



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	5.18	6.91	9.24	12.20	15.80	20.00	25.00	30.60	36.80
35.0	4.83	6.45	8.64	11.40	14.80	18.80	23.40	28.70	34.50
40.0	4.48	5.99	8.04	10.65	13.80	17.55	21.90	26.80	32.20
45.0	4.12	5.53	7.44	9.87	12.80	16.30	20.30	24.90	30.00
50.0	3.76	5.07	6.85	9.10	11.85	15.10	18.80	23.00	27.70
55.0	3.39	4.60	6.25	8.35	10.90	13.90	17.35	21.20	25.50

Cond °C	Power, kW								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	7.50	8.49	9.69	11.05	12.55	14.20	15.90	17.70	19.50
35.0	7.75	8.76	10.00	11.45	13.05	14.85	16.70	18.65	20.60
40.0	7.99	9.03	10.30	11.85	13.55	15.45	17.45	19.60	21.80
45.0	8.22	9.29	10.65	12.25	14.05	16.05	18.25	20.60	23.00
50.0	8.45	9.54	10.95	12.60	14.55	16.70	19.00	21.50	24.10
55.0	8.67	9.79	11.25	13.00	15.00	17.30	19.75	22.40	25.20

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	19.62	20.75	22.17	23.84	25.75	27.86	30.16	32.63	35.23
35.0	19.90	21.06	22.55	24.33	26.39	28.70	31.24	33.99	36.93
40.0	20.19	21.37	22.92	24.82	27.03	29.54	32.33	35.37	38.64
45.0	20.46	21.67	23.29	25.30	27.68	30.39	33.43	36.76	40.37
50.0	20.73	21.97	23.66	25.79	28.33	31.25	34.53	38.16	42.11
55.0	20.98	22.25	24.02	26.27	28.97	32.10	35.64	39.57	43.85

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	34.30	45.80	61.40	81.20	105.50	134.50	168.00	207.00	251.00
35.0	33.70	45.10	60.60	80.20	104.50	133.00	166.50	205.00	248.00
40.0	33.20	44.50	59.80	79.30	103.50	132.00	165.00	203.00	246.00
45.0	32.60	43.80	59.10	78.60	102.50	131.00	164.00	202.00	245.00
50.0	32.00	43.20	58.50	78.00	102.00	130.50	163.50	202.00	245.00
55.0	31.40	42.70	58.10	77.90	102.00	131.00	164.00	202.00	246.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	84.7
Bore/Stroke, mm	74.6/55.5
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	40.2
Locked Rotor Current, A	203
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
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

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