



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-
25.0	0.72	1.14	1.74	2.52	3.50	4.69	6.10
30.0	0.63	1.01	1.56	2.29	3.21	4.33	5.67
35.0	0.54	0.89	1.39	2.07	2.93	3.98	5.24
40.0	0.46	0.77	1.23	1.85	2.65	3.64	4.83
45.0		0.66	1.06	1.64	2.38	3.31	4.43
50.0		0.55	0.91	1.44	2.12	2.98	4.03
55.0			0.77	1.24	1.86	2.66	3.63

50Hz

LJ-20X

R22

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	0.97	1.15	1.36	1.58	1.80	2.01	2.20
30.0	0.94	1.13	1.36	1.60	1.84	2.09	2.32
35.0	0.90	1.10	1.34	1.60	1.88	2.15	2.42
40.0	0.86	1.07	1.32	1.60	1.90	2.21	2.50
45.0		1.03	1.30	1.60	1.92	2.25	2.58
50.0		0.99	1.26	1.57	1.92	2.27	2.63
55.0			1.22	1.54	1.90	2.28	2.67

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	3.46	3.58	3.74	3.92	4.11	4.31	4.52
30.0	3.44	3.56	3.73	3.93	4.15	4.40	4.65
35.0	3.42	3.54	3.72	3.93	4.19	4.47	4.77
40.0	3.40	3.52	3.70	3.93	4.21	4.53	4.87
45.0		3.50	3.68	3.92	4.22	4.57	4.96
50.0		3.47	3.65	3.91	4.22	4.60	5.03
55.0			3.62	3.88	4.21	4.62	5.08

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	3.68	5.83	8.88	12.90	17.95	24.10	31.40
30.0	3.31	5.32	8.23	12.10	17.00	23.00	30.20
35.0	2.95	4.83	7.58	11.30	16.05	21.90	28.90
40.0	2.61	4.33	6.93	10.50	15.05	20.80	27.70
45.0		3.84	6.27	9.66	14.05	19.60	26.40
50.0		3.34	5.60	8.80	13.05	18.40	25.00
55.0			4.90	7.92	12.00	17.15	23.60

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	14.5
Bore/Stroke, mm	54.0/36.5
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	5.6
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