



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return with add cooling
- 20 K Suction Superheat with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
25.0	2.78	3.88	5.20	6.79	8.68	10.90	13.50	16.50	19.95
30.0	2.52	3.58	4.84	6.36	8.17	10.30	12.80	15.65	18.95
35.0		3.28	4.49	5.94	7.66	9.69	12.05	14.80	18.00
40.0			4.15	5.53	7.16	9.09	11.35	14.00	17.00
45.0				5.13	6.68	8.51	10.65	13.15	
50.0				4.74	6.21	7.94	9.98		
55.0					5.75	7.39			

Cond °C	Power, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
25.0	2.39	2.77	3.16	3.53	3.87	4.18	4.45	4.67	4.82
30.0	2.39	2.81	3.23	3.65	4.05	4.43	4.77	5.06	5.30
35.0		2.83	3.29	3.76	4.21	4.65	5.06	5.43	5.75
40.0			3.33	3.84	4.35	4.85	5.33	5.77	6.18
45.0				3.91	4.48	5.03	5.58	6.09	
50.0				3.98	4.59	5.20	5.81		
55.0					4.69	5.35			

Cond °C	Current at 400 V, A								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
25.0	6.59	6.96	7.37	7.80	8.23	8.65	9.04	9.38	9.66
30.0	6.55	6.91	7.33	7.78	8.24	8.71	9.15	9.57	9.94
35.0		6.96	7.39	7.86	8.37	8.89	9.41	9.90	10.37
40.0			7.50	8.01	8.56	9.14	9.73	10.32	10.89
45.0				8.15	8.76	9.41	10.09	10.77	
50.0				8.24	8.91	9.64	10.41		
55.0					8.96	9.78			

Cond °C	Suction Mass Flow, g/s								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
25.0	14.15	19.75	26.60	34.80	44.60	56.20	69.90	85.90	104.50
30.0	13.25	18.85	25.60	33.70	43.40	54.80	68.40	84.20	102.50
35.0		17.90	24.60	32.50	42.10	53.50	66.80	82.50	101.00
40.0			23.50	31.40	40.80	52.10	65.30	80.80	99.00
45.0				30.30	39.60	50.70	63.80	79.20	
50.0				29.20	38.40	49.30	62.20		
55.0					37.10	47.90			

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	26.6
Bore/Stroke, mm	61.9/50.8
Length/Width, mm	515/330
Height, mm	385
Net Weight, kg	95
Gross Weight, kg	101
Suction, inch	1 1/8
Discharge, inch	7/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	1.6
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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	12.4
Locked Rotor Current, A	85.3
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Unloaded start	Available
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch

**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