



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	1.16	1.92	2.82	3.92	5.23	6.77	8.58
25.0	0.85	1.58	2.45	3.50	4.74	6.21	7.92
30.0		1.25	2.08	3.07	4.25	5.63	7.26
35.0		0.92	1.72	2.65	3.76	5.06	6.58
40.0			1.36	2.23	3.27	4.48	5.91
45.0			1.02	1.82	2.78	3.91	
50.0				1.44	2.31	3.34	
55.0				1.06	1.85	2.79	

60Hz

LJ-20X

R404A Dew Point

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	1.16	1.43	1.70	1.96	2.22	2.47	2.71
25.0	1.04	1.35	1.66	1.96	2.26	2.55	2.84
30.0		1.26	1.60	1.95	2.29	2.63	2.96
35.0		1.15	1.54	1.92	2.30	2.68	3.06
40.0			1.44	1.87	2.30	2.72	3.14
45.0			1.33	1.80	2.27	2.73	
50.0				1.70	2.21	2.72	
55.0				1.56	2.12	2.68	

Cond °C	Current at 380 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	3.11	3.49	3.90	4.29	4.67	5.00	5.27
25.0	3.28	3.60	3.97	4.37	4.78	5.17	5.53
30.0		3.64	3.98	4.38	4.82	5.28	5.74
35.0		3.65	3.96	4.36	4.83	5.35	5.89
40.0			3.90	4.30	4.79	5.37	6.01
45.0			3.82	4.21	4.74	5.38	
50.0				4.12	4.67	5.37	
55.0				4.02	4.61	5.36	

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	6.99	11.55	17.10	23.80	31.90	41.50	52.90
25.0	5.35	9.98	15.55	22.30	30.30	39.90	51.20
30.0		8.29	13.90	20.60	28.60	38.10	49.40
35.0		6.50	12.10	18.75	26.70	36.20	47.40
40.0			10.15	16.80	24.70	34.00	45.20
45.0			8.12	14.65	22.50	31.70	
50.0				12.40	20.10	29.20	
55.0				9.93	17.50	26.60	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 60 Hz, m ³ /h	17.5
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	3922
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 60 Hz)

Maximum Operating Current, A	6.7
Locked Rotor Current, A	48.5
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
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.44
EWL	380-420 V / 3~ / 50 Hz	400		Y	0.83
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	0.83
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	1.75
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	0.83