



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											
	-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	2.26	3.15	4.26	5.61	7.23	9.15	11.40	14.00	16.95	20.40	24.20	25.90
25.0	1.98	2.82	3.86	5.13	6.66	8.47	10.60	13.05	15.90	19.10	22.80	24.30
30.0	1.69	2.48	3.46	4.66	6.09	7.79	9.79	12.10	14.80	17.85	21.30	22.80
35.0	1.40	2.15	3.07	4.18	5.52	7.11	8.98	11.15	13.70	16.55	19.85	21.30
40.0	1.13	1.82	2.67	3.70	4.94	6.42	8.16	10.20	12.55	15.25	18.35	19.70
45.0	0.86	1.50	2.27	3.22	4.36	5.72	7.34	9.23	11.45	13.95	16.85	18.15
50.0		1.18	1.88	2.74	3.78	5.03	6.51	8.25	10.30	12.65	15.35	16.55
55.0		0.86	1.49	2.26	3.20	4.33	5.67	7.27	9.15			

50 Hz

LL-40X

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	1.64	1.88	2.14	2.39	2.63	2.87	3.08	3.27	3.43	3.56	3.64	3.66
25.0	1.60	1.86	2.13	2.41	2.67	2.93	3.17	3.38	3.57	3.72	3.83	3.86
30.0	1.56	1.85	2.15	2.45	2.75	3.04	3.31	3.56	3.77	3.96	4.10	4.15
35.0	1.50	1.83	2.17	2.51	2.84	3.17	3.48	3.77	4.03	4.26	4.45	4.51
40.0	1.40	1.78	2.16	2.55	2.93	3.31	3.67	4.01	4.32	4.60	4.84	4.92
45.0	1.24	1.67	2.11	2.55	2.99	3.42	3.84	4.24	4.61	4.95	5.25	5.36
50.0		1.48	1.98	2.49	3.00	3.50	3.98	4.45	4.89	5.30	5.67	5.81
55.0		1.20	1.78	2.36	2.94	3.51	4.07	4.62	5.13			

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	4.37	4.59	4.85	5.12	5.39	5.63	5.84	5.99	6.06	6.04	5.92	5.83
25.0	4.36	4.60	4.89	5.20	5.51	5.82	6.09	6.31	6.47	6.54	6.52	6.47
30.0	4.34	4.61	4.92	5.27	5.63	5.99	6.32	6.62	6.86	7.03	7.10	7.10
35.0	4.31	4.59	4.94	5.32	5.73	6.14	6.54	6.91	7.24	7.49	7.67	7.71
40.0	4.26	4.56	4.93	5.35	5.80	6.27	6.73	7.18	7.58	7.93	8.21	8.29
45.0	4.18	4.50	4.89	5.35	5.85	6.37	6.90	7.41	7.90	8.34	8.71	8.84
50.0		4.40	4.83	5.32	5.86	6.44	7.03	7.62	8.19	8.71	9.19	9.36
55.0		4.28	4.73	5.25	5.84	6.47	7.12	7.78	8.43			

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	13.70	19.10	25.90	34.20	44.30	56.40	70.70	87.40	107.00	130.00	156.00	168.00
25.0	12.50	17.90	24.60	32.80	42.80	54.80	68.90	85.60	105.00	128.00	154.50	166.00
30.0	11.25	16.60	23.20	31.30	41.20	53.00	67.10	83.70	103.00	126.00	152.50	164.50
35.0	9.90	15.20	21.70	29.70	39.40	51.10	65.10	81.60	101.00	124.00	150.50	162.50
40.0	8.43	13.65	20.10	27.90	37.50	49.00	62.90	79.30	98.80	121.50	148.50	160.50
45.0	6.83	11.95	18.25	26.00	35.40	46.80	60.50	76.90	96.30	119.50	146.50	159.00
50.0		10.10	16.25	23.80	33.10	44.30	57.90	74.20	93.80	117.00	144.50	157.00
55.0		8.01	14.05	21.40	30.50	41.60	55.10	71.50	91.20			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	18.2
Bore/Stroke, mm	60.4/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	87
Gross Weight, kg	93
Suction, inch	1 1/8
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	63.1
Sound Power, dBA	74.1
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	9.9
Locked Rotor Current, A	58.9
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

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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