



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 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
30.0	34.60	43.50	54.00	66.20	80.30	96.60	115.50	123.50	137.00	149.00
35.0	32.40	41.00	51.00	62.60	76.10	91.70	109.50	117.50	130.00	141.50
40.0	30.20	38.40	47.90	59.00	71.90	86.70	103.50	111.00	123.00	134.00
45.0		35.70	44.80	55.40	67.60	81.60	97.80	105.00	116.00	126.50
50.0		33.10	41.70	51.70	63.20	76.50	91.70	98.40	109.00	119.00
55.0			38.60	48.00	58.80	71.30	85.70	91.90	102.00	111.00
60.0			35.40	44.30	54.40	66.10	79.50	85.40	94.80	103.00
62.0				42.80	52.70	64.00	77.00	82.80	91.90	100.00

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	14.15	15.45	16.65	17.65	18.40	18.85	18.95	18.85	18.60	18.25
35.0	15.00	16.50	17.90	19.15	20.10	20.90	21.30	21.40	21.30	21.20
40.0	15.75	17.50	19.10	20.50	21.80	22.90	23.60	23.80	24.00	24.00
45.0		18.40	20.20	21.90	23.40	24.70	25.80	26.10	26.50	26.70
50.0		19.25	21.20	23.10	24.90	26.50	27.80	28.30	28.90	29.20
55.0			22.20	24.30	26.30	28.20	29.80	30.30	31.10	31.70
60.0			23.10	25.40	27.70	29.70	31.60	32.30	33.20	34.00
62.0				25.90	28.20	30.30	32.30	33.00	34.10	34.80

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
30.0	30.77	32.48	34.06	35.42	36.47	37.11	37.24	37.13	36.77	36.27
35.0	31.85	33.86	35.78	37.52	38.99	40.08	40.70	40.79	40.74	40.51
40.0	32.88	35.20	37.45	39.57	41.45	43.00	44.11	44.41	44.69	44.74
45.0		36.47	39.06	41.54	43.83	45.84	47.45	47.96	48.57	48.91
50.0		37.68	40.59	43.44	46.13	48.58	50.69	51.41	52.34	52.97
55.0			42.05	45.25	48.33	51.22	53.80	54.73	55.99	56.90
60.0			43.42	46.96	50.42	53.73	56.78	57.91	59.49	60.68
62.0				47.62	51.23	54.70	57.94	59.14	60.84	62.14

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
30.0	183.50	232.00	289.00	356.00	435.00	527.00	634.00	682.00	760.00	831.00
35.0	178.00	226.00	283.00	349.00	427.00	518.00	624.00	672.00	749.00	819.00
40.0	172.00	220.00	276.00	341.00	418.00	509.00	614.00	661.00	737.00	807.00
45.0		213.00	268.00	333.00	409.00	498.00	603.00	649.00	724.00	793.00
50.0		205.00	260.00	324.00	400.00	488.00	590.00	636.00	711.00	778.00
55.0			252.00	315.00	389.00	476.00	577.00	623.00	696.00	763.00
60.0			243.00	305.00	378.00	464.00	563.00	608.00	680.00	746.00
62.0				301.00	374.00	458.00	558.00	602.00	674.00	739.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, m <sup>3</sup> /h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	760/580
Height, mm	490
Net Weight, kg	246
Gross Weight, kg	262
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
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	381 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	63.5
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

**ACCESSORIES OPTIONAL**

Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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