



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

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	6.69	8.70	11.15	14.10	17.60	21.60	23.50		
25.0	6.34	8.26	10.60	13.40	16.75	20.60	22.30	25.10	27.60
30.0	5.97	7.80	10.05	12.70	15.85	19.55	21.20	23.80	26.20
35.0	5.59	7.33	9.43	11.95	14.95	18.45	20.00	22.50	24.80
40.0	5.19	6.83	8.82	11.20	14.05	17.35	18.85	21.20	23.40
45.0	4.77	6.32	8.19	10.45	13.10	16.20	17.60	19.85	21.90
50.0	4.35	5.80	7.55	9.64	12.15	15.05	16.35	18.50	20.40
55.0	3.92	5.27	6.89	8.84	11.15	13.90	15.10	17.10	18.90
60.0	3.48	4.72	6.22	8.02	10.15	12.70	13.85	15.65	17.35
65.0	3.03	4.17	5.54	7.18	9.15	11.50	12.55	14.25	15.80

50 Hz		2SC-55							R134a	
Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	2.47	2.68	2.83	2.91	2.91	2.79	2.71			
25.0	2.60	2.86	3.07	3.23	3.30	3.27	3.23	3.13	3.01	
30.0	2.71	3.01	3.28	3.50	3.65	3.71	3.71	3.66	3.59	
35.0	2.79	3.14	3.46	3.74	3.96	4.11	4.14	4.15	4.13	
40.0	2.85	3.24	3.61	3.95	4.24	4.46	4.53	4.60	4.63	
45.0	2.90	3.32	3.74	4.14	4.49	4.79	4.89	5.01	5.08	
50.0	2.93	3.38	3.84	4.29	4.71	5.08	5.21	5.38	5.50	
55.0	2.95	3.43	3.93	4.43	4.91	5.34	5.50	5.72	5.88	
60.0	2.96	3.47	4.00	4.55	5.08	5.58	5.76	6.03	6.23	
65.0	2.96	3.50	4.06	4.65	5.23	5.79	6.00	6.31	6.55	
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	6.10	6.31	6.51	6.66	6.72	6.68	6.62			
25.0	6.09	6.34	6.58	6.78	6.91	6.94	6.92	6.85	6.74	
30.0	6.14	6.43	6.72	6.98	7.18	7.29	7.30	7.28	7.23	
35.0	6.24	6.57	6.91	7.23	7.50	7.70	7.75	7.78	7.78	
40.0	6.36	6.73	7.13	7.51	7.86	8.14	8.22	8.32	8.37	
45.0	6.47	6.89	7.34	7.79	8.22	8.59	8.71	8.87	8.97	
50.0	6.55	7.02	7.53	8.06	8.56	9.03	9.19	9.41	9.57	
55.0	6.57	7.09	7.67	8.27	8.87	9.42	9.63	9.92	10.13	
60.0	6.51	7.09	7.74	8.42	9.10	9.76	10.01	10.36	10.63	
65.0	6.35	6.99	7.71	8.47	9.25	10.01	10.30	10.72	11.05	
Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	37.30	47.60	60.00	74.50	91.30	110.50	119.00			
25.0	36.80	47.00	59.30	73.60	90.20	109.50	117.50	131.00	142.50	
30.0	36.20	46.30	58.40	72.50	88.90	107.50	116.00	129.00	141.00	
35.0	35.40	45.40	57.30	71.30	87.40	106.00	114.00	127.00	138.50	
40.0	34.40	44.40	56.10	69.80	85.70	104.00	112.00	124.50	136.00	
45.0	33.30	43.10	54.60	68.10	83.70	101.50	109.50	122.00	133.00	
50.0	32.00	41.70	53.00	66.20	81.50	99.10	107.00	119.00	130.00	
55.0	30.60	40.10	51.10	64.00	79.00	96.10	103.50	116.00	126.50	
60.0	28.90	38.20	49.00	61.50	76.10	92.90	100.50	112.00	122.50	
65.0	27.00	36.10	46.60	58.70	72.90	89.20	96.40	108.00	118.50	

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	26.8
Bore/Stroke, mm	60.3/54.0
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	91
Gross Weight, kg	96
Suction, inch	1 1/8
Discharge, inch	7/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2.4
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)
Sound Pressure @ 1m, dBA	66.5
Sound Power, dBA	77.5
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	13.1
Locked Rotor Current, A	74.1
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

**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