



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	2.26	3.02	3.91	4.95					
25.0	2.01	2.72	3.57	4.56	5.72				
30.0	1.78	2.44	3.24	4.17	5.27	6.55	7.11	8.01	8.82
35.0	1.55	2.18	2.92	3.80	4.84	6.04	6.58	7.44	8.21
40.0	1.34	1.92	2.62	3.44	4.42	5.55	6.06	6.87	7.60
45.0	1.14	1.69	2.33	3.10	4.01	5.07	5.55	6.31	7.00
50.0	0.97	1.47	2.07	2.78	3.62	4.60	5.05	5.76	6.40
55.0	0.81	1.28	1.82	2.47	3.24	4.15	4.56	5.22	5.82
60.0	0.67	1.10	1.60	2.18	2.88	3.71	4.08	4.69	5.24
62.0	0.62	1.03	1.51	2.08	2.75	3.54	3.90	4.48	5.01

Cond °C	Power, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	0.97	1.02	1.06	1.08					
25.0	0.98	1.06	1.12	1.16	1.18				
30.0	1.00	1.08	1.16	1.23	1.28	1.30	1.30	1.30	1.29
35.0	1.01	1.12	1.22	1.30	1.37	1.42	1.44	1.45	1.46
40.0	1.02	1.14	1.26	1.36	1.46	1.54	1.56	1.60	1.62
45.0	1.02	1.16	1.30	1.42	1.54	1.64	1.68	1.74	1.77
50.0	1.03	1.18	1.33	1.48	1.62	1.74	1.80	1.86	1.91
55.0	1.04	1.20	1.36	1.52	1.68	1.84	1.90	1.98	2.05
60.0	1.06	1.22	1.39	1.56	1.74	1.92	1.99	2.09	2.17
62.0	1.06	1.22	1.40	1.58	1.77	1.95	2.02	2.13	2.21

Cond °C	Current at 400 V, A								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	2.71	2.77	2.81	2.83					
25.0	2.73	2.81	2.87	2.92	2.94				
30.0	2.74	2.84	2.93	3.00	3.06	3.08	3.09	3.08	3.07
35.0	2.75	2.87	2.99	3.09	3.17	3.23	3.25	3.27	3.27
40.0	2.76	2.90	3.04	3.16	3.27	3.37	3.40	3.44	3.47
45.0	2.78	2.93	3.08	3.23	3.37	3.50	3.55	3.61	3.66
50.0	2.79	2.95	3.12	3.30	3.46	3.62	3.68	3.77	3.84
55.0	2.80	2.97	3.16	3.35	3.55	3.74	3.82	3.92	4.01
60.0	2.80	2.99	3.19	3.40	3.63	3.85	3.94	4.07	4.17
62.0	2.81	2.99	3.20	3.42	3.65	3.89	3.98	4.12	4.24

Cond °C	Mass Flow, g/s								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	13.60	17.75	22.60	28.10					
25.0	12.65	16.75	21.50	26.90	33.10				
30.0	11.65	15.70	20.40	25.80	31.90	38.90	41.90	46.70	50.90
35.0	10.70	14.70	19.30	24.60	30.60	37.50	40.50	45.30	49.50
40.0	9.75	13.65	18.20	23.40	29.40	36.20	39.10	43.80	48.00
45.0	8.83	12.70	17.10	22.20	28.10	34.70	37.70	42.30	46.50
50.0	7.94	11.75	16.05	21.10	26.80	33.30	36.20	40.70	44.80
55.0	7.11	10.85	15.10	19.90	25.50	31.80	34.60	39.10	43.10
60.0	6.34	10.05	14.15	18.85	24.20	30.40	33.10	37.40	41.30
62.0	6.06	9.75	13.80	18.45	23.70	29.80	32.40	36.70	40.50

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	9.86
Bore/Stroke, mm	44.5/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	78
Gross Weight, kg	84
Suction, inch	7/8
Discharge, inch	5/8
Oil Quantity, l	2
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	295 x 279 (14.0)
Sound Pressure @ 1m, dBA	51
Sound Power, dBA	62
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	5.7
Locked Rotor Current, A	37.6
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
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
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