



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	3.78	4.92	6.31	7.98
35.0	3.67	4.77	6.11	7.73
40.0	3.57	4.63	5.92	7.47
45.0	3.47	4.48	5.72	7.21
50.0	3.35	4.32	5.50	6.93
55.0	3.21	4.14	5.26	6.62

Cond °C	Power, kW			
	50.0-	45.0-	40.0-	35.0-
30.0	3.87	4.39	4.97	5.59
35.0	4.04	4.61	5.24	5.92
40.0	4.22	4.83	5.51	6.26
45.0	4.40	5.06	5.80	6.61
50.0	4.58	5.29	6.09	6.97
55.0	4.76	5.52	6.38	7.33

Cond °C	Current at 400 V, A			
	50.0-	45.0-	40.0-	35.0-
30.0	9.28	10.20	11.21	12.30
35.0	9.58	10.57	11.68	12.89
40.0	9.89	10.97	12.17	13.50
45.0	10.21	11.37	12.67	14.12
50.0	10.53	11.78	13.19	14.76
55.0	10.84	12.18	13.70	15.40

Cond °C	Mass Flow, g/s			
	50.0-	45.0-	40.0-	35.0-
30.0	19.85	25.90	33.20	42.10
35.0	19.95	26.00	33.30	42.20
40.0	20.10	26.10	33.50	42.30
45.0	20.30	26.30	33.60	42.40
50.0	20.40	26.40	33.70	42.50
55.0	20.50	26.40	33.70	42.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m ³ /h	33
Bore/Stroke, mm	61.9/63.5
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	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	17.7
Locked Rotor Current, A	96
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

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