



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	0.63	0.88	1.18	1.56	2.00	2.51	3.11
25.0	0.55	0.79	1.08	1.43	1.85	2.34	2.91
30.0	0.47	0.70	0.98	1.30	1.70	2.16	2.70
35.0	0.39	0.60	0.86	1.18	1.54	1.98	2.49
40.0	0.30	0.51	0.75	1.04	1.38	1.79	2.27
45.0	0.22	0.41	0.63	0.90	1.22	1.60	2.04
50.0		0.31	0.52	0.76	1.06	1.40	
55.0			0.40	0.62	0.89	1.20	

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.69	0.76	0.82	0.88	0.94	0.99	1.03
25.0	0.67	0.75	0.83	0.91	0.98	1.05	1.11
30.0	0.65	0.74	0.83	0.92	1.02	1.10	1.18
35.0	0.62	0.72	0.83	0.93	1.04	1.15	1.26
40.0	0.58	0.70	0.81	0.94	1.06	1.19	1.32
45.0	0.53	0.66	0.79	0.93	1.08	1.23	1.38
50.0		0.61	0.76	0.92	1.08	1.26	
55.0			0.72	0.90	1.08	1.28	

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	1.77	1.84	1.91	1.99	2.06	2.12	2.17
25.0	1.79	1.86	1.95	2.03	2.12	2.20	2.28
30.0	1.78	1.86	1.96	2.06	2.17	2.28	2.38
35.0	1.75	1.85	1.96	2.08	2.21	2.34	2.48
40.0	1.70	1.81	1.94	2.08	2.24	2.40	2.56
45.0	1.62	1.75	1.90	2.07	2.25	2.45	2.65
50.0		1.67	1.85	2.04	2.26	2.49	
55.0			1.78	2.00	2.25	2.52	

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	3.80	5.32	7.18	9.44	12.15	15.40	19.20
25.0	3.49	5.01	6.87	9.12	11.80	15.05	18.80
30.0	3.13	4.65	6.51	8.75	11.45	14.60	18.40
35.0	2.72	4.24	6.09	8.31	10.95	14.15	17.90
40.0	2.26	3.78	5.61	7.81	10.45	13.60	17.35
45.0	1.74	3.24	5.06	7.24	9.86	13.00	16.70
50.0		2.64	4.43	6.59	9.18	12.30	
55.0			3.71	5.84	8.41	11.50	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	6.33
Bore/Stroke, mm	39.7/29.4
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	40
Gross Weight, kg	42
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	50
Sound Power, dBA	61
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	3
Locked Rotor Current, A	15.5
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 03 400 056

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