



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return + fan
- █ Maximum Evaporating Temperature

Suction Superheat 10.0K

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	1.78	2.30	2.93	3.66					
25.0	1.64	2.14	2.73	3.42	4.24				
30.0	1.50	1.98	2.53	3.19	3.97	4.88	5.28	5.92	6.50
35.0	1.37	1.81	2.34	2.97	3.70	4.57	4.95	5.57	6.12
40.0	1.24	1.66	2.15	2.74	3.44	4.26	4.62	5.21	5.73
45.0	1.11	1.50	1.96	2.52	3.18	3.95	4.29	4.85	5.35
50.0	0.98	1.35	1.78	2.30	2.91	3.64	3.96	4.48	4.96
55.0	0.86	1.20	1.61	2.09	2.66	3.33	3.63	4.12	4.56
60.0	0.74	1.06	1.44	1.88	2.40	3.03	3.30	3.76	
62.0	0.70	1.01	1.38	1.80	2.30	2.90	3.17	3.61	

Cond °C	Power, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	0.72	0.76	0.79	0.80					
25.0	0.76	0.81	0.86	0.89	0.90				
30.0	0.79	0.86	0.92	0.97	1.01	1.02	1.02	1.02	1.01
35.0	0.82	0.90	0.98	1.05	1.10	1.14	1.15	1.16	1.16
40.0	0.84	0.94	1.04	1.12	1.20	1.26	1.28	1.30	1.31
45.0	0.87	0.98	1.09	1.20	1.28	1.36	1.39	1.42	1.45
50.0	0.89	1.02	1.14	1.26	1.37	1.46	1.50	1.54	1.58
55.0	0.91	1.04	1.18	1.32	1.44	1.56	1.60	1.66	1.70
60.0	0.92	1.07	1.22	1.36	1.50	1.64	1.69	1.76	
62.0	0.93	1.08	1.23	1.38	1.53	1.67	1.72	1.80	

Cond °C	Current at 400 V, A								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	2.07	2.10	2.12	2.13					
25.0	2.10	2.15	2.19	2.22	2.23				
30.0	2.13	2.20	2.26	2.31	2.35	2.37	2.37	2.36	2.35
35.0	2.16	2.24	2.32	2.40	2.46	2.50	2.51	2.52	2.52
40.0	2.18	2.28	2.38	2.48	2.56	2.63	2.65	2.68	2.69
45.0	2.20	2.32	2.44	2.56	2.66	2.75	2.78	2.83	2.85
50.0	2.22	2.36	2.49	2.63	2.75	2.87	2.91	2.97	3.01
55.0	2.24	2.39	2.54	2.69	2.84	2.98	3.03	3.11	3.16
60.0	2.26	2.41	2.58	2.75	2.92	3.09	3.15	3.24	
62.0	2.26	2.42	2.60	2.77	2.95	3.13	3.19	3.29	

Cond °C	Mass Flow, g/s								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	10.70	13.55	16.90	20.70					
25.0	10.30	13.15	16.40	20.20	24.60				
30.0	9.89	12.70	15.95	19.70	24.00	29.00	31.10	34.50	37.60
35.0	9.46	12.25	15.45	19.15	23.50	28.40	30.50	33.90	36.90
40.0	9.02	11.75	14.95	18.60	22.90	27.70	29.80	33.20	36.20
45.0	8.55	11.25	14.40	18.05	22.20	27.00	29.10	32.50	35.50
50.0	8.06	10.80	13.90	17.45	21.60	26.30	28.40	31.70	34.70
55.0	7.55	10.25	13.35	16.85	20.90	25.60	27.60	30.90	33.80
60.0	7.02	9.75	12.80	16.20	20.20	24.70	26.70	30.00	
62.0	6.80	9.54	12.55	15.95	19.90	24.40	26.40	29.60	

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)
Sound Pressure @ 1m, dBA	47
Sound Power, dBA	58
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1430
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