



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return + fan
- 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-
20.0	0.44	0.65	0.91	1.22	1.58	2.01	2.51
25.0	0.38	0.58	0.82	1.10	1.45	1.86	2.33
30.0	0.32	0.50	0.73	1.00	1.32	1.70	2.14
35.0		0.43	0.64	0.89	1.19	1.54	1.96
40.0		0.35	0.55	0.78	1.06	1.38	1.76
45.0		0.29	0.46	0.68	0.93	1.23	1.58
50.0			0.38	0.57	0.80	1.08	1.40
55.0			0.30	0.47	0.68	0.92	1.21

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.62	0.65	0.69	0.72	0.75	0.78	0.79
25.0	0.57	0.62	0.67	0.72	0.77	0.81	0.85
30.0	0.51	0.58	0.65	0.72	0.78	0.84	0.90
35.0		0.54	0.62	0.71	0.79	0.87	0.95
40.0		0.49	0.59	0.69	0.80	0.89	0.99
45.0		0.44	0.56	0.67	0.79	0.91	1.02
50.0			0.52	0.65	0.79	0.92	1.05
55.0			0.47	0.62	0.77	0.92	1.08

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	1.36	1.37	1.39	1.43	1.47	1.51	1.56
25.0	1.29	1.33	1.38	1.44	1.50	1.57	1.63
30.0	1.20	1.28	1.36	1.45	1.53	1.61	1.69
35.0		1.21	1.32	1.44	1.55	1.65	1.75
40.0		1.12	1.28	1.42	1.56	1.69	1.81
45.0		1.02	1.21	1.39	1.56	1.72	1.86
50.0			1.13	1.34	1.55	1.74	1.90
55.0			1.02	1.28	1.52	1.74	1.94

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	2.68	3.95	5.50	7.39	9.65	12.35	15.50
25.0	2.40	3.65	5.19	7.05	9.28	11.95	15.05
30.0	2.09	3.33	4.85	6.69	8.88	11.50	14.55
35.0		3.00	4.49	6.29	8.45	11.00	14.05
40.0		2.64	4.10	5.86	7.98	10.50	13.50
45.0		2.27	3.70	5.41	7.48	9.96	12.90
50.0			3.27	4.94	6.96	9.38	12.30
55.0			2.84	4.45	6.41	8.78	11.65

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	5.13
Bore/Stroke, mm	39.7/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	5/8
Discharge, inch	1/2
Oil Quantity, l	0.65
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	208 x 162 (11.0)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
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	2.4
Locked Rotor Current, A	12.2
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
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ACCESSORIES OPTIONAL

Additional Cooling	1 or 2 ways water Coil
Additional Cooling	25 W Horizontal Air Flow Fan
Additional Cooling	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Emerson Industrial Automation, Unidrive M200 02 400 041

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20