



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 20 K Suction Superheat with add cooling
- Maximum Evaporating Temperature

Suction Superheat 10.0K

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	15.0
10.0	75.70	96.50	121.00	150.50	184.50	224.00					
15.0	69.40	89.30	113.00	141.00	174.00	212.00	256.00				
20.0	63.10	82.20	105.00	132.00	163.50	200.00	243.00	261.00	291.00		
25.0	56.80	75.00	96.80	122.50	153.00	188.00	229.00	247.00	276.00	301.00	329.00
30.0	50.50	67.90	88.70	113.50	142.50	176.00	215.00	232.00	260.00	285.00	311.00
35.0	44.30	60.80	80.60	104.00	132.00	164.00	202.00	218.00	245.00	268.00	294.00
40.0	38.10	53.80	72.60	94.90	121.50	152.00	188.00	204.00	229.00	252.00	276.00
45.0	32.00	46.90	64.70	85.90	111.00	140.00	174.50	189.50	214.00	236.00	259.00
50.0	26.00	40.10	56.90	76.90	100.50	128.50	161.00	175.50	198.50	220.00	242.00
55.0		33.40	49.20	68.10	90.40	117.00	147.50	161.50	183.50	204.00	225.00
60.0			41.70	59.40	80.40	105.50	134.50	147.50	168.50	187.50	208.00
65.0				50.90	70.60	94.10	121.50	134.00	154.00	172.00	191.50

Cond °C	Power, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	22.10	23.50	24.40	24.50	23.60	21.70					
15.0	23.00	25.00	26.50	27.30	27.30	26.30	24.10				
20.0	23.90	26.30	28.40	29.90	30.70	30.60	29.40	28.60	27.00		
25.0	24.50	27.50	30.20	32.30	33.90	34.60	34.40	34.00	33.10	31.90	30.50
30.0	25.00	28.40	31.70	34.50	36.80	38.40	39.20	39.20	38.90	38.30	37.40
35.0	25.30	29.20	33.00	36.50	39.50	41.90	43.60	44.00	44.30	44.30	44.00
40.0	25.40	29.70	34.00	38.10	41.90	45.10	47.70	48.50	49.50	50.00	50.20
45.0	25.20	30.00	34.80	39.50	44.00	48.10	51.50	52.70	54.30	55.30	56.10
50.0	24.90	30.00	35.30	40.70	45.80	50.60	55.00	56.50	58.70	60.20	61.60
55.0		29.80	35.60	41.50	47.30	52.90	58.10	60.00	62.70	64.80	66.60
60.0			35.50	42.00	48.40	54.70	60.80	63.10	66.40	68.90	71.30
65.0				42.10	49.20	56.20	63.10	65.70	69.60	72.70	75.60

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	15.0
10.0	64.63	65.59	66.08	65.86	64.68	62.30					
15.0	64.89	66.45	67.65	68.23	67.96	66.59	63.86				
20.0	65.23	67.40	69.31	70.70	71.34	70.97	69.36	68.31	66.25		
25.0	65.58	68.36	70.98	73.18	74.73	75.38	74.88	74.30	72.98	71.44	69.45
30.0	65.84	69.25	72.58	75.60	78.07	79.73	80.35	80.24	79.67	78.77	77.45
35.0	65.96	69.98	74.04	77.88	81.27	83.95	85.69	86.06	86.23	85.98	85.33
40.0	65.85	70.49	75.28	79.95	84.26	87.97	90.83	91.68	92.59	92.99	93.02
45.0	65.42	70.70	76.22	81.72	86.96	91.69	95.68	97.02	98.68	99.73	100.44
50.0	64.62	70.53	76.78	83.11	89.29	95.06	100.18	102.00	104.41	106.11	107.50
55.0		69.91	76.89	84.06	91.18	97.99	104.25	106.54	109.71	112.07	114.14
60.0			76.48	84.49	92.55	100.40	107.80	110.58	114.51	117.52	120.28
65.0				84.31	93.32	102.21	110.76	114.03	118.72	122.39	125.83

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	15.0
10.0	382.00	479.00	594.00	727.00	881.00	1056.00					
15.0	364.00	461.00	575.00	707.00	860.00	1035.00	1234.00				
20.0	344.00	441.00	555.00	687.00	839.00	1014.00	1212.00	1298.00	1436.00		
25.0	323.00	420.00	533.00	665.00	817.00	991.00	1189.00	1275.00	1412.00	1534.00	1663.00
30.0	301.00	397.00	510.00	641.00	793.00	967.00	1165.00	1251.00	1388.00	1510.00	1640.00
35.0	276.00	373.00	486.00	617.00	768.00	942.00	1140.00	1226.00	1364.00	1486.00	1616.00
40.0	251.00	347.00	460.00	591.00	742.00	916.00	1114.00	1201.00	1339.00	1461.00	1592.00
45.0	223.00	320.00	433.00	564.00	715.00	889.00	1088.00	1175.00	1313.00	1437.00	1568.00
50.0	193.00	291.00	404.00	535.00	687.00	862.00	1062.00	1149.00	1288.00	1413.00	1545.00
55.0		259.00	373.00	505.00	658.00	834.00	1035.00	1123.00	1264.00	1390.00	1523.00
60.0			340.00	474.00	628.00	805.00	1009.00	1098.00	1241.00	1368.00	1503.00
65.0				440.00	597.00	777.00	984.00	1075.00	1220.00	1350.00	1488.00

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)
Sound Pressure @ 1m, dBA	76
Sound Power, dBA	87
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1774
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	YY/Y	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	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00