



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat with add cooling
— 20 K Suction Superheat	
— Maximum Evaporating Temperature	

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	75.60	95.00	118.50	146.50	179.50	219.00				
15.0	71.10	89.60	112.00	138.50	170.50	208.00				
20.0	66.80	84.40	105.50	131.00	161.50	197.00	239.00	257.00		
25.0	62.70	79.50	99.60	124.00	152.50	186.50	226.00	244.00	273.00	299.00
30.0	58.90	74.70	93.80	117.00	144.00	176.50	214.00	231.00	258.00	283.00
35.0		70.20	88.30	110.00	136.00	166.50	202.00	218.00	244.00	268.00
40.0			82.90	103.50	127.50	156.50	191.00	206.00	231.00	253.00
45.0			77.70	96.90	120.00	147.00	179.50	194.00	217.00	238.00
50.0				90.70	112.50	138.00	168.50	182.00	204.00	224.00
55.0					105.00	129.00	157.50	170.00	191.00	210.00
60.0					97.50	120.00	146.50	158.50	178.00	196.00
62.0					94.60	116.50	142.50	154.00	173.00	190.50

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	22.70	24.00	24.80	24.80	24.00	22.30				
15.0	24.20	26.00	27.30	28.10	28.00	27.10				
20.0	25.50	27.80	29.70	31.10	31.70	31.60	30.50	29.80		
25.0	26.70	29.50	31.90	33.90	35.20	35.80	35.60	35.20	34.30	33.30
30.0	27.90	31.00	33.90	36.50	38.50	39.80	40.40	40.40	40.00	39.50
35.0		32.40	35.80	38.90	41.50	43.60	44.90	45.20	45.40	45.30
40.0			37.60	41.10	44.30	47.10	49.20	49.80	50.50	50.80
45.0			39.20	43.20	47.00	50.40	53.20	54.10	55.30	56.10
50.0				45.20	49.50	53.40	57.00	58.20	59.90	61.00
55.0					51.80	56.30	60.50	62.00	64.10	65.70
60.0					54.00	59.10	63.80	65.60	68.20	70.10
62.0					54.80	60.10	65.10	67.00	69.70	71.80

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	64.97	66.17	66.85	66.80	65.80	63.63				
15.0	65.91	67.61	68.91	69.60	69.44	68.23				
20.0	66.91	69.10	71.00	72.40	73.08	72.82	71.39	70.44		
25.0	67.94	70.60	73.10	75.20	76.70	77.37	76.99	76.49	75.34	73.97
30.0	68.98	72.10	75.18	77.97	80.28	81.86	82.52	82.47	82.02	81.27
35.0		73.58	77.21	80.69	83.79	86.28	87.96	88.35	88.60	88.46
40.0			79.19	83.33	87.21	90.60	93.29	94.12	95.05	95.52
45.0			81.09	85.88	90.53	94.80	98.48	99.74	101.35	102.42
50.0				88.31	93.71	98.85	103.52	105.20	107.49	109.15
55.0					96.75	102.74	108.38	110.48	113.43	115.68
60.0					99.61	106.45	113.04	115.56	119.17	121.99
62.0					100.70	107.87	114.84	117.53	121.39	124.44

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	355.00	447.00	560.00	695.00	858.00	1051.00				
15.0	343.00	434.00	544.00	678.00	837.00	1028.00				
20.0	333.00	422.00	530.00	661.00	818.00	1005.00	1227.00	1328.00		
25.0	322.00	410.00	516.00	644.00	798.00	983.00	1202.00	1301.00	1463.00	1610.00
30.0	313.00	398.00	502.00	628.00	780.00	961.00	1177.00	1275.00	1435.00	1581.00
35.0		387.00	489.00	613.00	761.00	940.00	1153.00	1249.00	1407.00	1552.00
40.0			477.00	598.00	744.00	919.00	1129.00	1224.00	1380.00	1523.00
45.0			465.00	583.00	726.00	899.00	1106.00	1200.00	1354.00	1495.00
50.0				569.00	710.00	879.00	1083.00	1176.00	1328.00	1468.00
55.0					693.00	860.00	1061.00	1152.00	1303.00	1441.00
60.0					677.00	841.00	1040.00	1130.00	1279.00	1416.00
62.0					671.00	834.00	1031.00	1121.00	1269.00	1406.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m³/h	210
Bore/Stroke, mm	80.6/59.2
Length/Width, mm	904/541
Height, mm	610
Net Weight, kg	355
Gross Weight, kg	376
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	1810
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	127
Locked Rotor Current, A	574
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 75/50%
Oil Pressure Switch	OPS2 Electronic Switch
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Crankcase Heater	200 W Internal
Check Valve	For unloaded start operation

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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