



Minimum Evaporating Temp. With:	
— 20 °C Suction Gas Return ASERCOM certified	— 25 °C Suction Gas Return
— 0 °C Suction Gas Return	— 0 °C Suction Gas Return with add cooling
— Maximum Evaporating Temperature	

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	3.84	5.45	7.40	9.73	12.50	15.75	19.55	23.90	28.90
25.0	3.34	4.89	6.74	8.94	11.55	14.60	18.15	22.30	27.00
30.0		4.34	6.09	8.16	10.60	13.45	16.80	20.60	25.10
35.0			5.45	7.39	9.67	12.35	15.45	19.05	23.20
40.0			4.83	6.64	8.75	11.20	14.10	17.40	21.30
45.0				5.90	7.85	10.10	12.75	15.80	19.35
50.0				5.19	6.97	9.04	11.45	14.25	17.50
55.0					6.12	7.99	10.15	12.70	15.65

50 Hz

2SK-65

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	2.74	3.26	3.76	4.23	4.67	5.06	5.39	5.66	5.87
25.0	2.73	3.30	3.86	4.41	4.92	5.40	5.83	6.22	6.54
30.0		3.31	3.93	4.54	5.13	5.69	6.22	6.71	7.15
35.0			3.97	4.64	5.30	5.94	6.56	7.15	7.70
40.0			3.98	4.71	5.43	6.15	6.85	7.54	8.19
45.0				4.75	5.53	6.32	7.11	7.88	8.63
50.0				4.78	5.62	6.47	7.33	8.18	9.03
55.0					5.68	6.59	7.52	8.45	9.39

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	7.32	7.82	8.36	8.93	9.50	10.03	10.51	10.89	11.16
25.0	7.35	7.86	8.45	9.08	9.74	10.38	10.98	11.51	11.95
30.0		7.92	8.54	9.23	9.97	10.71	11.44	12.12	12.72
35.0			8.63	9.38	10.19	11.03	11.88	12.70	13.48
40.0			8.70	9.50	10.39	11.33	12.30	13.26	14.20
45.0				9.60	10.56	11.60	12.68	13.79	14.88
50.0				9.67	10.70	11.83	13.02	14.26	15.52
55.0					10.79	12.01	13.32	14.69	16.10

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	23.40	33.30	45.40	59.90	77.30	98.00	122.50	151.00	184.50
25.0	21.40	31.40	43.30	57.70	74.90	95.30	119.50	147.50	180.50
30.0		29.30	41.20	55.50	72.40	92.50	116.50	144.00	177.00
35.0			39.00	53.10	69.80	89.70	113.00	140.50	173.00
40.0			36.70	50.70	67.20	86.70	110.00	137.00	169.50
45.0				48.20	64.50	83.70	106.50	133.50	165.50
50.0				45.70	61.80	80.80	103.50	130.00	161.50
55.0					59.20	77.90	100.00	127.00	158.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	31.2
Bore/Stroke, mm	65.1/54.0
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	92
Gross Weight, kg	97
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	67
Sound Power (LT), dBA	78
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	16.4
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