



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	1.41	2.20	3.18	4.35	5.76	7.41	9.33
25.0	1.12	1.88	2.81	3.93	5.26	6.82	8.65
30.0	0.83	1.56	2.44	3.50	4.75	6.23	7.95
35.0		1.24	2.07	3.06	4.24	5.63	7.25
40.0		0.93	1.70	2.63	3.73	5.02	6.53
45.0			1.34	2.20	3.21	4.41	5.81
50.0			1.00	1.78	2.70	3.80	5.09
55.0				1.37	2.21	3.20	4.37

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	1.20	1.48	1.76	2.03	2.29	2.54	2.77
25.0	1.13	1.43	1.74	2.05	2.35	2.65	2.93
30.0	1.03	1.36	1.70	2.05	2.39	2.74	3.07
35.0		1.27	1.64	2.03	2.42	2.81	3.19
40.0		1.14	1.56	1.98	2.42	2.85	3.29
45.0			1.45	1.92	2.39	2.88	3.37
50.0			1.31	1.82	2.34	2.88	3.42
55.0				1.70	2.26	2.85	3.45

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	3.39	3.73	4.07	4.42	4.75	5.08	5.38
25.0	3.33	3.67	4.04	4.42	4.82	5.21	5.61
30.0	3.27	3.61	3.99	4.41	4.86	5.33	5.82
35.0		3.53	3.93	4.38	4.88	5.43	6.01
40.0		3.43	3.84	4.33	4.88	5.50	6.16
45.0			3.73	4.25	4.85	5.54	6.29
50.0			3.59	4.14	4.79	5.54	6.37
55.0				3.99	4.69	5.50	6.42

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	8.49	13.30	19.25	26.50	35.10	45.40	57.50
25.0	7.07	11.90	17.85	25.00	33.60	43.90	55.90
30.0	5.53	10.40	16.30	23.40	32.00	42.10	54.10
35.0		8.71	14.60	21.70	30.20	40.20	52.10
40.0		6.93	12.75	19.75	28.10	38.10	49.90
45.0			10.75	17.65	25.90	35.80	47.50
50.0			8.58	15.35	23.50	33.20	44.90
55.0				12.90	20.90	30.50	42.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	18.2
Bore/Stroke, mm	60.4/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	85
Gross Weight, kg	91
Suction, inch	1 1/8
Discharge, inch	5/8
Oil Quantity, l	2
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	295 x 279 (14.0)
Sound Pressure @ 1m, dBA	52
Sound Power, dBA	63
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	7.3
Locked Rotor Current, A	53
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	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Emerson Industrial Automation, Unidrive M200 04 400 135

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