



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	0.43	0.64	0.89	1.20	1.56	2.01	2.54	3.16	3.90	4.75
30.0	0.37	0.57	0.81	1.10	1.44	1.86	2.37	2.96	3.66	4.47
35.0	0.31	0.50	0.73	1.01	1.34	1.73	2.20	2.77	3.43	4.20
40.0	0.25	0.44	0.66	0.91	1.23	1.60	2.04	2.58	3.21	3.94
45.0		0.38	0.58	0.83	1.12	1.47	1.89	2.40	2.99	3.69
50.0		0.32	0.52	0.74	1.02	1.35	1.74	2.22	2.78	3.44
55.0		0.26	0.45	0.67	0.93	1.24	1.61	2.05	2.58	3.21

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	0.48	0.58	0.66	0.75	0.82	0.89	0.95	1.01	1.06	1.10
30.0	0.46	0.57	0.66	0.76	0.84	0.93	1.01	1.08	1.15	1.22
35.0	0.44	0.55	0.66	0.76	0.86	0.96	1.06	1.14	1.24	1.32
40.0	0.41	0.53	0.65	0.77	0.88	0.99	1.10	1.21	1.32	1.42
45.0		0.51	0.64	0.77	0.89	1.02	1.14	1.27	1.40	1.52
50.0		0.49	0.63	0.77	0.91	1.04	1.18	1.33	1.47	1.62
55.0		0.47	0.62	0.77	0.92	1.07	1.23	1.38	1.54	1.71

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	1.55	1.61	1.69	1.77	1.85	1.94	2.01	2.08	2.13	2.17
30.0	1.53	1.60	1.69	1.78	1.88	1.98	2.08	2.17	2.25	2.31
35.0	1.51	1.59	1.69	1.79	1.90	2.02	2.14	2.25	2.35	2.45
40.0	1.49	1.58	1.68	1.80	1.92	2.06	2.19	2.33	2.46	2.58
45.0		1.56	1.67	1.80	1.94	2.09	2.24	2.40	2.55	2.70
50.0		1.55	1.66	1.80	1.95	2.12	2.29	2.47	2.65	2.82
55.0		1.53	1.65	1.80	1.96	2.14	2.33	2.53	2.73	2.94

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	2.19	3.26	4.55	6.11	8.01	10.30	13.10	16.40	20.30	24.90
30.0	1.95	3.01	4.27	5.80	7.66	9.91	12.60	15.85	19.70	24.20
35.0	1.70	2.75	3.99	5.49	7.31	9.51	12.15	15.35	19.10	23.60
40.0	1.43	2.48	3.71	5.18	6.96	9.11	11.70	14.85	18.55	23.00
45.0		2.21	3.43	4.87	6.61	8.72	11.25	14.35	18.00	22.30
50.0		1.94	3.15	4.57	6.28	8.34	10.85	13.85	17.45	21.80
55.0		1.68	2.89	4.29	5.97	7.99	10.45	13.40	16.95	21.20

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)
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
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