



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									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	0.63	1.01	1.52	2.17	2.99	3.98	5.17	6.57	8.18	10.05
30.0	0.52	0.88	1.35	1.96	2.74	3.68	4.81	6.14	7.68	9.46
35.0		0.75	1.19	1.77	2.50	3.39	4.46	5.72	7.19	8.89
40.0		0.63	1.04	1.58	2.26	3.10	4.11	5.31	6.71	8.32
45.0			0.89	1.39	2.03	2.82	3.77	4.90	6.23	
50.0			0.75	1.22	1.80	2.54	3.44	4.51		
55.0			0.61	1.04	1.59	2.28	3.12	4.13		

50Hz

LF-20X

R22

Cond °C	Power, kW									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	0.88	1.04	1.23	1.42	1.62	1.80	1.96	2.10	2.21	2.27
30.0	0.84	1.02	1.23	1.44	1.66	1.86	2.06	2.24	2.38	2.48
35.0		1.00	1.22	1.44	1.68	1.92	2.15	2.36	2.54	2.68
40.0		0.97	1.20	1.44	1.70	1.96	2.22	2.46	2.68	2.87
45.0			1.17	1.43	1.71	2.00	2.28	2.56	2.81	
50.0			1.14	1.42	1.71	2.02	2.33	2.64		
55.0			1.10	1.38	1.70	2.03	2.37	2.71		

Cond °C	Current at 400 V, A									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	3.35	3.45	3.59	3.74	3.90	4.06	4.21	4.35	4.45	4.51
30.0	3.34	3.44	3.58	3.75	3.93	4.12	4.30	4.48	4.63	4.76
35.0		3.43	3.57	3.75	3.95	4.17	4.39	4.61	4.81	4.99
40.0		3.42	3.56	3.75	3.97	4.21	4.47	4.72	4.98	5.21
45.0			3.54	3.74	3.98	4.24	4.53	4.83	5.13	
50.0			3.52	3.73	3.98	4.27	4.59	4.92		
55.0			3.49	3.70	3.97	4.28	4.63	5.00		

Cond °C	Mass Flow, g/s									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	3.19	5.11	7.71	11.10	15.30	20.50	26.70	34.00	42.60	52.50
30.0	2.76	4.60	7.11	10.40	14.50	19.55	25.60	32.90	41.30	51.20
35.0		4.08	6.50	9.67	13.70	18.60	24.60	31.70	40.10	49.80
40.0		3.55	5.87	8.94	12.85	17.65	23.50	30.50	38.80	48.50
45.0			5.24	8.20	12.00	16.70	22.40	29.30	37.50	
50.0			4.59	7.44	11.10	15.70	21.40	28.10		
55.0			3.92	6.67	10.25	14.70	20.20	26.90		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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
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	5.5
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
Inverter	Emerson Industrial Automation, Unidrive M200 03 400 094

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