



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					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	3.75	5.10	6.83	8.94	11.45	14.30
15.0	3.46	4.76	6.42	8.44	10.80	13.55
20.0	3.16	4.40	5.99	7.92	10.20	12.80
25.0	2.84	4.03	5.54	7.38	9.55	12.05
30.0	2.51	3.64	5.08	6.83	8.89	11.25
35.0	2.18	3.25	4.62	6.28	8.23	10.45
40.0	1.85	2.86	4.16	5.73	7.57	9.69
45.0	1.52	2.48	3.70	5.18	6.91	
50.0	1.22	2.11	3.25	4.64	6.27	
55.0	0.92	1.76	2.82	4.12	5.64	

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.91	2.15	2.40	2.64	2.84	2.99
15.0	1.94	2.23	2.53	2.81	3.07	3.27
20.0	1.97	2.29	2.64	2.97	3.28	3.55
25.0	1.98	2.34	2.73	3.12	3.48	3.81
30.0	1.96	2.37	2.81	3.25	3.67	4.05
35.0	1.93	2.38	2.87	3.36	3.83	4.28
40.0	1.87	2.37	2.90	3.44	3.98	4.48
45.0	1.79	2.33	2.91	3.51	4.10	
50.0	1.68	2.26	2.89	3.54	4.19	
55.0	1.52	2.16	2.84	3.55	4.26	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	4.94	5.16	5.42	5.67	5.90	6.06
15.0	4.97	5.23	5.54	5.85	6.15	6.39
20.0	5.00	5.29	5.65	6.03	6.39	6.71
25.0	5.01	5.34	5.75	6.19	6.63	7.03
30.0	5.00	5.38	5.84	6.34	6.85	7.34
35.0	4.97	5.39	5.90	6.47	7.06	7.63
40.0	4.92	5.38	5.95	6.58	7.24	7.90
45.0	4.84	5.35	5.96	6.66	7.40	
50.0	4.73	5.28	5.95	6.71	7.52	
55.0	4.58	5.17	5.90	6.72	7.62	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	17.25	23.50	31.60	41.50	53.30	66.90
15.0	16.50	22.70	30.80	40.60	52.20	65.80
20.0	15.60	21.80	29.80	39.50	51.10	64.50
25.0	14.60	20.70	28.60	38.30	49.70	63.00
30.0	13.45	19.55	27.40	36.90	48.30	61.50
35.0	12.20	18.25	26.00	35.50	46.70	59.80
40.0	10.85	16.85	24.50	33.90	45.10	58.10
45.0	9.42	15.35	23.00	32.30	43.40	
50.0	7.92	13.80	21.40	30.60	41.60	
55.0	6.39	12.25	19.75	28.90	39.90	

**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)
High Side PS gauge, bar	28
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1397
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
Additional Cooling	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal
Adapter Kit	For Parallel Operation

**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