



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											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	2.16	3.03	4.10	5.40	6.95	8.77	10.90	13.35	16.15	19.30	22.90	24.40
25.0	1.85	2.68	3.69	4.90	6.35	8.06	10.05	12.35	14.95	17.95	21.30	22.80
30.0	1.55	2.33	3.28	4.41	5.76	7.35	9.21	11.35	13.80	16.60	19.75	21.10
35.0	1.26	2.00	2.88	3.94	5.19	6.66	8.38	10.35	12.65	15.25	18.20	19.50
40.0	0.96	1.66	2.49	3.46	4.62	5.97	7.56	9.40	11.50	13.95	16.70	17.90
45.0	0.68	1.33	2.10	3.00	4.05	5.30	6.75	8.44	10.40	12.60	15.15	16.25
50.0		1.01	1.71	2.53	3.50	4.63	5.95	7.49	9.27	11.30	13.65	14.70
55.0		0.68	1.33	2.07	2.94	3.96	5.15	6.54	8.16			

60Hz

LJ-30X

R404A Dew Point

Cond °C	Power, kW											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	1.62	1.91	2.19	2.44	2.66	2.84	2.95	3.01	2.99	2.88	2.69	2.58
25.0	1.56	1.90	2.21	2.51	2.78	3.02	3.20	3.33	3.38	3.36	3.26	3.19
30.0	1.48	1.84	2.20	2.55	2.87	3.15	3.40	3.59	3.73	3.79	3.77	3.73
35.0	1.40	1.78	2.17	2.55	2.92	3.26	3.56	3.82	4.02	4.16	4.22	4.22
40.0	1.30	1.70	2.12	2.54	2.95	3.33	3.69	4.01	4.28	4.49	4.63	4.66
45.0	1.20	1.62	2.07	2.52	2.96	3.39	3.80	4.17	4.50	4.78	5.00	5.07
50.0		1.55	2.01	2.49	2.97	3.44	3.89	4.32	4.71	5.05	5.34	5.44
55.0		1.49	1.97	2.47	2.98	3.49	3.98	4.46	4.90			

Cond °C	Current at 380 V, A											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	4.79	5.01	5.26	5.51	5.76	5.98	6.15	6.26	6.29	6.22	6.04	5.93
25.0	4.78	5.02	5.29	5.58	5.88	6.15	6.39	6.59	6.71	6.74	6.67	6.61
30.0	4.76	5.01	5.31	5.64	5.98	6.31	6.62	6.89	7.10	7.23	7.27	7.26
35.0	4.73	4.99	5.32	5.68	6.06	6.45	6.82	7.17	7.47	7.70	7.85	7.88
40.0	4.68	4.96	5.30	5.69	6.12	6.56	7.00	7.42	7.80	8.13	8.38	8.46
45.0	4.62	4.90	5.26	5.68	6.15	6.64	7.14	7.63	8.10	8.52	8.88	9.00
50.0		4.81	5.19	5.64	6.15	6.69	7.25	7.81	8.36	8.87	9.33	9.50
55.0		4.70	5.09	5.57	6.11	6.70	7.32	7.95	8.57			

Cond °C	Mass Flow, g/s											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	13.05	18.35	24.90	33.00	42.60	54.10	67.60	83.40	102.00	123.00	148.00	158.50
25.0	11.70	17.00	23.50	31.40	40.80	52.10	65.40	80.90	99.10	120.00	144.50	155.50
30.0	10.30	15.60	22.00	29.70	39.00	50.00	63.10	78.40	96.30	117.00	141.50	152.50
35.0	8.82	14.05	20.40	28.00	37.10	47.90	60.70	75.80	93.50	114.00	138.50	149.00
40.0	7.19	12.45	18.65	26.10	35.10	45.70	58.20	73.10	90.50	111.00	135.00	146.00
45.0	5.39	10.65	16.80	24.20	32.90	43.30	55.60	70.30	87.50	108.00	132.00	142.50
50.0		8.65	14.80	22.00	30.60	40.80	52.90	67.30	84.40	104.50	128.50	139.50
55.0		6.37	12.50	19.65	28.10	38.10	50.10	64.30	81.30			

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	83
Gross Weight, kg	89
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	8.9
Locked Rotor Current, A	69.5
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 04 400 135

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