



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 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
30.0			71.80	89.10	109.50	132.50	159.50	171.50	190.00	207.00
35.0			67.60	84.20	103.50	125.50	151.50	162.50	180.50	196.50
40.0			63.50	79.30	97.60	119.00	143.00	153.50	170.50	186.00
45.0				74.40	91.80	112.00	135.00	145.00	161.00	175.50
50.0				69.60	86.00	105.00	126.50	136.00	151.50	165.00
55.0				64.90	80.30	98.10	118.50	127.50	141.50	154.50
60.0				60.30	74.70	91.30	110.50	118.50	132.00	
62.0				58.50	72.50	88.60	107.00	115.50		

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0			23.60	25.00	26.00	26.50	26.60	26.40	26.10	25.50
35.0			25.30	27.00	28.40	29.40	29.90	30.00	29.90	29.60
40.0			26.90	28.90	30.70	32.10	33.10	33.30	33.60	33.60
45.0				30.80	32.90	34.70	36.10	36.60	37.10	37.40
50.0				32.60	35.00	37.20	39.10	39.70	40.50	41.10
55.0				34.30	37.10	39.70	42.00	42.80	43.90	44.60
60.0				36.10	39.20	42.10	44.80	45.70	47.10	
62.0				36.80	40.00	43.00	45.80	46.90		

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			53.59	55.16	56.38	57.11	57.21	57.03	56.52	55.84
35.0			55.50	57.58	59.35	60.68	61.43	61.53	61.44	61.13
40.0			57.48	60.05	62.38	64.32	65.72	66.09	66.43	66.49
45.0				62.56	65.45	67.99	70.04	70.70	71.47	71.90
50.0				65.08	68.52	71.67	74.38	75.31	76.51	77.32
55.0				67.57	71.56	75.32	78.69	79.90	81.54	82.72
60.0				70.00	74.56	78.93	82.96	84.45	86.52	
62.0				70.95	75.73	80.35	84.65	86.25		

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			384.00	480.00	592.00	724.00	877.00	945.00	1055.00	1154.00
35.0			375.00	469.00	580.00	710.00	862.00	929.00	1038.00	1137.00
40.0			365.00	459.00	568.00	697.00	847.00	913.00	1021.00	1118.00
45.0				448.00	556.00	683.00	831.00	897.00	1003.00	1100.00
50.0				437.00	544.00	669.00	815.00	880.00	985.00	1081.00
55.0				426.00	531.00	654.00	798.00	863.00	967.00	1061.00
60.0				416.00	519.00	640.00	782.00	845.00	948.00	
62.0				411.00	514.00	634.00	776.00	839.00		

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	8
Displacement @ 50 Hz, m <sup>3</sup> /h	151
Bore/Stroke, mm	68.3/59.3
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	330
Gross Weight, kg	351
Suction, inch	2 5/8
Discharge, inch	1 5/8
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	88.2
Locked Rotor Current, A	458
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

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

**ACCESSORIES OPTIONAL**

Additional Cooling	70 W Vertical Air Flow Fan
Unloaded start	Available
Capacity Control	Capacity Steps 75/50%
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Crankcase Heater	200 W Internal
Check Valve	For unloaded start operation

**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