



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	2.82	3.79	4.96	6.37
35.0	2.70	3.63	4.77	6.14
40.0	2.58	3.49	4.59	5.92
45.0	2.47	3.35	4.41	5.69
50.0	2.37	3.21	4.24	5.48
55.0	2.27	3.09	4.07	5.27

Cond °C	Power, kW			
	50.0-	45.0-	40.0-	35.0-
30.0	3.05	3.56	4.12	4.72
35.0	3.27	3.82	4.41	5.06
40.0	3.51	4.09	4.73	5.42
45.0	3.77	4.38	5.06	5.80
50.0	4.06	4.70	5.42	6.21
55.0	4.36	5.04	5.80	6.64

Cond °C	Current at 400 V, A			
	50.0-	45.0-	40.0-	35.0-
30.0	7.88	8.75	9.72	10.77
35.0	8.26	9.20	10.23	11.37
40.0	8.67	9.67	10.78	12.01
45.0	9.12	10.18	11.37	12.68
50.0	9.61	10.74	12.00	13.40
55.0	10.14	11.34	12.68	14.16

Cond °C	Mass Flow, g/s			
	50.0-	45.0-	40.0-	35.0-
30.0	14.85	19.90	26.10	33.60
35.0	14.70	19.80	26.00	33.60
40.0	14.55	19.70	25.90	33.50
45.0	14.45	19.60	25.90	33.50
50.0	14.45	19.65	26.00	33.60
55.0	14.50	19.70	26.10	33.80

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

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

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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