



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	6.96	9.16	11.85	15.10	18.90	23.40	25.30		
25.0	6.49	8.57	11.10	14.15	17.75	22.00	23.90	26.90	29.60
30.0	6.03	7.99	10.40	13.25	16.65	20.60	22.40	25.30	27.80
35.0	5.58	7.43	9.67	12.40	15.60	19.35	21.00	23.70	26.10
40.0	5.14	6.88	8.99	11.50	14.55	18.05	19.65	22.20	24.50
45.0	4.71	6.34	8.32	10.70	13.50	16.85	18.30	20.70	22.90
50.0	4.28	5.81	7.66	9.88	12.50	15.65	17.00	19.25	21.30
55.0	3.85	5.29	7.02	9.09	11.55	14.45	15.75	17.85	19.75
60.0	3.41	4.76	6.38	8.31	10.60	13.30	14.50	16.45	18.25
65.0	2.97	4.24	5.75	7.54	9.66	12.15	13.30	15.10	16.75

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	2.91	3.12	3.30	3.42	3.47	3.44	3.41		
25.0	3.05	3.32	3.55	3.74	3.86	3.91	3.91	3.89	3.84
30.0	3.17	3.49	3.78	4.02	4.22	4.35	4.38	4.41	4.40
35.0	3.27	3.63	3.97	4.28	4.55	4.76	4.82	4.90	4.94
40.0	3.34	3.75	4.15	4.52	4.85	5.14	5.23	5.36	5.44
45.0	3.40	3.85	4.30	4.73	5.13	5.49	5.62	5.79	5.92
50.0	3.44	3.93	4.43	4.92	5.39	5.82	5.98	6.20	6.38
55.0	3.46	4.01	4.55	5.10	5.63	6.13	6.32	6.60	6.81
60.0	3.48	4.07	4.66	5.26	5.86	6.43	6.65	6.97	7.23
65.0	3.50	4.12	4.76	5.42	6.07	6.72	6.97	7.33	7.63

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	7.82	7.98	8.12	8.21	8.25	8.20	8.16		
25.0	7.95	8.17	8.38	8.55	8.68	8.74	8.74	8.72	8.67
30.0	8.06	8.34	8.62	8.87	9.09	9.25	9.29	9.34	9.35
35.0	8.16	8.49	8.84	9.17	9.48	9.74	9.82	9.93	10.00
40.0	8.24	8.63	9.04	9.45	9.84	10.20	10.33	10.50	10.63
45.0	8.29	8.74	9.22	9.70	10.18	10.63	10.80	11.04	11.23
50.0	8.33	8.84	9.38	9.94	10.50	11.04	11.26	11.56	11.80
55.0	8.36	8.91	9.51	10.15	10.79	11.43	11.68	12.05	12.34
60.0	8.36	8.96	9.63	10.33	11.06	11.79	12.08	12.51	12.86
65.0	8.34	9.00	9.72	10.49	11.30	12.12	12.45	12.95	13.35

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	41.70	53.90	68.40	85.50	105.00	128.00	137.50		
25.0	40.70	52.60	66.90	83.60	103.00	125.00	135.00	150.00	164.00
30.0	39.60	51.40	65.40	81.80	101.00	122.50	132.00	147.50	160.50
35.0	38.50	50.10	63.90	80.00	98.70	120.00	129.50	144.50	157.50
40.0	37.40	48.90	62.40	78.30	96.60	117.50	127.00	141.50	154.50
45.0	36.30	47.60	61.00	76.60	94.70	115.50	124.50	139.00	152.00
50.0	35.00	46.40	59.60	75.00	92.70	113.00	122.00	136.00	149.00
55.0	33.70	45.00	58.10	73.30	90.80	111.00	119.50	133.50	146.00
60.0	32.10	43.50	56.60	71.70	89.00	109.00	117.50	131.50	143.50
65.0	30.40	42.00	55.10	70.00	87.20	107.00	115.50	129.00	141.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	31.2
Bore/Stroke, mm	65.1/54.0
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	92
Gross Weight, kg	97
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)
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	16.4
Locked Rotor Current, A	85.3
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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