



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return with add cooling
- █ Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.81	1.36	2.01	2.78	3.71	4.80	6.07
25.0	0.60	1.12	1.74	2.47	3.34	4.36	5.56
30.0		0.89	1.47	2.16	2.97	3.92	5.04
35.0		0.68	1.22	1.85	2.60	3.49	4.53
40.0			0.97	1.56	2.25	3.06	4.02
45.0			0.75	1.28	1.90	2.65	3.52
50.0				1.02	1.58	2.25	3.04
55.0				0.78	1.28	1.87	2.57

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	0.73	0.93	1.14	1.34	1.54	1.74	1.93
25.0	0.70	0.92	1.14	1.37	1.59	1.81	2.03
30.0		0.90	1.14	1.38	1.62	1.86	2.11
35.0		0.87	1.13	1.38	1.65	1.91	2.17
40.0			1.10	1.38	1.66	1.94	2.22
45.0			1.08	1.36	1.66	1.96	2.26
50.0				1.34	1.66	1.97	2.29
55.0				1.31	1.64	1.97	2.31

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	2.22	2.56	2.84	3.07	3.28	3.49	3.72
25.0	2.16	2.51	2.80	3.06	3.31	3.57	3.86
30.0		2.47	2.77	3.05	3.33	3.63	3.98
35.0		2.44	2.75	3.04	3.35	3.68	4.08
40.0			2.73	3.03	3.35	3.72	4.16
45.0			2.72	3.02	3.36	3.75	4.22
50.0				3.01	3.35	3.76	4.26
55.0				3.00	3.34	3.76	4.28

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	4.94	8.26	12.25	17.05	22.80	29.70	37.80
25.0	3.86	7.16	11.15	15.90	21.50	28.30	36.30
30.0		6.01	9.92	14.60	20.20	26.80	34.60
35.0		4.82	8.66	13.25	18.70	25.20	32.90
40.0			7.36	11.85	17.15	23.50	31.10
45.0			6.03	10.35	15.55	21.70	29.10
50.0				8.90	13.90	19.90	27.10
55.0				7.44	12.25	18.10	25.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	12.9
Bore/Stroke, mm	50.8/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	80
Gross Weight, kg	86
Suction, inch	7/8
Discharge, inch	5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2
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)
Sound Pressure @ 1m, dBA	51
Sound Power, dBA	62
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	5.5
Locked Rotor Current, A	37.6
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

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