



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-	15.0-	10.0-	5.0-
25.0	0.50	0.73	1.02	1.36	1.80	2.31	2.92	3.64	4.47	5.43
30.0	0.43	0.65	0.92	1.26	1.66	2.15	2.74	3.42	4.22	5.13
35.0	0.37	0.58	0.83	1.15	1.54	2.00	2.55	3.20	3.96	4.84
40.0	0.30	0.50	0.75	1.04	1.41	1.85	2.37	2.99	3.71	4.55
45.0		0.43	0.66	0.94	1.28	1.70	2.19	2.78	3.47	
50.0		0.35	0.57	0.84	1.16	1.55	2.02	2.57		
55.0			0.48	0.74	1.04	1.40	1.85	2.37		

Cond °C	Power, kW									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	0.55	0.66	0.75	0.84	0.93	1.02	1.10	1.18	1.26	1.34
30.0	0.54	0.66	0.77	0.88	0.98	1.08	1.17	1.26	1.36	1.45
35.0	0.52	0.66	0.78	0.90	1.02	1.13	1.24	1.34	1.44	1.56
40.0	0.49	0.64	0.78	0.92	1.05	1.18	1.30	1.42	1.53	1.65
45.0		0.62	0.78	0.93	1.08	1.21	1.34	1.48	1.61	
50.0		0.59	0.77	0.93	1.09	1.24	1.39	1.54		
55.0			0.74	0.93	1.10	1.27	1.43	1.59		

Cond °C	Current at 400 V, A									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	1.82	1.89	1.98	2.07	2.18	2.27	2.37	2.45	2.51	2.55
30.0	1.81	1.89	1.99	2.09	2.21	2.33	2.44	2.55	2.64	2.71
35.0	1.80	1.88	1.99	2.11	2.24	2.38	2.52	2.65	2.77	2.87
40.0	1.78	1.88	1.99	2.12	2.27	2.43	2.58	2.74	2.89	3.02
45.0		1.86	1.99	2.13	2.29	2.47	2.64	2.82	3.00	
50.0		1.85	1.98	2.13	2.31	2.50	2.70	2.90		
55.0			1.96	2.13	2.32	2.53	2.75	2.97		

Cond °C	Mass Flow, g/s									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	2.51	3.69	5.16	6.98	9.19	11.85	15.05	18.85	23.30	28.40
30.0	2.26	3.42	4.86	6.64	8.81	11.45	14.60	18.30	22.70	27.80
35.0	2.00	3.14	4.55	6.29	8.42	11.00	14.10	17.75	22.10	27.10
40.0	1.70	2.83	4.22	5.92	8.01	10.55	13.60	17.20	21.50	26.50
45.0		2.50	3.87	5.54	7.58	10.05	13.05	16.65	20.90	
50.0		2.15	3.49	5.14	7.14	9.58	12.55	16.05		
55.0			3.10	4.71	6.68	9.08	12.00	15.50		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	7.38
Bore/Stroke, mm	47.6/23.8
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)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	3.4
Locked Rotor Current, A	19.1
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
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
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