



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	-5.0	0.0	5.0	7.0	10.0
10.0	1.60	2.12	2.80	3.64	4.68	5.93	7.42					
15.0	1.44	1.96	2.62	3.43	4.43	5.62	7.04	8.71				
20.0	1.27	1.78	2.42	3.20	4.15	5.29	6.64	8.23	10.05	12.20		
25.0	1.08	1.58	2.20	2.95	3.86	4.94	6.23	7.73	9.48	11.50	12.40	13.80
30.0	0.89	1.38	1.98	2.69	3.55	4.58	5.79	7.22	8.87	10.80	11.60	12.95
35.0	0.70	1.18	1.74	2.42	3.23	4.20	5.34	6.68	8.25	10.05	10.85	12.10
40.0	0.49	0.96	1.50	2.14	2.91	3.81	4.88	6.14	7.61	9.30		
45.0	0.29	0.74	1.26	1.86	2.57	3.42	4.42	5.59				
50.0	0.10	0.52	1.01	1.58	2.24	3.02	3.94	5.03				
55.0		0.31	0.77	1.29	1.90	2.62	3.46					

Cond °C	Power, kW											
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	0.80	0.91	1.01	1.09	1.15	1.18	1.18					
15.0	0.80	0.92	1.03	1.14	1.23	1.29	1.32	1.32				
20.0	0.78	0.92	1.06	1.18	1.29	1.38	1.45	1.48	1.48	1.44		
25.0	0.76	0.91	1.06	1.21	1.34	1.46	1.56	1.64	1.68	1.68	1.68	1.64
30.0	0.73	0.89	1.06	1.23	1.39	1.54	1.68	1.78	1.86	1.91	1.92	1.92
35.0	0.68	0.86	1.05	1.24	1.42	1.60	1.77	1.92	2.03	2.12	2.15	2.18
40.0	0.63	0.82	1.02	1.24	1.45	1.66	1.85	2.03	2.19	2.32		
45.0	0.56	0.77	0.99	1.22	1.46	1.69	1.92	2.13				
50.0	0.48	0.70	0.94	1.19	1.45	1.71	1.97	2.22				
55.0		0.62	0.87	1.14	1.42	1.72	2.01					

Cond °C	Current at 400 V, A											
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	2.76	2.86	2.96	3.05	3.12	3.17	3.17					
15.0	2.76	2.87	2.99	3.10	3.20	3.28	3.32	3.32				
20.0	2.75	2.88	3.01	3.15	3.27	3.38	3.46	3.51	3.51	3.45		
25.0	2.74	2.87	3.02	3.18	3.34	3.48	3.60	3.70	3.75	3.75	3.74	3.69
30.0	2.71	2.86	3.02	3.21	3.39	3.57	3.73	3.87	3.98	4.04	4.05	4.05
35.0	2.67	2.83	3.01	3.22	3.43	3.65	3.85	4.04	4.20	4.32	4.36	4.40
40.0	2.61	2.78	2.99	3.21	3.46	3.71	3.96	4.20	4.41	4.59		
45.0	2.53	2.72	2.94	3.19	3.47	3.76	4.05	4.33				
50.0	2.43	2.63	2.87	3.15	3.46	3.79	4.12	4.45				
55.0		2.52	2.78	3.09	3.43	3.79	4.17					

Cond °C	Suction Mass Flow, g/s											
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	7.35	9.80	12.95	16.95	21.80	27.80	35.00					
15.0	6.86	9.36	12.55	16.50	21.40	27.30	34.40	42.80				
20.0	6.27	8.82	12.00	15.95	20.80	26.60	33.70	42.00	51.80	63.40		
25.0	5.58	8.18	11.40	15.30	20.10	25.90	32.80	41.10	50.80	62.30	67.40	75.70
30.0	4.78	7.43	10.65	14.55	19.30	25.00	31.80	40.00	49.60	61.00	66.10	74.30
35.0	3.89	6.58	9.81	13.70	18.35	24.00	30.70	38.80	48.30	59.50	64.60	72.80
40.0	2.90	5.64	8.86	12.70	17.30	22.90	29.50	37.40	46.80	57.90		
45.0	1.81	4.59	7.81	11.60	16.15	21.60	28.10	35.90				
50.0	0.62	3.43	6.65	10.40	14.85	20.20	26.60	34.20				
55.0		2.17	5.38	9.08	13.45	18.65	24.90					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	9.86
Bore/Stroke, mm	44.5/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	78
Gross Weight, kg	84
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	5.7
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