



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	1.05	1.40	1.84	2.37	3.01	3.77	4.65					
15.0	0.97	1.30	1.71	2.22	2.83	3.55	4.40	5.39				
20.0	0.88	1.20	1.58	2.07	2.64	3.33	4.14	5.09	6.17	7.41		
25.0	0.80	1.10	1.46	1.92	2.46	3.12	3.89	4.78	5.82	7.01	7.53	8.36
30.0	0.72	1.00	1.34	1.76	2.28	2.90	3.63	4.48	5.47	6.60	7.10	7.89
35.0	0.64	0.90	1.22	1.62	2.10	2.68	3.37	4.18	5.12	6.20	6.67	7.43
40.0	0.57	0.80	1.10	1.46	1.92	2.46	3.11	3.87	4.76	5.79		
45.0	0.49	0.71	0.98	1.32	1.74	2.24	2.85	3.57				
50.0	0.42	0.62	0.86	1.17	1.56	2.03	2.59	3.26				
55.0	0.36	0.53	0.75	1.03	1.38	1.81	2.33					

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	0.64	0.69	0.75	0.81	0.86	0.89	0.90					
15.0	0.65	0.72	0.78	0.86	0.92	0.97	1.00	1.01				
20.0	0.66	0.73	0.81	0.90	0.98	1.04	1.10	1.12	1.12	1.08		
25.0	0.67	0.75	0.84	0.93	1.03	1.12	1.18	1.24	1.26	1.25	1.23	1.19
30.0	0.67	0.76	0.86	0.97	1.08	1.18	1.28	1.34	1.39	1.40	1.40	1.38
35.0	0.67	0.76	0.87	1.00	1.12	1.25	1.36	1.45	1.52	1.56	1.57	1.57
40.0	0.66	0.76	0.88	1.02	1.16	1.30	1.43	1.55	1.64	1.72		
45.0	0.64	0.75	0.88	1.03	1.19	1.34	1.50	1.64				
50.0	0.61	0.73	0.88	1.04	1.21	1.39	1.56	1.72				
55.0	0.58	0.71	0.86	1.03	1.23	1.42	1.62					

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	1.95	1.99	2.04	2.09	2.14	2.17	2.18					
15.0	1.96	2.01	2.06	2.13	2.19	2.25	2.28	2.27				
20.0	1.97	2.02	2.09	2.17	2.25	2.32	2.37	2.40	2.39	2.34		
25.0	1.98	2.03	2.11	2.20	2.30	2.39	2.47	2.53	2.55	2.54	2.51	2.47
30.0	1.98	2.04	2.13	2.24	2.35	2.47	2.57	2.66	2.72	2.74	2.73	2.71
35.0	1.98	2.05	2.14	2.26	2.40	2.54	2.67	2.78	2.88	2.93	2.95	2.95
40.0	1.97	2.04	2.15	2.29	2.44	2.60	2.76	2.91	3.03	3.13		
45.0	1.96	2.04	2.15	2.30	2.48	2.66	2.85	3.03				
50.0	1.93	2.02	2.15	2.31	2.51	2.71	2.93	3.14				
55.0	1.90	1.99	2.14	2.32	2.53	2.76	3.00					

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	4.84	6.46	8.49	11.00	14.00	17.65	21.90					
15.0	4.62	6.20	8.20	10.65	13.65	17.25	21.50	26.50				
20.0	4.38	5.93	7.89	10.30	13.25	16.80	21.00	26.00	31.80	38.50		
25.0	4.13	5.65	7.56	9.93	12.85	16.30	20.50	25.40	31.20	38.00	41.00	45.80
30.0	3.87	5.35	7.22	9.54	12.40	15.80	19.95	24.80	30.60	37.30	40.40	45.20
35.0	3.61	5.04	6.86	9.12	11.90	15.30	19.35	24.20	30.00	36.70	39.70	44.60
40.0	3.33	4.72	6.48	8.69	11.40	14.75	18.75	23.60	29.30	36.00		
45.0	3.05	4.38	6.08	8.22	10.90	14.15	18.15	22.90				
50.0	2.76	4.03	5.66	7.74	10.35	13.55	17.45	22.20				
55.0	2.46	3.67	5.23	7.22	9.74	12.90	16.75					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	6.33
Bore/Stroke, mm	40.0/29.4
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	40
Gross Weight, kg	42
Suction, inch	5/8
Discharge, inch	1/2
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	0.65
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)
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	3.4
Locked Rotor Current, A	19.1
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

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