



Minimum Evaporating Temp. With:

- █ 25 °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											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	1.58	2.24	3.06	4.05	5.23	6.62	8.24	10.10	12.25	14.65	17.40	18.60
25.0	1.34	1.98	2.75	3.68	4.78	6.08	7.60	9.35	11.35	13.65	16.20	17.30
30.0	1.12	1.72	2.45	3.32	4.35	5.56	6.97	8.61	10.50	12.60	15.05	16.10
35.0	0.91	1.48	2.16	2.96	3.92	5.04	6.36	7.88	9.62	11.60	13.85	14.85
40.0	0.71	1.24	1.87	2.62	3.50	4.54	5.75	7.15	8.77	10.60	12.70	13.65
45.0	0.51	1.01	1.59	2.28	3.09	4.04	5.15	6.44	7.93	9.64	11.60	12.45
50.0		0.78	1.32	1.94	2.69	3.55	4.56	5.74	7.10	8.67	10.45	11.25
55.0		0.55	1.04	1.62	2.28	3.07	3.98	5.04	6.28			

50 Hz

LF-30

R404A Dew Point

Cond °C	Power, kW											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	1.20	1.40	1.58	1.74	1.86	1.96	2.02	2.05	2.02	1.95	1.82	1.76
25.0	1.18	1.41	1.62	1.81	1.98	2.13	2.24	2.31	2.35	2.34	2.28	2.24
30.0	1.14	1.40	1.64	1.86	2.07	2.26	2.41	2.54	2.63	2.68	2.69	2.68
35.0	1.10	1.36	1.63	1.89	2.13	2.36	2.56	2.73	2.88	2.98	3.05	3.07
40.0	1.02	1.32	1.60	1.89	2.17	2.43	2.67	2.89	3.08	3.24	3.37	3.41
45.0	0.94	1.25	1.56	1.87	2.18	2.47	2.75	3.01	3.25	3.47	3.65	3.71
50.0		1.17	1.50	1.83	2.16	2.49	2.80	3.11	3.39	3.65	3.88	3.97
55.0		1.08	1.42	1.78	2.13	2.48	2.83	3.17	3.49			

Cond °C	Current at 400 V, A											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	4.07	4.22	4.36	4.46	4.54	4.58	4.59	4.56	4.49	4.37	4.21	4.13
25.0	4.02	4.20	4.36	4.50	4.62	4.71	4.78	4.82	4.82	4.79	4.72	4.68
30.0	3.98	4.17	4.36	4.54	4.70	4.85	4.97	5.07	5.15	5.20	5.22	5.21
35.0	3.94	4.15	4.36	4.57	4.78	4.97	5.15	5.32	5.46	5.59	5.69	5.73
40.0	3.89	4.12	4.36	4.60	4.84	5.08	5.31	5.54	5.76	5.96	6.15	6.22
45.0	3.83	4.08	4.33	4.60	4.88	5.16	5.45	5.74	6.02	6.30	6.57	6.67
50.0		4.01	4.29	4.59	4.90	5.22	5.56	5.90	6.25	6.60	6.95	7.09
55.0		3.92	4.22	4.54	4.88	5.25	5.63	6.03	6.44			

Cond °C	Suction Mass Flow, g/s											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	9.60	13.70	18.75	24.90	32.40	41.20	51.60	63.80	78.00	94.50	113.50	122.00
25.0	8.60	12.70	17.70	23.70	31.00	39.70	49.90	62.00	76.00	92.30	111.00	119.50
30.0	7.58	11.65	16.55	22.50	29.70	38.20	48.30	60.10	74.00	90.10	109.00	117.50
35.0	6.50	10.55	15.40	21.30	28.30	36.70	46.60	58.20	71.90	87.90	106.50	115.00
40.0	5.34	9.38	14.20	20.00	26.90	35.10	44.80	56.30	69.80	85.70	104.50	112.50
45.0	4.08	8.13	12.90	18.60	25.40	33.50	43.00	54.40	67.70	83.50	102.00	110.50
50.0		6.75	11.50	17.15	23.80	31.70	41.20	52.40	65.70	81.40	100.00	108.50
55.0		5.19	9.95	15.50	22.10	29.90	39.20	50.30	63.60			

**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	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	6.8
Locked Rotor Current, A	50.6
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