



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return + fan
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

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
25.0	1.08	1.56	2.14	2.87	3.76	4.81	6.05	7.49	9.15	11.05	11.85	13.20	14.35
30.0	0.95	1.39	1.94	2.63	3.47	4.46	5.63	7.00	8.57	10.35	11.15	12.40	13.55
35.0	0.81	1.23	1.76	2.40	3.18	4.12	5.23	6.52	8.01	9.72	10.45	11.65	12.70
40.0	0.68	1.08	1.57	2.18	2.91	3.79	4.83	6.05	7.46	9.07	9.78	10.90	11.95
45.0	0.55	0.93	1.39	1.96	2.65	3.47	4.45	5.59	6.92	8.45	9.12	10.20	11.15
50.0	0.44	0.79	1.23	1.76	2.40	3.17	4.08	5.16	6.40	7.84	8.48	9.49	10.40
55.0			1.06	1.56	2.16	2.88	3.73	4.73	5.90	7.26	7.85		
60.0			0.91	1.38	1.93	2.60	3.39	4.33	5.42				
62.0			0.86	1.30	1.84	2.49	3.26	4.17	5.23				

50Hz

LE-20X

R22

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
25.0	0.99	1.12	1.26	1.39	1.50	1.60	1.67	1.71	1.71	1.66	1.63	1.56	1.50
30.0	0.97	1.12	1.27	1.42	1.56	1.69	1.79	1.86	1.90	1.90	1.88	1.84	1.80
35.0	0.94	1.10	1.28	1.44	1.61	1.76	1.90	2.00	2.08	2.11	2.11	2.10	2.08
40.0	0.91	1.09	1.28	1.46	1.65	1.83	1.99	2.13	2.24	2.31	2.33	2.34	2.34
45.0	0.88	1.06	1.27	1.48	1.68	1.88	2.07	2.24	2.39	2.50	2.53	2.57	2.59
50.0	0.84	1.04	1.26	1.48	1.70	1.93	2.15	2.34	2.52	2.67	2.71	2.78	2.81
55.0			1.24	1.48	1.72	1.97	2.21	2.44	2.64	2.82	2.89		
60.0			1.22	1.47	1.74	2.00	2.26	2.52	2.75				
62.0			1.21	1.46	1.74	2.01	2.28	2.54	2.79				

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
25.0	3.54	3.61	3.70	3.79	3.88	3.96	4.02	4.05	4.05	4.00	3.97	3.90	3.83
30.0	3.53	3.61	3.70	3.81	3.92	4.02	4.10	4.17	4.21	4.20	4.19	4.15	4.11
35.0	3.52	3.60	3.71	3.82	3.95	4.08	4.19	4.29	4.36	4.40	4.41	4.40	4.38
40.0	3.51	3.60	3.71	3.84	3.98	4.13	4.28	4.41	4.52	4.61	4.63	4.66	4.66
45.0	3.50	3.58	3.70	3.85	4.01	4.19	4.36	4.53	4.68	4.81	4.85	4.91	4.94
50.0	3.48	3.57	3.70	3.86	4.04	4.24	4.44	4.64	4.83	5.01	5.07	5.15	5.21
55.0			3.68	3.85	4.06	4.28	4.51	4.75	4.98	5.20	5.28		
60.0			3.65	3.84	4.06	4.31	4.57	4.84	5.11				
62.0			3.64	3.83	4.06	4.32	4.59	4.88	5.17				

Cond °C	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
25.0	5.54	7.94	11.00	14.75	19.35	24.90	31.50	39.20	48.20	58.70	63.30	70.80	77.50
30.0	4.99	7.33	10.30	14.00	18.45	23.90	30.30	37.90	46.70	57.00	61.60	68.90	75.60
35.0	4.43	6.72	9.61	13.20	17.55	22.80	29.10	36.50	45.20	55.40	59.90	67.10	73.70
40.0	3.85	6.10	8.92	12.40	16.65	21.80	27.90	35.20	43.70	53.70	58.10	65.30	71.80
45.0	3.26	5.47	8.22	11.60	15.75	20.80	26.80	33.90	42.30	52.10	56.50	63.50	69.90
50.0	2.66	4.84	7.53	10.85	14.90	19.75	25.60	32.60	40.80	50.50	54.80	61.80	68.10
55.0			6.84	10.05	14.00	18.75	24.50	31.30	39.40	48.90	53.20		
60.0			6.17	9.32	13.15	17.80	23.40	30.10	38.00				
62.0			5.90	9.03	12.85	17.40	23.00	29.60	37.50				

### **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
Oil Quantity, l	2
Frequency Range, Hz	25 - 60
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 (14.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
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
Inverter	Emerson Industrial Automation, Unidrive M200 03 400 073

**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