



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
20.0	1.52	2.10	2.81	3.66	4.69	5.89	7.31	8.95	10.85	13.00	13.95	15.45	16.80
25.0	1.30	1.86	2.54	3.35	4.32	5.46	6.79	8.33	10.10	12.15	13.05	14.45	15.70
30.0	1.06	1.60	2.26	3.03	3.94	5.00	6.25	7.69	9.35	11.25	12.10	13.40	14.60
35.0	0.82	1.35	1.97	2.70	3.55	4.54	5.70	7.04	8.59	10.35	11.15	12.35	13.50
40.0	0.58	1.09	1.68	2.36	3.15	4.07	5.14	6.38	7.80	9.44	10.15	11.30	12.35
45.0		0.83	1.38	2.02	2.75	3.59	4.57	5.71	7.01	8.51	9.17	10.25	11.15
50.0		0.58	1.10	1.68	2.35	3.11	4.00	5.03	6.22	7.58	8.18	9.14	
55.0			0.82	1.34	1.94	2.64	3.43	4.35	5.41	6.64			

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
20.0	0.93	1.08	1.22	1.35	1.46	1.55	1.61	1.64	1.62	1.56	1.53	1.46	1.39
25.0	0.90	1.07	1.23	1.38	1.52	1.64	1.74	1.80	1.82	1.82	1.80	1.76	1.71
30.0	0.86	1.04	1.23	1.40	1.57	1.72	1.84	1.94	2.02	2.05	2.05	2.04	2.02
35.0	0.81	1.01	1.21	1.41	1.60	1.78	1.94	2.08	2.19	2.27	2.29	2.30	2.31
40.0	0.74	0.96	1.18	1.40	1.62	1.83	2.03	2.20	2.35	2.47	2.51	2.55	2.58
45.0		0.89	1.14	1.38	1.62	1.86	2.09	2.30	2.49	2.66	2.71	2.79	2.84
50.0		0.81	1.07	1.34	1.61	1.88	2.14	2.39	2.62	2.83	2.90	3.00	
55.0			0.99	1.28	1.58	1.88	2.17	2.46	2.73	2.97			

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
20.0	2.85	3.03	3.19	3.35	3.49	3.59	3.67	3.69	3.67	3.58	3.53	3.43	3.32
25.0	2.84	3.02	3.21	3.39	3.56	3.71	3.83	3.90	3.94	3.91	3.89	3.83	3.76
30.0	2.81	3.00	3.21	3.42	3.62	3.80	3.97	4.10	4.19	4.23	4.23	4.21	4.18
35.0	2.76	2.97	3.19	3.43	3.66	3.88	4.09	4.27	4.42	4.52	4.55	4.57	4.58
40.0	2.69	2.91	3.16	3.42	3.68	3.94	4.19	4.42	4.63	4.80	4.85	4.92	4.96
45.0		2.84	3.11	3.39	3.68	3.98	4.28	4.56	4.82	5.05	5.13	5.24	5.32
50.0		2.75	3.03	3.34	3.67	4.01	4.35	4.68	4.99	5.29	5.40	5.55	
55.0			2.94	3.28	3.64	4.01	4.39	4.78	5.15	5.51			

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
20.0	9.24	12.80	17.15	22.50	28.90	36.60	45.70	56.40	69.10	83.90	90.50	101.50	111.00
25.0	8.21	11.85	16.25	21.50	27.90	35.50	44.50	55.20	67.70	82.40	88.90	99.60	109.50
30.0	7.05	10.75	15.20	20.50	26.80	34.30	43.20	53.70	66.00	80.60	87.10	97.70	107.50
35.0	5.75	9.54	14.00	19.25	25.50	32.90	41.70	52.00	64.20	78.60	85.10	95.60	105.50
40.0	4.31	8.18	12.65	17.90	24.10	31.30	40.00	50.10	62.20	76.40	82.80	93.30	103.00
45.0		6.67	11.15	16.35	22.50	29.60	38.10	48.10	59.90	74.00	80.40	90.80	100.50
50.0		5.02	9.53	14.70	20.70	27.70	36.00	45.80	57.50	71.40	77.80	88.10	
55.0			7.72	12.85	18.70	25.60	33.70	43.40	54.90	68.70			

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /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)
Sound Pressure @ 1m, dBA	51
Sound Power, dBA	62
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
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
Adapter Kit	For Parallel Operation
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal
Additional Cooling	70 W Vertical Air Flow Fan
Oil Control System	ALCO Trax-Oil OM3

**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
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