



Minimum Evaporating Temp. With:

- █ 20 °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					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	2.03	2.79	3.73	4.88	6.25	7.87
15.0	1.85	2.58	3.48	4.58	5.90	7.45
20.0	1.67	2.36	3.22	4.27	5.54	7.03
25.0	1.49	2.15	2.97	3.97	5.17	6.60
30.0	1.32	1.94	2.71	3.66	4.80	6.17
35.0	1.14	1.72	2.45	3.35	4.43	5.73
40.0	0.98	1.52	2.20	3.04	4.06	5.29
45.0	0.83	1.32	1.96	2.73	3.69	
50.0	0.69	1.14	1.71	2.43	3.33	
55.0	0.56	0.96	1.48	2.14	2.96	

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.23	1.36	1.48	1.59	1.68	1.73
15.0	1.24	1.40	1.54	1.68	1.80	1.90
20.0	1.25	1.42	1.59	1.76	1.91	2.05
25.0	1.25	1.44	1.63	1.82	2.01	2.18
30.0	1.24	1.44	1.66	1.88	2.10	2.31
35.0	1.22	1.44	1.68	1.92	2.17	2.42
40.0	1.20	1.43	1.68	1.96	2.24	2.52
45.0	1.16	1.41	1.68	1.98	2.29	
50.0	1.12	1.38	1.68	1.99	2.32	
55.0	1.08	1.34	1.66	1.99	2.35	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	3.94	4.02	4.11	4.19	4.26	4.31
15.0	3.94	4.04	4.15	4.26	4.37	4.46
20.0	3.95	4.05	4.19	4.33	4.48	4.61
25.0	3.95	4.07	4.22	4.39	4.57	4.75
30.0	3.94	4.07	4.24	4.44	4.66	4.88
35.0	3.94	4.07	4.26	4.48	4.73	4.99
40.0	3.92	4.07	4.27	4.52	4.80	5.10
45.0	3.90	4.05	4.27	4.54	4.85	
50.0	3.88	4.03	4.26	4.56	4.90	
55.0	3.84	4.00	4.24	4.56	4.93	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	9.36	12.90	17.30	22.70	29.10	36.90
15.0	8.82	12.30	16.70	22.00	28.50	36.20
20.0	8.25	11.70	16.05	21.30	27.70	35.40
25.0	7.66	11.05	15.35	20.60	26.90	34.60
30.0	7.05	10.40	14.60	19.75	26.10	33.70
35.0	6.42	9.69	13.80	18.90	25.20	32.70
40.0	5.78	8.96	13.00	18.00	24.20	31.70
45.0	5.13	8.21	12.15	17.05	23.20	
50.0	4.48	7.44	11.25	16.05	22.10	
55.0	3.85	6.67	10.35	15.05	21.00	

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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1397
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