



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	7.46	9.81	12.65	16.10	20.20	24.90	27.00		
25.0	6.99	9.21	11.90	15.15	19.00	23.50	25.50	28.70	31.50
30.0	6.52	8.62	11.20	14.25	17.90	22.10	24.00	27.10	29.80
35.0	6.07	8.06	10.50	13.40	16.80	20.80	22.60	25.50	28.10
40.0	5.63	7.51	9.79	12.50	15.75	19.55	21.30	24.00	26.40
45.0	5.19	6.96	9.11	11.70	14.75	18.35	19.90	22.50	24.80
50.0	4.75	6.43	8.45	10.90	13.75	17.10	18.65	21.10	23.20
55.0	4.31	5.90	7.81	10.10	12.80	15.95	17.35	19.65	21.70
60.0	3.86	5.37	7.17	9.30	11.85	14.80	16.15	18.30	20.20
65.0	3.41	4.84	6.54	8.54	10.90	13.70	14.95	16.95	18.75

50 Hz		2SK-65								R134a
Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	2.91	3.12	3.30	3.42	3.47	3.44	3.41			
25.0	3.05	3.32	3.55	3.74	3.86	3.91	3.91	3.89	3.84	
30.0	3.17	3.49	3.78	4.02	4.22	4.35	4.38	4.41	4.40	
35.0	3.27	3.63	3.97	4.28	4.55	4.76	4.82	4.90	4.94	
40.0	3.34	3.75	4.15	4.52	4.85	5.14	5.23	5.36	5.44	
45.0	3.40	3.85	4.30	4.73	5.13	5.49	5.62	5.79	5.92	
50.0	3.44	3.93	4.43	4.92	5.39	5.82	5.98	6.20	6.38	
55.0	3.46	4.01	4.55	5.10	5.63	6.13	6.32	6.60	6.81	
60.0	3.48	4.07	4.66	5.26	5.86	6.43	6.65	6.97	7.23	
65.0	3.50	4.12	4.76	5.42	6.07	6.72	6.97	7.33	7.63	
Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	7.82	7.98	8.12	8.21	8.25	8.20	8.16			
25.0	7.95	8.17	8.38	8.55	8.68	8.74	8.74	8.72	8.67	
30.0	8.06	8.34	8.62	8.87	9.09	9.25	9.29	9.34	9.35	
35.0	8.16	8.49	8.84	9.17	9.48	9.74	9.82	9.93	10.00	
40.0	8.24	8.63	9.04	9.45	9.84	10.20	10.33	10.50	10.63	
45.0	8.29	8.74	9.22	9.70	10.18	10.63	10.80	11.04	11.23	
50.0	8.33	8.84	9.38	9.94	10.50	11.04	11.26	11.56	11.80	
55.0	8.36	8.91	9.51	10.15	10.79	11.43	11.68	12.05	12.34	
60.0	8.36	8.96	9.63	10.33	11.06	11.79	12.08	12.51	12.86	
65.0	8.34	9.00	9.72	10.49	11.30	12.12	12.45	12.95	13.35	
Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	41.60	53.70	68.10	85.10	104.50	127.00	137.00			
25.0	40.50	52.40	66.60	83.20	102.50	124.50	134.00	149.50	163.00	
30.0	39.50	51.20	65.10	81.40	100.50	122.00	131.50	146.50	160.00	
35.0	38.40	50.00	63.60	79.70	98.20	119.50	129.00	143.50	157.00	
40.0	37.30	48.70	62.20	78.00	96.20	117.00	126.50	141.00	154.00	
45.0	36.20	47.50	60.80	76.30	94.30	115.00	124.00	138.00	151.00	
50.0	35.00	46.20	59.40	74.70	92.30	112.50	121.50	135.50	148.50	
55.0	33.60	44.90	57.90	73.00	90.50	110.50	119.00	133.00	145.50	
60.0	32.10	43.40	56.50	71.40	88.60	108.50	117.00	130.50	143.00	
65.0	30.30	41.90	54.90	69.80	86.90	106.50	115.00	128.50	140.50	

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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
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