



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°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	12.5
30.0	0.60	0.82	1.10	1.46	1.88	2.39	2.98	3.67	4.46	5.35	5.75	6.37	6.92
35.0	0.53	0.74	1.02	1.34	1.74	2.22	2.78	3.43	4.18	5.03	5.40	6.00	6.53
40.0	0.46	0.67	0.92	1.24	1.61	2.06	2.59	3.20	3.91	4.72	5.07	5.63	6.13
45.0	0.40	0.59	0.83	1.12	1.48	1.90	2.40	2.97	3.64	4.41	4.74	5.27	5.75
50.0	0.33	0.52	0.74	1.02	1.35	1.74	2.21	2.75	3.38	4.10	4.41	4.92	5.37
55.0		0.44	0.66	0.91	1.23	1.59	2.03	2.54	3.12	3.80	4.10	4.57	4.99
60.0			0.57	0.81	1.10	1.44	1.85	2.32	2.87	3.50	3.78		
62.0			0.54	0.77	1.05	1.38	1.78	2.24	2.77	3.39	3.66		

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	12.5
30.0	0.53	0.60	0.67	0.74	0.80	0.86	0.90	0.94	0.95	0.94	0.93	0.91	0.88
35.0	0.52	0.60	0.68	0.76	0.84	0.91	0.97	1.02	1.05	1.06	1.06	1.04	1.03
40.0	0.52	0.60	0.69	0.78	0.87	0.95	1.03	1.10	1.14	1.17	1.18	1.18	1.18
45.0	0.51	0.60	0.70	0.80	0.90	0.99	1.08	1.16	1.23	1.28	1.29	1.30	1.31
50.0	0.50	0.60	0.70	0.81	0.92	1.02	1.13	1.23	1.30	1.37	1.40	1.42	1.44
55.0		0.59	0.70	0.82	0.94	1.06	1.17	1.28	1.38	1.46	1.49	1.53	1.56
60.0			0.70	0.82	0.95	1.08	1.20	1.33	1.44	1.54	1.58		
62.0			0.69	0.82	0.95	1.09	1.22	1.35	1.46	1.58	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	12.5
30.0	1.81	1.87	1.94	2.01	2.07	2.13	2.17	2.20	2.22	2.21	2.19	2.17	2.14
35.0	1.81	1.88	1.95	2.03	2.10	2.18	2.24	2.29	2.32	2.33	2.33	2.32	2.30
40.0	1.81	1.88	1.96	2.05	2.14	2.22	2.30	2.36	2.41	2.45	2.45	2.46	2.45
45.0	1.80	1.88	1.97	2.06	2.16	2.26	2.35	2.44	2.51	2.56	2.58	2.60	2.60
50.0	1.79	1.87	1.97	2.08	2.19	2.30	2.40	2.50	2.59	2.67	2.69	2.73	2.75
55.0		1.87	1.97	2.08	2.20	2.33	2.45	2.57	2.68	2.77	2.81	2.85	2.88
60.0			1.96	2.09	2.22	2.35	2.49	2.62	2.75	2.87	2.91		
62.0			1.96	2.09	2.22	2.36	2.50	2.65	2.78	2.91	2.95		

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	12.5
30.0	3.15	4.34	5.86	7.74	10.05	12.80	16.05	19.85	24.30	29.40	31.70	35.40	38.70
35.0	2.89	4.07	5.55	7.39	9.63	12.30	15.50	19.25	23.60	28.70	30.90	34.50	37.80
40.0	2.62	3.78	5.24	7.03	9.22	11.85	14.95	18.65	22.90	27.90	30.10	33.70	36.90
45.0	2.34	3.48	4.91	6.67	8.80	11.35	14.40	18.00	22.20	27.20	29.30	32.90	36.00
50.0	2.04	3.17	4.57	6.29	8.38	10.90	13.85	17.40	21.50	26.40	28.50	32.00	35.20
55.0		2.84	4.22	5.90	7.94	10.40	13.30	16.75	20.80	25.60	27.70	31.20	34.30
60.0			3.85	5.50	7.49	9.88	12.75	16.15	20.10	24.80	26.90		
62.0			3.70	5.33	7.30	9.67	12.50	15.85	19.85	24.50	26.60		

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	5.13
Bore/Stroke, mm	39.7/23.8
Length/Width, mm	355/235
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)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	3.3
Locked Rotor Current, A	20.4
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
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	7 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	27 W Internal

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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