



Minimum Evaporating Temp. With:

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

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	2.43	3.23	4.18	5.29					
25.0	2.17	2.93	3.83	4.88	6.12				
30.0	1.92	2.64	3.49	4.49	5.66	7.02	7.62	8.58	9.44
35.0	1.69	2.36	3.16	4.11	5.22	6.51	7.08	8.00	8.82
40.0	1.47	2.10	2.85	3.74	4.79	6.01	6.55	7.42	8.21
45.0	1.27	1.86	2.56	3.39	4.37	5.52	6.03	6.86	7.60
50.0	1.08	1.63	2.28	3.06	3.97	5.05	5.52	6.30	7.00
55.0	0.91	1.42	2.03	2.74	3.59	4.58	5.03	5.75	6.40
60.0	0.77	1.24	1.80	2.45	3.22	4.14	4.54	5.21	5.81
62.0	0.71	1.18	1.71	2.34	3.08	3.96	4.36	5.00	5.58

50 Hz LE-20 R134a

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	0.97	1.02	1.06	1.08					
25.0	0.98	1.06	1.12	1.16	1.18				
30.0	1.00	1.08	1.16	1.23	1.28	1.30	1.30	1.30	1.29
35.0	1.01	1.12	1.22	1.30	1.37	1.42	1.44	1.45	1.46
40.0	1.02	1.14	1.26	1.36	1.46	1.54	1.56	1.60	1.62
45.0	1.02	1.16	1.30	1.42	1.54	1.64	1.68	1.74	1.77
50.0	1.03	1.18	1.33	1.48	1.62	1.74	1.80	1.86	1.91
55.0	1.04	1.20	1.36	1.52	1.68	1.84	1.90	1.98	2.05
60.0	1.06	1.22	1.39	1.56	1.74	1.92	1.99	2.09	2.17
62.0	1.06	1.22	1.40	1.58	1.77	1.95	2.02	2.13	2.21

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	2.71	2.77	2.81	2.83					
25.0	2.73	2.81	2.87	2.92	2.94				
30.0	2.74	2.84	2.93	3.00	3.06	3.08	3.09	3.08	3.07
35.0	2.75	2.87	2.99	3.09	3.17	3.23	3.25	3.27	3.27
40.0	2.76	2.90	3.04	3.16	3.27	3.37	3.40	3.44	3.47
45.0	2.78	2.93	3.08	3.23	3.37	3.50	3.55	3.61	3.66
50.0	2.79	2.95	3.12	3.30	3.46	3.62	3.68	3.77	3.84
55.0	2.80	2.97	3.16	3.35	3.55	3.74	3.82	3.92	4.01
60.0	2.80	2.99	3.19	3.40	3.63	3.85	3.94	4.07	4.17
62.0	2.81	2.99	3.20	3.42	3.65	3.89	3.98	4.12	4.24

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	13.55	17.65	22.50	27.90					
25.0	12.60	16.65	21.40	26.80	33.00				
30.0	11.65	15.65	20.30	25.60	31.80	38.70	41.70	46.50	50.70
35.0	10.70	14.65	19.20	24.50	30.50	37.40	40.30	45.10	49.30
40.0	9.74	13.65	18.15	23.30	29.20	36.00	38.90	43.60	47.80
45.0	8.83	12.65	17.05	22.10	28.00	34.60	37.50	42.10	46.20
50.0	7.95	11.75	16.05	21.00	26.70	33.20	36.00	40.60	44.60
55.0	7.12	10.85	15.05	19.85	25.40	31.70	34.50	38.90	42.90
60.0	6.36	10.05	14.15	18.80	24.10	30.30	32.90	37.30	41.10
62.0	6.08	9.75	13.80	18.40	23.60	29.70	32.30	36.60	40.40

**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	1430
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**

<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