



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							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
20.0	1.38	1.85	2.42	3.10	3.89	4.83	5.90	7.14
25.0	1.27	1.72	2.26	2.91	3.67	4.57	5.60	6.78
30.0	1.16	1.59	2.11	2.73	3.45	4.30	5.29	6.42
35.0	1.04	1.46	1.96	2.54	3.23	4.04	4.98	6.06
40.0	0.94	1.33	1.80	2.36	3.01	3.78	4.67	5.70
45.0	0.84	1.21	1.66	2.18	2.80	3.52	4.37	5.35
50.0	0.74	1.10	1.51	2.00	2.59	3.27	4.07	
55.0	0.65	0.98	1.38	1.84	2.38	3.02		

Cond °C	Power, kW							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
20.0	0.90	1.02	1.13	1.23	1.30	1.35	1.36	1.34
25.0	0.91	1.05	1.18	1.30	1.40	1.48	1.52	1.54
30.0	0.92	1.07	1.22	1.36	1.49	1.60	1.68	1.72
35.0	0.92	1.09	1.26	1.42	1.56	1.70	1.81	1.89
40.0	0.92	1.10	1.28	1.46	1.64	1.80	1.94	2.05
45.0	0.91	1.10	1.30	1.50	1.70	1.88	2.05	2.20
50.0	0.90	1.10	1.31	1.53	1.75	1.96	2.15	
55.0	0.88	1.10	1.32	1.56	1.80	2.03		

Cond °C	Current at 400 V, A							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
20.0	2.23	2.35	2.48	2.58	2.67	2.73	2.76	2.74
25.0	2.24	2.39	2.53	2.67	2.79	2.89	2.96	2.99
30.0	2.25	2.41	2.58	2.74	2.90	3.04	3.15	3.23
35.0	2.25	2.43	2.62	2.81	3.00	3.17	3.33	3.46
40.0	2.25	2.44	2.65	2.87	3.09	3.30	3.50	3.67
45.0	2.24	2.45	2.67	2.92	3.17	3.42	3.65	3.88
50.0	2.23	2.45	2.69	2.96	3.24	3.52	3.80	
55.0	2.21	2.44	2.70	2.99	3.30	3.61		

Cond °C	Mass Flow, g/s							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
20.0	6.82	9.17	12.00	15.40	19.45	24.20	29.80	36.20
25.0	6.46	8.79	11.60	14.95	18.95	23.60	29.10	35.50
30.0	6.08	8.39	11.15	14.45	18.40	23.00	28.50	34.80
35.0	5.69	7.97	10.70	13.95	17.85	22.40	27.80	34.00
40.0	5.30	7.55	10.25	13.45	17.25	21.80	27.00	33.20
45.0	4.91	7.13	9.77	12.90	16.65	21.10	26.30	32.40
50.0	4.53	6.71	9.30	12.40	16.05	20.40	25.50	
55.0	4.17	6.31	8.85	11.85	15.45	19.70		

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	9.1
Bore/Stroke, mm	47.6/29.4
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	40
Gross Weight, kg	42
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	4.7
Locked Rotor Current, A	23.3
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 03 400 073

**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