



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	4.36	5.72	7.34	9.24					
25.0	3.96	5.25	6.79	8.61	10.75				
30.0	3.57	4.80	6.26	7.99	10.00	12.40	13.40	15.10	16.60
35.0	3.18	4.35	5.73	7.37	9.30	11.55	12.55	14.15	15.60
40.0	2.81	3.91	5.22	6.77	8.60	10.75	11.70	13.20	14.60
45.0	2.44	3.48	4.71	6.18	7.90	9.93	10.85	12.30	13.60
50.0	2.09	3.07	4.23	5.60	7.22	9.12	9.97	11.35	12.60
55.0	1.76	2.68	3.75	5.03	6.54	8.32	9.12	10.40	11.55
60.0	1.44	2.30	3.30	4.48	5.88	7.53	8.27	9.47	
62.0	1.32	2.15	3.12	4.26	5.62	7.21	7.93	9.09	

Cond °C	Power, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	1.68	1.78	1.88	1.93					
25.0	1.72	1.88	2.00	2.11	2.18				
30.0	1.78	1.96	2.13	2.27	2.39	2.48	2.50	2.52	2.53
35.0	1.82	2.03	2.24	2.43	2.60	2.74	2.78	2.84	2.87
40.0	1.85	2.10	2.35	2.58	2.79	2.98	3.05	3.14	3.21
45.0	1.88	2.16	2.44	2.72	2.98	3.22	3.31	3.43	3.53
50.0	1.90	2.21	2.53	2.84	3.15	3.44	3.55	3.72	3.84
55.0	1.92	2.25	2.60	2.96	3.31	3.65	3.79	3.98	4.14
60.0	1.93	2.28	2.66	3.05	3.45	3.85	4.01	4.24	
62.0	1.93	2.29	2.68	3.09	3.51	3.92	4.09	4.34	

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	4.06	4.16	4.24	4.29					
25.0	4.11	4.25	4.38	4.48	4.55				
30.0	4.16	4.34	4.51	4.66	4.79	4.88	4.90	4.93	4.93
35.0	4.20	4.41	4.63	4.83	5.02	5.17	5.23	5.29	5.33
40.0	4.23	4.48	4.74	5.00	5.24	5.46	5.54	5.65	5.73
45.0	4.26	4.54	4.84	5.15	5.45	5.74	5.84	6.00	6.12
50.0	4.28	4.59	4.93	5.29	5.65	6.00	6.14	6.34	6.50
55.0	4.30	4.64	5.02	5.42	5.84	6.26	6.43	6.68	6.88
60.0	4.31	4.67	5.09	5.54	6.02	6.51	6.71	7.01	
62.0	4.31	4.68	5.11	5.58	6.09	6.61	6.82	7.14	

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	26.10	33.60	42.30	52.40					
25.0	24.80	32.30	40.90	50.90	62.20				
30.0	23.40	30.80	39.40	49.30	60.60	73.50	79.10	88.00	95.90
35.0	22.00	29.30	37.90	47.70	58.90	71.80	77.30	86.20	94.10
40.0	20.40	27.80	36.20	46.00	57.20	69.90	75.50	84.40	92.30
45.0	18.80	26.20	34.60	44.20	55.30	68.00	73.50	82.40	90.20
50.0	17.15	24.50	32.90	42.40	53.40	66.00	71.50	80.20	88.10
55.0	15.40	22.80	31.10	40.60	51.40	63.80	69.30	78.00	85.70
60.0	13.60	21.00	29.30	38.60	49.30	61.50	66.90	75.50	
62.0	12.85	20.30	28.60	37.90	48.50	60.60	65.90	74.40	

**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
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	52
Sound Power, dBA	63
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	7.3
Locked Rotor Current, A	53
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
------------------	---

**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 04 400 135

**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