



Minimum Evaporating Temp. With:

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

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	8.31	10.50	13.15	16.30	20.00	24.30	29.20	34.80	37.20
25.0	7.59	9.69	12.20	15.15	18.60	22.60	27.20	32.40	34.70
30.0	6.89	8.88	11.25	14.00	17.20	20.90	25.20	30.10	32.30
35.0	6.22	8.10	10.30	12.85	15.85	19.30	23.30	27.80	29.80
40.0	5.57	7.33	9.38	11.75	14.50	17.70	21.30	25.50	27.30
45.0	4.94	6.58	8.47	10.65	13.15	16.05	19.40	23.20	24.90
50.0	4.33	5.85	7.58	9.56	11.85	14.45	17.50	20.90	22.50
55.0		5.13	6.70	8.48	10.50	12.85	15.55	18.65	20.00

50 Hz

2SC-65

R404A Dew Point

Cond °C	Power, kW								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	3.83	4.15	4.43	4.62	4.73	4.71	4.56	4.25	4.07
25.0	3.96	4.34	4.69	4.99	5.20	5.30	5.28	5.12	5.00
30.0	4.05	4.49	4.91	5.29	5.60	5.82	5.93	5.90	5.85
35.0	4.11	4.61	5.10	5.55	5.96	6.28	6.51	6.62	6.62
40.0	4.17	4.71	5.26	5.79	6.28	6.70	7.04	7.27	7.33
45.0	4.23	4.81	5.41	6.00	6.57	7.09	7.54	7.89	8.00
50.0	4.31	4.92	5.57	6.22	6.86	7.46	8.01	8.47	8.63
55.0		5.06	5.74	6.44	7.15	7.83	8.47	9.04	9.24

Cond °C	Current at 400 V, A								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	8.61	8.96	9.27	9.52	9.70	9.78	9.75	9.59	9.49
25.0	8.82	9.25	9.64	9.99	10.27	10.48	10.58	10.56	10.52
30.0	8.96	9.46	9.94	10.39	10.78	11.10	11.33	11.46	11.48
35.0	9.04	9.62	10.19	10.74	11.24	11.68	12.04	12.31	12.39
40.0	9.08	9.74	10.40	11.04	11.65	12.22	12.71	13.13	13.27
45.0	9.09	9.83	10.58	11.32	12.05	12.74	13.37	13.93	14.13
50.0	9.09	9.91	10.75	11.60	12.44	13.25	14.02	14.72	14.98
55.0		10.00	10.93	11.89	12.84	13.78	14.68	15.53	15.86

Cond °C	Suction Mass Flow, g/s								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	51.20	65.10	82.00	102.00	126.00	154.50	188.00	227.00	244.00
25.0	49.00	62.90	79.60	99.60	123.50	151.00	184.00	223.00	240.00
30.0	46.90	60.70	77.20	96.90	120.50	148.00	180.00	218.00	235.00
35.0	44.70	58.50	74.90	94.30	117.00	144.50	176.50	214.00	231.00
40.0	42.50	56.30	72.50	91.60	114.00	141.00	172.50	209.00	226.00
45.0	40.30	54.10	70.10	88.90	111.00	137.50	168.00	205.00	221.00
50.0	38.10	51.90	67.70	86.20	108.00	133.50	164.00	201.00	217.00
55.0		49.70	65.40	83.60	105.00	130.50	160.50	196.50	213.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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	3922
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

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

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