



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW								
	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	11.00	14.15	18.00	22.60	28.10	34.40	41.60	49.80	53.40
25.0	10.10	13.10	16.75	21.10	26.10	32.00	38.80	46.50	49.90
30.0	9.22	12.05	15.45	19.50	24.20	29.70	36.00	43.20	46.30
35.0	8.32	10.95	14.15	17.90	22.30	27.40	33.20	39.90	42.80
40.0	7.42	9.88	12.80	16.25	20.30	25.00	30.40	36.50	39.20
45.0	6.51	8.80	11.50	14.65	18.30	22.60	27.50	33.10	35.60
50.0	5.60	7.70	10.15	13.00	16.35	20.20	24.60	29.70	31.90
55.0		6.60	8.80	11.35	14.30	17.75	21.70	26.30	28.30

Cond °C	Power, kW								
	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	4.78	5.32	5.81	6.21	6.48	6.61	6.54	6.25	6.06
25.0	4.89	5.52	6.11	6.62	7.03	7.30	7.39	7.28	7.17
30.0	4.98	5.68	6.37	6.99	7.52	7.93	8.18	8.24	8.20
35.0	5.03	5.81	6.58	7.31	7.96	8.51	8.90	9.12	9.16
40.0	5.04	5.89	6.75	7.57	8.34	9.01	9.55	9.93	10.05
45.0	5.01	5.92	6.85	7.77	8.65	9.44	10.10	10.65	10.80
50.0	4.92	5.89	6.90	7.91	8.88	9.79	10.60	11.30	11.50
55.0		5.80	6.87	7.96	9.04	10.05	11.00	11.80	12.10

Cond °C	Current at 380 V, A								
	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	11.45	12.12	12.75	13.30	13.71	13.93	13.91	13.58	13.35
25.0	11.13	11.86	12.58	13.24	13.78	14.15	14.30	14.17	14.02
30.0	11.19	11.99	12.81	13.60	14.28	14.82	15.15	15.22	15.16
35.0	11.44	12.33	13.26	14.18	15.02	15.73	16.25	16.54	16.58
40.0	11.69	12.68	13.74	14.80	15.80	16.70	17.43	17.95	18.09
45.0	11.75	12.86	14.05	15.26	16.44	17.53	18.49	19.25	19.49
50.0	11.43	12.66	14.00	15.38	16.74	18.05	19.23	20.25	20.59
55.0		11.91	13.40	14.96	16.52	18.05	19.48	20.76	21.21

Cond °C	Mass Flow, g/s								
	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	67.10	86.80	111.00	140.50	175.50	217.00	265.00	322.00	347.00
25.0	64.70	84.20	108.00	137.00	171.50	212.00	260.00	316.00	341.00
30.0	62.00	81.40	105.00	133.50	167.50	207.00	254.00	309.00	334.00
35.0	59.20	78.40	101.50	129.50	163.00	202.00	248.00	303.00	327.00
40.0	56.00	75.00	97.90	125.50	158.00	196.50	242.00	296.00	320.00
45.0	52.50	71.40	93.90	120.50	152.50	190.50	235.00	288.00	312.00
50.0	48.70	67.30	89.50	115.50	147.00	184.00	228.00	280.00	304.00
55.0		62.90	84.60	110.50	141.00	177.00	220.00	272.00	295.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 60 Hz, m <sup>3</sup> /h	38.9
Bore/Stroke, mm	55.6/50.8
Length/Width, mm	655/370
Height, mm	480
Net Weight, kg	159
Gross Weight, kg	174
Suction, inch	1 3/8
Discharge, inch	1 1/8
Oil Quantity, l	3.7
Frequency Range, Hz	25 - 60
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~ / 60 Hz)**

Maximum Operating Current, A	22.2
Locked Rotor Current, A	97
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

**ACCESSORIES OPTIONAL**

Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Emerson Industrial Automation, Unidrive M200 05 400 270

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.44
EWL	380-420 V / 3~ / 50 Hz	400		Y	0.83
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	0.83
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.44
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	0.83
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	Y	0.63
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	0.63
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	1.75
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	0.83
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.00
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	0.83