



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	3.47	4.51	5.74	7.19					
25.0	3.17	4.15	5.32	6.70	8.31				
30.0	2.88	3.80	4.90	6.21	7.74	9.53	10.30	11.60	12.75
35.0	2.58	3.45	4.49	5.72	7.17	8.87	9.62	10.85	11.90
40.0	2.29	3.10	4.08	5.24	6.60	8.21	8.92	10.05	11.10
45.0	2.00	2.77	3.68	4.76	6.04	7.55	8.22	9.30	10.30
50.0	1.72	2.44	3.28	4.29	5.48	6.89	7.51	8.53	9.45
55.0	1.45	2.11	2.89	3.82	4.92	6.22	6.81		
60.0	1.18	1.80	2.52	3.36	4.37	5.56			
62.0	1.08	1.68	2.37	3.18	4.15				

50Hz

LJ-20X

R134a

Cond °C	Power, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	1.42	1.48	1.54	1.56					
25.0	1.46	1.56	1.64	1.70	1.74				
30.0	1.50	1.64	1.74	1.84	1.91	1.96	1.96	1.97	1.96
35.0	1.54	1.70	1.84	1.96	2.08	2.16	2.19	2.22	2.23
40.0	1.58	1.76	1.92	2.08	2.23	2.35	2.40	2.45	2.49
45.0	1.60	1.80	2.00	2.19	2.37	2.54	2.60	2.68	2.74
50.0	1.62	1.84	2.06	2.29	2.50	2.70	2.78	2.89	2.98
55.0	1.64	1.88	2.12	2.37	2.62	2.86	2.96		
60.0	1.65	1.90	2.16	2.44	2.72	3.00			
62.0	1.65	1.90	2.17	2.46	2.76				

Cond °C	Current at 400 V, A								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	3.70	3.77	3.82	3.85					
25.0	3.75	3.85	3.94	4.00	4.04				
30.0	3.80	3.93	4.05	4.15	4.23	4.28	4.29	4.30	4.29
35.0	3.84	4.00	4.15	4.30	4.42	4.52	4.55	4.59	4.60
40.0	3.87	4.06	4.25	4.43	4.60	4.75	4.80	4.87	4.92
45.0	3.90	4.11	4.33	4.55	4.76	4.96	5.04	5.14	5.22
50.0	3.92	4.15	4.40	4.66	4.92	5.17	5.27	5.41	5.52
55.0	3.94	4.19	4.47	4.76	5.06	5.36	5.48		
60.0	3.95	4.21	4.52	4.85	5.19	5.55			
62.0	3.95	4.22	4.53	4.88	5.24				

Cond °C	Mass Flow, g/s								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	20.80	26.50	33.10	40.70					
25.0	19.90	25.50	32.00	39.60	48.20				
30.0	18.90	24.40	30.90	38.30	46.80	56.60	60.80	67.50	73.50
35.0	17.80	23.30	29.60	37.00	45.40	55.10	59.30	66.00	71.90
40.0	16.65	22.10	28.30	35.60	43.90	53.40	57.60	64.30	70.20
45.0	15.40	20.80	27.00	34.10	42.30	51.70	55.80	62.40	68.30
50.0	14.10	19.45	25.50	32.50	40.60	49.80	53.90	60.30	66.10
55.0	12.70	18.00	24.00	30.80	38.70	47.70	51.70		
60.0	11.20	16.45	22.30	29.00	36.70	45.50			
62.0	10.55	15.85	21.70	28.20	35.80				

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)
Sound Pressure @ 1m, dBA	52
Sound Power, dBA	63
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1430
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