



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	6.24	8.13	10.45	13.20	16.50	20.30	22.00		
25.0	5.89	7.69	9.88	12.50	15.65	19.30	20.90	23.50	25.90
30.0	5.52	7.23	9.31	11.80	14.75	18.25	19.80	22.30	24.50
35.0	5.14	6.75	8.72	11.05	13.85	17.15	18.60	21.00	23.10
40.0	4.75	6.26	8.11	10.30	12.95	16.05	17.40	19.65	21.60
45.0	4.34	5.76	7.48	9.55	12.00	14.90	16.20	18.30	20.20
50.0	3.92	5.24	6.84	8.76	11.05	13.75	14.95	16.90	18.70
55.0	3.50	4.72	6.19	7.97	10.10	12.60	13.70	15.55	17.15
60.0	3.07	4.19	5.54	7.16	9.10	11.40	12.45	14.10	15.65
65.0	2.64	3.66	4.87	6.34	8.11	10.20	11.15	12.70	14.10

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	37.50	47.80	60.20	74.80	91.80	111.00	119.50		
25.0	36.90	47.20	59.50	73.90	90.70	110.00	118.00	131.50	143.50
30.0	36.30	46.50	58.60	72.90	89.30	108.50	116.50	129.50	141.50
35.0	35.50	45.60	57.60	71.60	87.80	106.50	114.50	127.50	139.00
40.0	34.50	44.50	56.30	70.10	86.10	104.50	112.50	125.50	136.50
45.0	33.40	43.30	54.90	68.40	84.10	102.00	110.00	122.50	134.00
50.0	32.10	41.80	53.20	66.50	81.80	99.50	107.00	119.50	130.50
55.0	30.70	40.20	51.30	64.30	79.30	96.60	104.00	116.50	127.00
60.0	29.00	38.30	49.10	61.80	76.40	93.30	100.50	112.50	123.00
65.0	27.00	36.10	46.70	58.90	73.10	89.60	96.80	108.50	119.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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

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

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