



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return + fan
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

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	0.29	0.46	0.66	0.90	1.20	1.56	1.98	2.50	3.10	3.80
30.0	0.24	0.40	0.59	0.82	1.10	1.44	1.84	2.33	2.90	3.57
35.0		0.34	0.52	0.74	1.01	1.32	1.70	2.17	2.71	3.35
40.0		0.28	0.46	0.66	0.91	1.21	1.57	2.01	2.52	3.13
45.0			0.39	0.59	0.82	1.10	1.44	1.85	2.34	2.91
50.0			0.33	0.52	0.74	1.00	1.32	1.70	2.16	2.71
55.0				0.45	0.66	0.90	1.20	1.56	2.00	2.51

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	0.36	0.43	0.50	0.57	0.64	0.70	0.75	0.79	0.83	0.86
30.0	0.34	0.42	0.50	0.58	0.65	0.72	0.79	0.85	0.90	0.95
35.0		0.41	0.49	0.58	0.66	0.75	0.82	0.90	0.97	1.03
40.0		0.39	0.48	0.58	0.67	0.77	0.86	0.95	1.03	1.12
45.0			0.47	0.58	0.68	0.78	0.89	0.99	1.10	1.19
50.0			0.46	0.57	0.68	0.80	0.92	1.03	1.15	1.27
55.0				0.56	0.68	0.81	0.94	1.08	1.21	1.34

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	1.25	1.30	1.36	1.43	1.50	1.56	1.62	1.67	1.72	1.75
30.0	1.23	1.29	1.36	1.44	1.51	1.59	1.67	1.74	1.80	1.86
35.0		1.28	1.36	1.44	1.53	1.62	1.71	1.80	1.89	1.96
40.0		1.27	1.35	1.44	1.54	1.64	1.75	1.86	1.96	2.06
45.0			1.34	1.44	1.55	1.66	1.79	1.91	2.03	2.15
50.0			1.33	1.43	1.55	1.68	1.82	1.96	2.10	2.24
55.0				1.43	1.56	1.70	1.85	2.00	2.16	2.32

Cond °C	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	1.48	2.34	3.37	4.62	6.14	8.00	10.25	12.95	16.15	19.90
30.0	1.25	2.10	3.11	4.33	5.82	7.64	9.83	12.45	15.60	19.35
35.0		1.84	2.84	4.04	5.50	7.27	9.42	12.00	15.10	18.80
40.0		1.59	2.57	3.74	5.17	6.90	9.00	11.55	14.60	18.20
45.0			2.30	3.45	4.84	6.53	8.59	11.10	14.10	17.65
50.0			2.04	3.17	4.52	6.17	8.19	10.65	13.60	17.10
55.0				2.91	4.23	5.84	7.80	10.20	13.10	16.60

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	5.13
Bore/Stroke, mm	39.7/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	5/8
Discharge, inch	1/2
Oil Quantity, l	0.65
Frequency Range, Hz	25 - 60
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 (11.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	2.4
Locked Rotor Current, A	12.2
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	25 W Horizontal Air Flow Fan
Additional Cooling	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Emerson Industrial Automation, Unidrive M200 02 400 041

**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
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20