



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				
	50.0-	45.0-	40.0-	35.0-	30.0-
30.0	2.82	3.79	4.96	6.37	8.06
35.0	2.70	3.63	4.77	6.14	7.78
40.0	2.58	3.49	4.59	5.92	7.50
45.0	2.47	3.35	4.41	5.70	7.23
50.0	2.37	3.21	4.24	5.48	6.96
55.0	2.27	3.09	4.08	5.27	6.69

Cond °C	Power, kW				
	50.0-	45.0-	40.0-	35.0-	30.0-
30.0	3.05	3.56	4.12	4.72	5.37
35.0	3.27	3.82	4.41	5.06	5.77
40.0	3.51	4.09	4.73	5.42	6.18
45.0	3.77	4.38	5.06	5.80	6.61
50.0	4.05	4.70	5.42	6.21	7.07
55.0	4.36	5.04	5.80	6.64	7.55

Cond °C	Current at 400 V, A				
	50.0-	45.0-	40.0-	35.0-	30.0-
30.0	8.46	9.36	10.36	11.45	12.64
35.0	8.86	9.82	10.90	12.08	13.36
40.0	9.28	10.31	11.46	12.73	14.11
45.0	9.75	10.84	12.07	13.43	14.91
50.0	10.25	11.42	12.72	14.17	15.75
55.0	10.80	12.04	13.42	14.96	16.65

Cond °C	Mass Flow, g/s				
	50.0-	45.0-	40.0-	35.0-	30.0-
30.0	14.85	19.90	26.10	33.60	42.70
35.0	14.70	19.80	26.00	33.60	42.60
40.0	14.55	19.70	25.90	33.50	42.60
45.0	14.50	19.65	25.90	33.50	42.70
50.0	14.45	19.65	26.00	33.60	42.80
55.0	14.50	19.70	26.10	33.80	43.10

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 50 Hz, m <sup>3</sup> /h	33
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	655/385
Height, mm	540
Net Weight, kg	174
Gross Weight, kg	187
Suction, inch	1 3/8
Discharge, inch	7/8
Oil Quantity, l	2.9
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	22.2
Locked Rotor Current, A	96
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

**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	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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
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
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	YY/Y	Y	2.19
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00