



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	3.65	4.80	6.20	7.89	9.92
35.0	3.60	4.71	6.06	7.69	9.63
40.0	3.55	4.61	5.91	7.48	9.35
45.0	3.47	4.50	5.74	7.24	9.04
50.0	3.36	4.34	5.53	6.96	8.68
55.0	3.18	4.11	5.24	6.61	8.24

Cond °C	Power, kW				
	50.0-	45.0-	40.0-	35.0-	30.0-
30.0	3.81	4.33	4.90	5.50	6.15
35.0	4.11	4.66	5.27	5.92	6.61
40.0	4.44	5.02	5.65	6.35	7.10
45.0	4.77	5.38	6.06	6.79	7.59
50.0	5.10	5.74	6.46	7.24	8.09
55.0	5.40	6.08	6.83	7.67	8.58

Cond °C	Current at 400 V, A				
	50.0-	45.0-	40.0-	35.0-	30.0-
30.0	9.81	10.75	11.77	12.88	14.06
35.0	10.35	11.35	12.45	13.64	14.91
40.0	10.94	11.99	13.16	14.43	15.80
45.0	11.54	12.66	13.89	15.25	16.72
50.0	12.15	13.32	14.63	16.07	17.65
55.0	12.69	13.93	15.32	16.86	18.54

Cond °C	Mass Flow, g/s				
	50.0-	45.0-	40.0-	35.0-	30.0-
30.0	19.15	25.20	32.70	41.70	52.50
35.0	19.55	25.60	33.00	42.00	52.80
40.0	20.00	26.00	33.40	42.40	53.10
45.0	20.30	26.40	33.70	42.70	53.40
50.0	20.50	26.50	33.90	42.70	53.40
55.0	20.30	26.20	33.50	42.40	53.00

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	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
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

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