



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return

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	6.73	8.63	10.90	13.65	16.80	20.40	24.60	29.20	31.30
25.0	6.22	8.03	10.20	12.70	15.65	19.05	22.90	27.30	29.20
30.0	5.71	7.41	9.43	11.80	14.55	17.70	21.30	25.40	27.10
35.0	5.19	6.79	8.67	10.85	13.40	16.30	19.60	23.40	25.00
40.0	4.67	6.16	7.90	9.92	12.25	14.90	17.95	21.40	22.90
45.0	4.14	5.52	7.12	8.96	11.05	13.50	16.25	19.35	20.70
50.0	3.61	4.88	6.33	7.99	9.89	12.05	14.50	17.30	18.50
55.0		4.23	5.53	7.01	8.69	10.60	12.80	15.25	16.30

50 Hz

2SA-55

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	3.00	3.32	3.60	3.84	4.05	4.23	4.38	4.52	4.56
25.0	3.09	3.46	3.78	4.06	4.31	4.53	4.72	4.89	4.95
30.0	3.18	3.60	3.97	4.30	4.60	4.86	5.09	5.30	5.38
35.0	3.26	3.74	4.16	4.55	4.89	5.20	5.49	5.75	5.84
40.0	3.32	3.85	4.34	4.78	5.18	5.55	5.89	6.20	6.32
45.0	3.33	3.93	4.48	4.99	5.46	5.89	6.28	6.65	6.80
50.0	3.29	3.96	4.59	5.16	5.70	6.19	6.66	7.09	7.26
55.0		3.93	4.63	5.28	5.89	6.46	7.00	7.50	7.70

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	6.77	7.14	7.50	7.83	8.14	8.42	8.69	8.94	9.03
25.0	6.47	6.87	7.25	7.61	7.95	8.26	8.54	8.81	8.90
30.0	6.51	6.97	7.40	7.81	8.19	8.54	8.86	9.16	9.27
35.0	6.75	7.28	7.78	8.25	8.69	9.10	9.49	9.84	9.97
40.0	7.01	7.63	8.22	8.77	9.30	9.79	10.25	10.68	10.84
45.0	7.13	7.86	8.55	9.21	9.84	10.43	10.99	11.51	11.71
50.0	6.94	7.80	8.62	9.41	10.15	10.86	11.54	12.17	12.41
55.0		7.29	8.26	9.19	10.08	10.92	11.73	12.50	12.79

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	41.40	53.40	67.90	85.30	106.00	130.00	158.00	191.00	205.00
25.0	40.20	52.10	66.50	83.60	104.00	127.50	155.00	187.50	202.00
30.0	38.80	50.60	64.80	81.70	101.50	125.00	152.00	183.50	198.00
35.0	37.30	49.00	63.00	79.60	99.10	122.00	148.50	179.50	193.50
40.0	35.60	47.30	61.10	77.30	96.40	118.50	145.00	175.50	189.00
45.0	33.80	45.40	58.90	74.80	93.40	115.00	141.00	170.50	184.00
50.0	31.70	43.20	56.50	72.00	90.20	111.50	136.50	165.50	179.00
55.0		40.90	54.00	69.10	86.70	107.50	131.50	160.50	173.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	22.4
Bore/Stroke, mm	61.9/42.8
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	90
Gross Weight, kg	95
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	13.1
Locked Rotor Current, A	67.3
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