



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	12.30	15.25	18.75	22.90	27.70					
15.0	11.40	14.20	17.55	21.50	26.00	31.20				
20.0	10.55	13.20	16.35	20.10	24.30	29.20	34.80	37.30		
25.0	9.72	12.25	15.20	18.65	22.70	27.30	32.50	34.80	38.50	41.70
30.0	8.92	11.30	14.05	17.30	21.00	25.30	30.20	32.30	35.80	38.80
35.0	8.13	10.35	12.90	15.90	19.40	23.40	27.90	29.90	33.10	35.90
40.0		9.43	11.80	14.60	17.75	21.40	25.60	27.50	30.40	33.00
45.0			10.70	13.25	16.15	19.50	23.40	25.00	27.70	30.10
50.0				11.90	14.55	17.60	21.10	22.60	25.10	27.20
55.0				10.60	12.95	15.70	18.80	20.20	22.40	24.40
60.0					11.40	13.80	16.55	17.75	19.70	21.50
62.0					10.75	13.00	15.65	16.80	18.65	20.30

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	3.60	3.69	3.68	3.55	3.28					
15.0	3.91	4.10	4.19	4.19	4.04	3.75				
20.0	4.15	4.43	4.62	4.73	4.71	4.56	4.25	4.07		
25.0	4.34	4.69	4.99	5.20	5.30	5.28	5.12	5.00	4.78	4.54
30.0	4.49	4.91	5.29	5.60	5.82	5.93	5.90	5.85	5.72	5.56
35.0	4.61	5.10	5.55	5.96	6.28	6.51	6.62	6.62	6.58	6.50
40.0		5.26	5.79	6.28	6.70	7.04	7.27	7.33	7.38	7.37
45.0			6.00	6.57	7.09	7.54	7.89	8.00	8.13	8.19
50.0				6.86	7.46	8.01	8.47	8.63	8.84	8.97
55.0				7.15	7.83	8.47	9.04	9.24	9.52	9.72
60.0					8.21	8.93	9.60	9.85	10.20	10.45
62.0					8.36	9.12	9.83	10.10	10.45	10.75

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	8.10	8.24	8.31	8.27	8.12					
15.0	8.58	8.81	8.96	9.03	9.00	8.84				
20.0	8.96	9.27	9.52	9.70	9.78	9.75	9.59	9.49		
25.0	9.25	9.64	9.99	10.27	10.48	10.58	10.56	10.52	10.41	10.28
30.0	9.46	9.94	10.39	10.78	11.10	11.33	11.46	11.48	11.46	11.41
35.0	9.62	10.19	10.74	11.24	11.68	12.04	12.31	12.39	12.47	12.50
40.0		10.40	11.04	11.65	12.22	12.71	13.13	13.27	13.44	13.55
45.0			11.32	12.05	12.74	13.37	13.93	14.13	14.39	14.59
50.0				12.44	13.25	14.02	14.72	14.98	15.35	15.63
55.0				12.84	13.78	14.68	15.53	15.86	16.32	16.68
60.0					14.33	15.37	16.37	16.76	17.32	17.76
62.0					14.56	15.66	16.72	17.13	17.73	18.21

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	57.70	71.80	88.70	109.00	132.50					
15.0	55.10	68.90	85.40	105.00	128.00	154.50				
20.0	52.50	66.00	82.10	101.00	123.50	149.00	179.00	192.50		
25.0	49.90	63.10	78.70	97.10	118.50	143.50	173.00	185.50	206.00	225.00
30.0	47.30	60.10	75.20	93.00	114.00	138.00	166.00	178.50	198.50	217.00
35.0	44.70	57.10	71.60	88.70	108.50	132.00	159.00	171.00	190.50	208.00
40.0		54.00	67.90	84.30	103.50	126.00	151.50	163.50	182.00	198.50
45.0			64.10	79.70	97.90	119.00	144.00	155.00	173.00	189.00
50.0				74.80	92.10	112.00	135.50	146.00	163.00	178.50
55.0				69.70	85.80	104.50	127.00	136.50	152.50	167.50
60.0					79.10	96.60	117.00	126.50	141.50	155.00
62.0					76.20	93.20	113.00	122.00	136.50	150.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m³/h	26.9
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)
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	16.2
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
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Adapter Kit	For Parallel Operation
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation

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