.73	3.00	3.31	3.64	3.98	4.31	4.61
30.0		3.04	3.32	3.65	4.02	4.40	4.78
35.0		3.04	3.30	3.63	4.02	4.45	4.91
40.0			3.25	3.58	4.00	4.48	5.01
45.0			3.18	3.51	3.95	4.48	
50.0				3.43	3.90	4.48	
55.0				3.35	3.84	4.47	

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	5.92	9.80	14.50	20.20	27.00	35.20	44.80
25.0	4.54	8.46	13.20	18.90	25.70	33.80	43.40
30.0		7.03	11.80	17.45	24.20	32.30	41.80
35.0		5.51	10.25	15.90	22.60	30.60	40.10
40.0			8.62	14.25	20.90	28.80	38.30
45.0			6.88	12.45	19.05	26.90	
50.0				10.50	17.00	24.80	
55.0				8.42	14.85	22.50	

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	14.5
Bore/Stroke, mm	54.0/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	78
Gross Weight, kg	84
Suction, inch	7/8
Discharge, inch	5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2
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	295 x 279 (14)
Sound Pressure @ 1m, dBA	52
Sound Power, dBA	63
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	5.6
Locked Rotor Current, A	37.6
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
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal
Additional Cooling	70 W Vertical Air Flow Fan

**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
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