



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- 0 °C Suction Gas Return with add cooling

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	3.17	4.43	6.01	7.91	10.20	12.85	15.95	19.50	23.50
25.0	2.82	4.03	5.53	7.34	9.50	12.05	14.95	18.35	22.20
30.0		3.62	5.04	6.75	8.79	11.20	13.95	17.15	20.80
35.0		3.20	4.53	6.14	8.05	10.30	12.90	15.90	19.35
40.0			4.01	5.51	7.29	9.38	11.80	14.65	17.85
45.0			3.50	4.87	6.51	8.44	10.70	13.30	16.30
50.0				4.22	5.72	7.48	9.56	11.95	14.75
55.0				3.58	4.92	6.51	8.39	10.60	13.10

50 Hz

2SC-55

R404A Dew Point

Cond °C	Power, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	2.28	2.76	3.21	3.62	3.97	4.25	4.44	4.54	4.54
25.0	2.24	2.78	3.29	3.77	4.21	4.58	4.88	5.10	5.22
30.0		2.76	3.34	3.89	4.40	4.87	5.27	5.60	5.84
35.0		2.71	3.34	3.96	4.55	5.10	5.59	6.03	6.38
40.0			3.31	3.99	4.64	5.27	5.86	6.39	6.85
45.0			3.24	3.97	4.69	5.39	6.06	6.68	7.25
50.0				3.90	4.68	5.45	6.20	6.91	7.57
55.0				3.79	4.62	5.45	6.27	7.06	7.82

Cond °C	Current at 400 V, A								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	6.11	6.54	6.98	7.42	7.82	8.16	8.41	8.55	8.54
25.0	6.08	6.56	7.07	7.59	8.09	8.55	8.94	9.22	9.38
30.0		6.56	7.13	7.73	8.33	8.89	9.40	9.83	10.16
35.0		6.52	7.15	7.82	8.51	9.18	9.81	10.38	10.85
40.0			7.13	7.87	8.63	9.40	10.15	10.85	11.47
45.0			7.06	7.85	8.70	9.56	10.41	11.23	11.99
50.0				7.78	8.69	9.64	10.60	11.53	12.43
55.0				7.65	8.62	9.64	10.69	11.74	12.77

Cond °C	Suction Mass Flow, g/s								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
20.0	19.30	27.10	36.80	48.70	63.00	79.90	99.80	123.00	150.00
25.0	18.00	25.80	35.60	47.40	61.60	78.50	98.40	121.50	148.50
30.0		24.40	34.10	45.90	60.00	76.80	96.60	120.00	147.00
35.0		22.80	32.40	44.10	58.10	74.80	94.60	117.50	144.50
40.0			30.50	42.10	56.00	72.50	92.10	115.00	142.00
45.0			28.40	39.80	53.50	69.90	89.30	112.50	139.50
50.0				37.20	50.70	66.90	86.20	109.00	136.00
55.0				34.30	47.60	63.50	82.70	105.50	133.00

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 (LT), dBA	66
Sound Power (LT), dBA	77
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	62
Sound Power (MT), dBA	73
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
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	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

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