



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	1.46	1.92	2.53	3.32	4.28	5.44	6.82					
15.0	1.34	1.78	2.37	3.11	4.03	5.14	6.44	7.96				
20.0	1.22	1.64	2.20	2.91	3.79	4.83	6.07	7.51	9.17	11.05		
25.0	1.10	1.51	2.04	2.71	3.54	4.53	5.70	7.06	8.63	10.40	11.20	12.45
30.0	0.99	1.38	1.88	2.51	3.29	4.22	5.32	6.61	8.08	9.77	10.50	11.70
35.0	0.88	1.25	1.72	2.32	3.05	3.92	4.95	6.15	7.54	9.13	9.82	10.95
40.0	0.77	1.12	1.57	2.12	2.80	3.61	4.58	5.70	7.00	8.48		
45.0	0.67	1.00	1.42	1.93	2.56	3.31	4.20	5.24				
50.0	0.58	0.88	1.27	1.74	2.32	3.01	3.83	4.79				
55.0	0.48	0.77	1.12	1.56	2.08	2.71	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	0.88	0.97	1.06	1.13	1.19	1.22					
15.0	0.82	0.91	1.02	1.13	1.23	1.32	1.37	1.38				
20.0	0.83	0.94	1.06	1.19	1.32	1.43	1.52	1.56	1.58	1.52		
25.0	0.83	0.95	1.10	1.25	1.40	1.54	1.65	1.74	1.78	1.77	1.75	1.70
30.0	0.82	0.96	1.12	1.30	1.47	1.64	1.78	1.90	1.98	2.01	2.01	1.98
35.0	0.82	0.97	1.15	1.34	1.54	1.73	1.91	2.06	2.18	2.25	2.26	2.26
40.0	0.80	0.97	1.17	1.38	1.60	1.82	2.03	2.22	2.37	2.48		
45.0	0.79	0.97	1.18	1.42	1.66	1.92	2.15	2.37				
50.0	0.77	0.97	1.20	1.46	1.72	2.00	2.27	2.52				
55.0	0.76	0.97	1.22	1.50	1.78	2.09	2.38					

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	2.18	2.24	2.33	2.42	2.51	2.57	2.60					
15.0	2.20	2.27	2.38	2.50	2.61	2.71	2.78	2.79				
20.0	2.21	2.30	2.42	2.56	2.71	2.85	2.95	3.02	3.02	2.95		
25.0	2.21	2.32	2.46	2.63	2.80	2.98	3.13	3.24	3.30	3.28	3.26	3.19
30.0	2.21	2.33	2.49	2.68	2.89	3.10	3.30	3.46	3.57	3.62	3.61	3.59
35.0	2.20	2.33	2.52	2.74	2.98	3.23	3.46	3.67	3.84	3.95	3.97	3.98
40.0	2.19	2.34	2.54	2.79	3.06	3.35	3.63	3.89	4.11	4.28		
45.0	2.17	2.34	2.56	2.84	3.15	3.47	3.80	4.11				
50.0	2.15	2.33	2.58	2.89	3.23	3.60	3.97	4.33				
55.0	2.13	2.33	2.60	2.94	3.31	3.72	4.14					

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	6.74	8.86	11.75	15.40	19.95	25.50	32.10					
15.0	6.39	8.51	11.35	15.00	19.50	24.90	31.50	39.10				
20.0	6.03	8.15	10.95	14.55	18.95	24.30	30.80	38.30	47.20	57.50		
25.0	5.67	7.78	10.55	14.10	18.45	23.70	30.00	37.50	46.20	56.40	60.90	68.20
30.0	5.30	7.40	10.15	13.60	17.90	23.10	29.30	36.60	45.20	55.30	59.70	67.00
35.0	4.92	7.01	9.70	13.10	17.30	22.40	28.50	35.70	44.20	54.10	58.50	65.70
40.0	4.54	6.61	9.26	12.60	16.70	21.70	27.60	34.70	43.00	52.80		
45.0	4.15	6.20	8.81	12.05	16.05	20.90	26.70	33.70				
50.0	3.76	5.79	8.34	11.50	15.40	20.10	25.80	32.60				
55.0	3.36	5.38	7.87	10.95	14.70	19.30	24.80					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	9.10
Bore/Stroke, mm	47.6/29.4
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	4.7
Locked Rotor Current, A	23.3
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