



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-	25.0-	20.0-
25.0	6.48	8.52	11.00	14.05	17.65	21.90	26.90
30.0	6.17	8.14	10.55	13.40	16.85	21.00	25.80
35.0	5.87	7.75	10.05	12.80	16.10	20.00	24.60
40.0	5.58	7.38	9.57	12.20	15.35	19.10	23.50
45.0	5.30	7.02	9.10	11.60	14.60	18.15	22.30
50.0		6.67	8.64	11.00	13.85	17.25	21.20
55.0		6.34	8.20	10.45	13.15	16.30	20.00

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	6.00	6.64	7.30	7.98	8.64	9.28	9.88
30.0	6.22	6.92	7.66	8.42	9.18	9.94	10.65
35.0	6.45	7.21	8.02	8.86	9.73	10.60	11.45
40.0	6.68	7.50	8.38	9.31	10.25	11.25	12.25
45.0	6.93	7.81	8.75	9.76	10.80	11.90	13.05
50.0		8.13	9.14	10.25	11.40	12.60	13.85
55.0		8.47	9.54	10.70	11.95	13.25	14.65

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	12.61	13.42	14.28	15.19	16.12	17.03	17.90
30.0	12.89	13.78	14.76	15.81	16.89	17.99	19.07
35.0	13.17	14.16	15.25	16.43	17.68	18.97	20.27
40.0	13.47	14.55	15.75	17.07	18.48	19.96	21.49
45.0	13.79	14.96	16.28	17.73	19.30	20.98	22.73
50.0		15.40	16.83	18.41	20.15	22.02	24.01
55.0		15.87	17.41	19.13	21.03	23.10	25.33

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	32.90	43.40	56.20	71.70	90.30	112.50	139.00
30.0	32.40	42.80	55.50	70.90	89.30	111.50	137.50
35.0	31.90	42.20	54.80	70.00	88.30	110.00	136.00
40.0	31.40	41.60	54.10	69.20	87.30	109.00	134.50
45.0	31.10	41.10	53.50	68.40	86.30	107.50	133.00
50.0		40.70	52.90	67.70	85.40	106.50	131.50
55.0		40.50	52.50	67.00	84.50	105.50	130.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	56
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	755/585
Height, mm	575
Net Weight, kg	219
Gross Weight, kg	249
Suction, inch	1 5/8
Discharge, inch	1 3/8
Oil Quantity, l	3.3
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	30.1
Locked Rotor Current, A	174
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Enclosure Class	IP 56
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