



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												
	-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	2.09	2.80	3.65	4.67	5.88	7.29	8.93	10.80	12.95	13.90	15.45	16.75
25.0	1.28	1.85	2.53	3.34	4.30	5.44	6.77	8.31	10.10	12.10	13.00	14.40	15.70
30.0	1.04	1.60	2.25	3.01	3.92	4.99	6.23	7.67	9.32	11.20	12.05	13.40	14.55
35.0	0.80	1.34	1.96	2.68	3.53	4.52	5.68	7.01	8.55	10.30	11.10	12.35	13.45
40.0	0.57	1.08	1.66	2.34	3.13	4.05	5.11	6.35	7.77	9.40	10.10	11.25	12.30
45.0		0.82	1.37	2.00	2.73	3.57	4.54	5.67	6.97	8.47	9.12	10.20	11.10
50.0		0.57	1.08	1.66	2.32	3.09	3.97	4.99	6.17	7.53	8.13	9.08	
55.0			0.80	1.32	1.92	2.61	3.40	4.31	5.37	6.59			

50 Hz

LE-20

R404A Dew Point

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	9.27	12.85	17.25	22.60	29.10	36.80	46.00	56.90	69.60	84.60	91.30	102.50	112.00
25.0	8.23	11.90	16.35	21.70	28.10	35.80	44.80	55.60	68.20	83.10	89.70	100.50	110.50
30.0	7.05	10.80	15.25	20.60	27.00	34.50	43.50	54.10	66.60	81.30	87.90	98.70	108.50
35.0	5.73	9.56	14.05	19.35	25.70	33.10	42.00	52.40	64.80	79.30	85.90	96.60	106.50
40.0	4.27	8.17	12.70	18.00	24.20	31.50	40.20	50.50	62.70	77.10	83.60	94.30	104.00
45.0		6.64	11.20	16.45	22.60	29.80	38.30	48.40	60.40	74.70	81.20	91.70	101.50
50.0		4.98	9.51	14.70	20.80	27.80	36.20	46.10	58.00	72.10	78.50	89.00	
55.0			7.68	12.85	18.75	25.70	33.90	43.70	55.30	69.30			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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
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