



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW		
	40.0-	35.0-	30.0-
30.0	4.69	5.90	7.35
35.0	4.58	5.73	7.12
40.0	4.49	5.59	6.91
45.0	4.44	5.48	6.72
50.0	4.40	5.39	6.56
55.0	4.40	5.33	6.43

Cond °C	Power, kW		
	40.0-	35.0-	30.0-
30.0	3.82	4.24	4.67
35.0	4.04	4.48	4.96
40.0	4.27	4.74	5.26
45.0	4.53	5.03	5.58
50.0	4.83	5.36	5.94
55.0	5.17	5.72	6.33

Cond °C	Current at 400 V, A		
	40.0-	35.0-	30.0-
30.0	10.31	10.96	11.65
35.0	10.64	11.34	12.10
40.0	11.01	11.76	12.59
45.0	11.42	12.23	13.12
50.0	11.90	12.75	13.70
55.0	12.45	13.34	14.34

Cond °C	Mass Flow, g/s		
	40.0-	35.0-	30.0-
30.0	24.70	31.10	38.90
35.0	25.00	31.30	39.00
40.0	25.40	31.70	39.30
45.0	26.10	32.30	39.70
50.0	27.00	33.10	40.40
55.0	28.20	34.20	41.40

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 50 Hz, m <sup>3</sup> /h	25.3
Bore/Stroke, mm	60.3/50.8
Length/Width, mm	655/385
Height, mm	540
Net Weight, kg	163
Gross Weight, kg	176
Suction, inch	1 3/8
Discharge, inch	7/8
Oil Quantity, l	3.6
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	381 x 305 (18.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	16.8
Locked Rotor Current, A	78
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Liquid Subcooler	Plate Heat Exchanger

**ACCESSORIES OPTIONAL**

Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3

**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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	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
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00