



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return    — 20 K suction Superheat    — 20 K suction Superheat + 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-
10.0			6.08	7.84	9.94	12.40	15.25	18.50
15.0			5.73	7.42	9.43	11.80	14.55	17.65
20.0			5.38	7.00	8.92	11.20	13.80	16.80
25.0			5.02	6.57	8.41	10.55	13.05	15.95
30.0			4.67	6.14	7.89	9.94	12.30	15.10
35.0				5.72	7.37	9.32	11.60	14.20
40.0					6.86	8.70	10.85	13.35
45.0					6.35	8.08	10.10	12.45
50.0						7.47	9.37	11.60
55.0							8.64	10.70
60.0							7.91	9.84
62.0							7.62	9.50

Cond °C	Power, kW							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			2.20	2.39	2.56	2.71	2.84	2.97
15.0			2.38	2.60	2.80	2.99	3.16	3.31
20.0			2.53	2.79	3.03	3.25	3.46	3.65
25.0			2.66	2.96	3.25	3.51	3.75	3.98
30.0			2.76	3.12	3.44	3.75	4.03	4.30
35.0				3.25	3.62	3.97	4.30	4.62
40.0					3.78	4.18	4.56	4.92
45.0					3.92	4.37	4.80	5.21
50.0						4.55	5.03	5.50
55.0							5.25	5.77
60.0							5.45	6.03
62.0							5.52	6.13

Cond °C	Current at 400 V, A							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			5.09	5.33	5.56	5.76	5.94	6.08
15.0			5.24	5.51	5.77	6.02	6.24	6.43
20.0			5.38	5.69	6.00	6.29	6.56	6.80
25.0			5.51	5.88	6.23	6.57	6.90	7.20
30.0			5.63	6.05	6.46	6.86	7.24	7.61
35.0				6.21	6.68	7.14	7.59	8.03
40.0					6.89	7.42	7.94	8.45
45.0					7.08	7.69	8.29	8.88
50.0						7.93	8.62	9.29
55.0							8.93	9.70
60.0							9.22	10.09
62.0							9.33	10.24

Cond °C	Mass Flow, g/s							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			28.50	36.80	46.80	58.60	72.40	88.40
15.0			27.60	35.80	45.70	57.40	71.00	86.90
20.0			26.70	34.80	44.60	56.10	69.50	85.20
25.0			25.70	33.80	43.30	54.70	68.00	83.50
30.0			24.70	32.60	42.00	53.20	66.30	81.60
35.0				31.40	40.70	51.70	64.60	79.60
40.0					39.30	50.00	62.70	77.60
45.0					37.80	48.30	60.80	75.40
50.0						46.60	58.80	73.20
55.0							56.70	70.80
60.0							54.50	68.40
62.0							53.70	67.40

**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	1810
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**

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
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