



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 5.0K

Liquid Subcooling 4.0K

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	48.10	63.10	81.90	104.00					
25.0	44.30	58.60	76.60	98.00	122.50				
30.0	40.50	54.20	71.40	91.90	115.50	142.50	154.00	172.00	188.00
35.0	36.70	49.70	66.10	85.60	108.50	134.00	145.00	162.50	177.50
40.0	33.00	45.20	60.80	79.40	101.00	125.50	136.00	152.50	167.50
45.0	29.30	40.80	55.40	73.10	93.60	117.00	127.00	143.00	157.00
50.0	25.60	36.30	50.10	66.70	86.20	108.50	118.00	133.00	146.50
55.0	22.00	31.90	44.70	60.30	78.70	99.60	108.50	123.00	135.50
60.0	18.45	27.50	39.30	53.90	71.10	90.80	99.30	113.00	125.00
62.0			37.20	51.40	68.10	87.20	95.60	109.00	120.50

50 Hz		8SK-600								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	16.95	18.45	19.75	20.70						
25.0	17.60	19.55	21.40	22.80	23.80					
30.0	18.15	20.50	22.70	24.70	26.30	27.20	27.30	27.30	27.00	
35.0	18.55	21.20	23.80	26.30	28.40	30.00	30.40	30.80	30.80	
40.0	18.85	21.70	24.70	27.60	30.20	32.40	33.10	33.90	34.30	
45.0	19.05	22.20	25.50	28.70	31.80	34.50	35.40	36.60	37.40	
50.0	19.20	22.50	26.00	29.70	33.20	36.30	37.50	39.00	40.10	
55.0	19.35	22.80	26.50	30.40	34.30	37.90	39.20	41.10	42.50	
60.0	19.50	23.00	26.90	31.00	35.20	39.20	40.70	42.90	44.50	
62.0			27.00	31.20	35.50	39.70	41.30	43.50	45.30	
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	55.52	56.60	57.80	58.84						
25.0	56.21	57.64	59.26	60.82	62.04					
30.0	56.74	58.51	60.56	62.61	64.41	65.71	66.03	66.24	66.14	
35.0	57.11	59.22	61.67	64.22	66.60	68.55	69.15	69.81	70.11	
40.0	57.32	59.75	62.61	65.65	68.59	71.20	72.08	73.19	73.88	
45.0	57.36	60.11	63.38	66.90	70.41	73.65	74.82	76.38	77.46	
50.0	57.24	60.31	63.97	67.97	72.04	75.92	77.37	79.36	80.84	
55.0	56.96	60.34	64.40	68.86	73.49	78.00	79.72	82.16	84.02	
60.0	56.52	60.21	64.65	69.58	74.75	79.90	81.89	84.76	87.00	
62.0			64.71	69.82	75.21	80.60	82.70	85.74	88.14	
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	286.00	368.00	469.00	586.00						
25.0	275.00	357.00	457.00	574.00	706.00					
30.0	263.00	345.00	445.00	562.00	693.00	838.00	900.00	996.00	1078.00	
35.0	250.00	332.00	432.00	548.00	680.00	825.00	886.00	982.00	1064.00	
40.0	237.00	317.00	417.00	533.00	665.00	809.00	871.00	966.00	1049.00	
45.0	222.00	302.00	401.00	517.00	648.00	793.00	854.00	949.00	1032.00	
50.0	206.00	285.00	384.00	499.00	630.00	774.00	835.00	931.00	1014.00	
55.0	189.00	267.00	364.00	479.00	610.00	754.00	815.00	910.00	993.00	
60.0	170.50	246.00	343.00	457.00	587.00	731.00	792.00	888.00	971.00	
62.0			333.00	447.00	577.00	721.00	782.00	878.00	961.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m ³ /h	210
Bore/Stroke, mm	80.6/59.2
Length/Width, mm	863/541
Height, mm	610
Net Weight, kg	349
Gross Weight, kg	370
Suction, inch	3 1/8
Discharge, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
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	457 x 305 (18)
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	88.2
Locked Rotor Current, A	476
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Crankcase Heater	200 W Internal
Discharge Temperature Protection	Head PTC sensor
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YYY	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	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
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00