



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	-15.0	-10.0	-5.0
25.0	1.06	1.66	2.42	3.37	4.54	5.95	7.62	9.58	11.85	14.45
30.0	0.90	1.46	2.18	3.08	4.19	5.53	7.12	8.99	11.15	13.65
35.0		1.27	1.95	2.80	3.85	5.12	6.64	8.42	10.50	12.85
40.0		1.08	1.72	2.53	3.52	4.72	6.16	7.85		
45.0				2.26	3.20	4.33	5.69			
50.0				2.00	2.88	3.95	5.24			
55.0				1.75	2.58	3.58	4.80			

Cond °C	Power, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
25.0	1.20	1.42	1.66	1.92	2.17	2.42	2.64	2.84	3.01	3.12
30.0	1.18	1.42	1.68	1.96	2.24	2.52	2.80	3.05	3.26	3.44
35.0		1.40	1.68	1.98	2.30	2.62	2.94	3.23	3.51	3.75
40.0		1.38	1.68	2.01	2.35	2.71	3.07	3.41		
45.0				2.02	2.40	2.79	3.18			
50.0				2.03	2.43	2.86	3.29			
55.0				2.03	2.46	2.91	3.39			

Cond °C	Current at 400 V, A									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
25.0	3.93	4.09	4.30	4.54	4.80	5.06	5.31	5.54	5.72	5.86
30.0	3.92	4.09	4.32	4.58	4.87	5.18	5.48	5.77	6.03	6.25
35.0		4.08	4.32	4.61	4.94	5.28	5.64	5.99	6.32	6.63
40.0		4.07	4.32	4.63	4.99	5.38	5.79	6.20		
45.0				4.65	5.04	5.47	5.93			
50.0				4.65	5.08	5.55	6.06			
55.0				4.65	5.10	5.62	6.18			

Cond °C	Suction Mass Flow, g/s									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
25.0	5.41	8.43	12.30	17.20	23.30	30.60	39.30	49.60	61.60	75.60
30.0	4.73	7.68	11.50	16.30	22.20	29.40	38.00	48.10	60.00	73.90
35.0		6.90	10.60	15.30	21.10	28.20	36.60	46.70	58.40	72.20
40.0		6.11	9.74	14.35	20.00	26.90	35.30	45.20		
45.0				13.30	18.90	25.70	33.90			
50.0				12.30	17.75	24.40	32.50			
55.0				11.25	16.60	23.20	31.10			

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	18.2
Bore/Stroke, mm	60.4/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	85
Gross Weight, kg	91
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	52
Sound Power, dBA	63
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

**COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)**

Maximum Operating Current, A	7.3
Locked Rotor Current, A	53
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
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
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