



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-
20.0	0.82	1.36	2.02	2.79	3.72	4.81	6.09
25.0	0.61	1.13	1.75	2.48	3.35	4.37	5.58
30.0		0.90	1.48	2.17	2.98	3.94	5.06
35.0		0.69	1.23	1.86	2.62	3.51	4.55
40.0			0.99	1.58	2.27	3.08	4.04
45.0			0.76	1.30	1.92	2.67	3.55
50.0				1.03	1.60	2.27	3.07
55.0				0.80	1.30	1.90	2.60

50Hz

LF-20X

R404A Dew Point

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.73	0.93	1.14	1.34	1.54	1.74	1.93
25.0	0.70	0.92	1.14	1.37	1.59	1.81	2.03
30.0		0.90	1.14	1.38	1.62	1.86	2.11
35.0		0.87	1.13	1.38	1.65	1.91	2.17
40.0			1.10	1.38	1.66	1.94	2.22
45.0			1.08	1.36	1.66	1.96	2.26
50.0				1.34	1.66	1.97	2.29
55.0				1.31	1.64	1.97	2.31

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	2.22	2.56	2.84	3.07	3.28	3.49	3.72
25.0	2.16	2.51	2.80	3.06	3.31	3.57	3.86
30.0		2.47	2.77	3.05	3.33	3.63	3.98
35.0		2.44	2.75	3.04	3.35	3.68	4.08
40.0			2.73	3.03	3.35	3.72	4.16
45.0			2.72	3.02	3.36	3.75	4.22
50.0				3.01	3.35	3.76	4.26
55.0				3.00	3.34	3.76	4.28

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	4.95	8.24	12.20	17.00	22.70	29.50	37.50
25.0	3.88	7.16	11.10	15.80	21.40	28.10	36.00
30.0		6.03	9.91	14.55	20.10	26.60	34.40
35.0		4.85	8.67	13.20	18.60	25.10	32.70
40.0			7.38	11.80	17.10	23.40	30.90
45.0			6.07	10.40	15.55	21.70	29.00
50.0				8.93	13.90	19.85	27.00
55.0				7.49	12.30	18.05	25.00

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)
Sound Pressure @ 1m, dBA	51
Sound Power, dBA	62
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	3922
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
------------------	---

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