



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 0 °C Suction Gas Return
- 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	5.23	6.81	8.77	11.20	14.05	17.50	19.00		
25.0	4.83	6.33	8.20	10.50	13.20	16.45	17.90	20.20	22.40
30.0	4.47	5.89	7.66	9.82	12.40	15.50	16.85	19.05	21.10
35.0	4.13	5.48	7.15	9.18	11.65	14.55	15.85	17.95	19.85
40.0	3.81	5.08	6.65	8.56	10.85	13.60	14.80	16.80	18.60
45.0	3.49	4.68	6.16	7.95	10.10	12.65	13.80	15.70	17.40
50.0	3.16	4.28	5.66	7.33	9.34	11.75	12.80	14.55	16.15
55.0	2.81	3.86	5.14	6.69	8.57	10.80	11.80	13.45	14.90
60.0	2.43	3.41	4.60	6.03	7.76	9.83	10.75	12.30	13.65
65.0	2.02	2.92	4.01	5.33	6.92	8.82	9.68	11.10	12.35

Cond °C	Power, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	2.15	2.28	2.37	2.42	2.43	2.39	2.36		
25.0	2.26	2.42	2.55	2.64	2.69	2.70	2.69	2.66	2.62
30.0	2.35	2.55	2.72	2.86	2.95	3.01	3.01	3.02	3.00
35.0	2.43	2.67	2.88	3.06	3.20	3.30	3.33	3.36	3.37
40.0	2.50	2.78	3.03	3.25	3.43	3.58	3.63	3.69	3.73
45.0	2.54	2.86	3.16	3.42	3.66	3.85	3.92	4.02	4.08
50.0	2.56	2.93	3.27	3.58	3.86	4.11	4.20	4.32	4.42
55.0	2.56	2.97	3.36	3.72	4.05	4.35	4.46	4.62	4.74
60.0	2.54	2.99	3.42	3.83	4.22	4.57	4.70	4.89	5.04
65.0	2.49	2.99	3.47	3.93	4.36	4.77	4.92	5.15	5.32

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	5.18	5.33	5.45	5.53	5.55	5.51	5.47		
25.0	5.09	5.27	5.43	5.55	5.62	5.62	5.61	5.56	5.49
30.0	5.11	5.32	5.52	5.69	5.81	5.87	5.88	5.87	5.84
35.0	5.20	5.45	5.70	5.91	6.09	6.21	6.24	6.27	6.28
40.0	5.32	5.62	5.91	6.18	6.42	6.61	6.67	6.74	6.78
45.0	5.45	5.80	6.14	6.47	6.76	7.02	7.11	7.23	7.31
50.0	5.55	5.94	6.34	6.73	7.09	7.42	7.55	7.71	7.83
55.0	5.57	6.02	6.48	6.93	7.37	7.78	7.93	8.14	8.31
60.0	5.49	6.00	6.52	7.04	7.55	8.04	8.23	8.50	8.71
65.0	5.26	5.83	6.42	7.02	7.61	8.18	8.41	8.73	8.99

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	31.40	40.00	50.60	63.30	78.30	95.60	103.00		
25.0	30.30	38.90	49.40	61.90	76.60	93.70	101.00	113.00	124.00
30.0	29.40	37.90	48.20	60.60	75.10	91.90	99.30	111.00	122.00
35.0	28.50	37.00	47.20	59.40	73.70	90.20	97.50	109.00	119.50
40.0	27.70	36.10	46.20	58.20	72.20	88.50	95.70	107.50	117.50
45.0	26.90	35.20	45.10	56.90	70.80	86.80	93.90	105.00	115.50
50.0	25.90	34.10	44.00	55.60	69.20	84.90	91.90	103.00	113.00
55.0	24.60	32.90	42.60	54.00	67.30	82.80	89.70	100.50	110.50
60.0	22.90	31.20	40.80	52.00	65.10	80.40	87.10	97.90	107.50
65.0	20.60	28.90	38.40	49.50	62.40	77.40	84.00	94.60	104.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	22.4
Bore/Stroke, mm	61.9/42.8
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	90
Gross Weight, kg	95
Suction, inch	1 1/8
Discharge, inch	7/8
Oil Quantity, l	2.4
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)
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	11.4
Locked Rotor Current, A	68.5
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

**ACCESSORIES OPTIONAL**

Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	70 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Inverter	Emerson Industrial Automation, Unidrive M200 05 400 270

**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
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWN	250-280 V / 3~ / 60 Hz	265	Y/DELTA	DELTA	1.73
EWN	440-480 V / 3~ / 60 Hz	460		Y	1.00
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00