



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	3.25	4.26	5.46	6.88					
25.0	2.96	3.92	5.07	6.42	7.99				
30.0	2.67	3.59	4.68	5.96	7.47	9.22	9.99	11.25	12.35
35.0	2.39	3.26	4.29	5.52	6.95	8.63	9.37	10.55	11.65
40.0	2.11	2.94	3.92	5.07	6.44	8.03	8.74	9.88	10.90
45.0	1.84	2.62	3.55	4.64	5.93	7.44	8.12	9.20	10.15
50.0	1.58	2.32	3.19	4.22	5.43	6.86	7.49	8.52	9.45
55.0	1.34	2.03	2.84	3.80	4.94	6.28	6.87	7.84	8.71
60.0	1.10	1.76	2.51	3.40	4.46	5.70	6.26	7.16	
62.0	1.01	1.64	2.38	3.25	4.27	5.47	6.01	6.89	

50 Hz LF-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	1.08	1.16	1.23	1.26					
25.0	1.12	1.23	1.32	1.38	1.42				
30.0	1.16	1.30	1.41	1.50	1.57	1.60	1.60	1.60	1.58
35.0	1.20	1.36	1.49	1.61	1.70	1.76	1.78	1.79	1.79
40.0	1.23	1.40	1.56	1.70	1.82	1.92	1.94	1.98	1.99
45.0	1.26	1.44	1.62	1.79	1.94	2.05	2.09	2.14	2.17
50.0	1.28	1.48	1.68	1.86	2.03	2.17	2.23	2.29	2.34
55.0	1.28	1.50	1.71	1.92	2.11	2.28	2.34	2.43	2.49
60.0	1.28	1.51	1.74	1.96	2.17	2.37	2.44	2.54	
62.0	1.28	1.51	1.74	1.98	2.19	2.40	2.48	2.58	

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	2.65	2.72	2.78	2.82					
25.0	2.69	2.80	2.89	2.96	2.99				
30.0	2.73	2.86	2.98	3.08	3.16	3.19	3.19	3.18	3.16
35.0	2.77	2.92	3.07	3.20	3.31	3.38	3.40	3.41	3.41
40.0	2.80	2.98	3.15	3.31	3.45	3.55	3.59	3.62	3.64
45.0	2.82	3.02	3.21	3.40	3.57	3.72	3.76	3.82	3.86
50.0	2.84	3.05	3.27	3.48	3.68	3.86	3.92	4.01	4.07
55.0	2.85	3.08	3.31	3.55	3.78	3.99	4.07	4.17	4.25
60.0	2.85	3.09	3.34	3.60	3.86	4.10	4.19	4.32	
62.0	2.85	3.09	3.35	3.62	3.89	4.14	4.24	4.38	

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	18.10	23.30	29.40	36.30					
25.0	17.15	22.30	28.30	35.20	43.10				
30.0	16.15	21.30	27.20	34.10	41.90	50.80	54.70	60.80	66.30
35.0	15.10	20.20	26.10	32.90	40.60	49.50	53.30	59.50	64.90
40.0	14.00	19.05	24.90	31.60	39.30	48.10	51.90	58.10	63.50
45.0	12.85	17.90	23.70	30.30	37.90	46.60	50.40	56.50	61.90
50.0	11.65	16.70	22.40	29.00	36.50	45.10	48.90	54.90	60.20
55.0	10.45	15.45	21.10	27.60	35.00	43.50	47.20	53.10	58.40
60.0	9.15	14.15	19.75	26.10	33.40	41.70	45.40	51.20	
62.0	8.63	13.65	19.25	25.50	32.70	41.00	44.60	50.40	

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	12.9
Bore/Stroke, mm	50.8/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	80
Gross Weight, kg	86
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	5.5
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