



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
25.0	1.62	2.55	3.68	5.05	6.67	8.58	10.80
30.0	1.28	2.17	3.24	4.52	6.05	7.85	9.94
35.0	0.96	1.79	2.80	4.00	5.43	7.11	9.07
40.0		1.42	2.36	3.48	4.80	6.36	8.19
45.0		1.07	1.94	2.96	4.18	5.62	7.30
50.0			1.52	2.46	3.57	4.88	6.42
55.0			1.13	1.97	2.97	4.15	5.54

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
25.0	1.48	1.84	2.21	2.57	2.94	3.29	3.62
30.0	1.40	1.78	2.19	2.60	3.01	3.41	3.80
35.0	1.28	1.70	2.14	2.60	3.06	3.52	3.97
40.0		1.60	2.08	2.57	3.08	3.60	4.11
45.0		1.48	1.99	2.53	3.08	3.65	4.22
50.0			1.87	2.45	3.06	3.68	4.31
55.0			1.72	2.35	3.01	3.68	4.37

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
25.0	4.08	4.53	5.01	5.51	6.01	6.51	6.99
30.0	3.97	4.46	4.98	5.53	6.10	6.68	7.27
35.0	3.84	4.36	4.92	5.53	6.17	6.83	7.51
40.0		4.23	4.84	5.50	6.21	6.95	7.73
45.0		4.07	4.72	5.43	6.21	7.04	7.91
50.0			4.56	5.33	6.18	7.08	8.05
55.0			4.36	5.19	6.10	7.09	8.14

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
25.0	10.25	16.15	23.40	32.10	42.70	55.10	69.80
30.0	8.53	14.45	21.60	30.30	40.70	53.10	67.60
35.0	6.72	12.60	19.70	28.30	38.60	50.80	65.20
40.0		10.60	17.65	26.10	36.30	48.30	62.60
45.0		8.53	15.45	23.80	33.70	45.60	59.70
50.0			13.10	21.20	31.00	42.70	56.60
55.0			10.60	18.55	28.10	39.60	53.30

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	22.5
Bore/Stroke, mm	61.9/42.8
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	77
Gross Weight, kg	82
Suction, inch	1 1/8
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	63
Sound Power, dBA	74
High Side PS gauge, bar	28
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	8.5
Locked Rotor Current, A	68.5
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
Adapter Kit	For Parallel Operation
Crankcase Heater	70 W Internal
Additional Cooling	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal 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