



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								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	7.81	10.00	12.95	16.50	20.60	25.10	30.00	35.10	40.30
35.0	7.62	9.74	12.55	15.95	19.90	24.30	29.00	33.90	38.80
40.0	7.44	9.46	12.15	15.45	19.25	23.40	28.00	32.60	37.30
45.0	7.26	9.18	11.75	14.90	18.55	22.60	26.90	31.30	35.80
50.0	7.08	8.90	11.35	14.35	17.85	21.70	25.80	30.00	34.20
55.0	6.90	8.61	10.95	13.80	17.10	20.80	24.70	28.70	

Cond °C	Power, kW								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	8.67	9.73	11.00	12.35	13.85	15.30	16.75	18.00	19.10
35.0	9.07	10.20	11.50	13.00	14.55	16.15	17.70	19.15	20.40
40.0	9.49	10.70	12.05	13.65	15.30	17.00	18.70	20.30	21.70
45.0	9.93	11.20	12.65	14.30	16.05	17.90	19.75	21.50	23.10
50.0	10.40	11.75	13.30	15.00	16.90	18.85	20.80	22.70	24.50
55.0	10.90	12.35	13.95	15.80	17.75	19.85	21.90	24.00	

Cond °C	Current at 400 V, A								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	20.92	22.09	23.57	25.31	27.23	29.22	31.17	32.98	34.54
35.0	21.33	22.60	24.20	26.07	28.15	30.33	32.51	34.57	36.41
40.0	21.76	23.14	24.86	26.88	29.13	31.51	33.91	36.23	38.36
45.0	22.23	23.73	25.57	27.74	30.16	32.75	35.38	37.97	40.39
50.0	22.74	24.38	26.36	28.68	31.28	34.07	36.95	39.81	42.53
55.0	23.31	25.11	27.23	29.71	32.49	35.50	38.63	41.76	

Cond °C	Mass Flow, g/s								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	34.10	45.00	59.90	78.70	101.50	128.50	159.00	193.00	230.00
35.0	33.70	44.40	58.90	77.30	99.60	126.00	155.50	189.00	225.00
40.0	33.30	43.70	57.80	75.70	97.50	123.00	152.00	184.50	219.00
45.0	32.90	42.90	56.60	74.00	95.20	120.00	148.50	179.50	213.00
50.0	32.50	42.10	55.30	72.20	92.80	117.00	144.00	174.50	207.00
55.0	32.10	41.20	53.90	70.30	90.10	113.50	140.00	169.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	84.7
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	755/585
Height, mm	630
Net Weight, kg	247
Gross Weight, kg	277
Suction, inch	1 5/8
Discharge, inch	1 3/8
Oil Quantity, l	6.8
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	3922
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	44.6
Locked Rotor Current, A	197
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Liquid Subcooler	Plate Heat Exchanger
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Crankcase Heater	100 W Internal
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
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	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