



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												
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
30.0	1.65	2.33	3.22	4.33	5.67	7.22	9.00	11.00	13.25	15.70	16.75	18.45	19.90
35.0	1.44	2.08	2.92	3.97	5.23	6.69	8.38	10.25	12.40	14.75	15.75	17.30	18.70
40.0	1.26	1.85	2.64	3.62	4.81	6.19	7.78	9.57	11.55	13.80	14.75	16.20	17.50
45.0	1.08	1.64	2.37	3.30	4.41	5.71	7.20	8.89	10.75	12.85	13.75	15.15	16.35
50.0	0.93	1.44	2.13	2.99	4.03	5.25	6.64	8.23	10.00	11.95	12.80	14.10	15.25
55.0	0.79	1.27	1.90	2.70	3.67	4.81	6.12	7.60	9.25	11.10			
60.0			1.70	2.44	3.34	4.40	5.61	6.99	8.53				
62.0			1.62	2.34	3.21	4.24	5.42	6.76					

50Hz

LJ-30X

R22

Cond °C	Power, kW												
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
30.0	1.34	1.58	1.84	2.09	2.33	2.53	2.70	2.82	2.87	2.85	2.82	2.75	2.67
35.0	1.32	1.59	1.87	2.15	2.42	2.66	2.86	3.03	3.13	3.16	3.16	3.12	3.06
40.0	1.29	1.58	1.88	2.19	2.49	2.77	3.01	3.22	3.37	3.45	3.47	3.46	3.43
45.0	1.27	1.57	1.90	2.23	2.55	2.86	3.15	3.39	3.58	3.72	3.75	3.78	3.78
50.0	1.23	1.56	1.90	2.25	2.61	2.95	3.26	3.55	3.78	3.96	4.02	4.08	4.10
55.0	1.20	1.54	1.90	2.27	2.65	3.02	3.37	3.69	3.97	4.19			
60.0			1.90	2.29	2.69	3.09	3.47	3.82	4.14				
62.0			1.90	2.30	2.71	3.12	3.51	3.88					

Cond °C	Current at 400 V, A												
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
30.0	3.90	4.12	4.37	4.63	4.89	5.12	5.31	5.44	5.50	5.48	5.44	5.35	5.24
35.0	3.88	4.12	4.40	4.69	4.98	5.25	5.49	5.68	5.81	5.85	5.84	5.80	5.73
40.0	3.86	4.12	4.42	4.73	5.06	5.37	5.66	5.91	6.09	6.21	6.23	6.23	6.20
45.0	3.84	4.11	4.43	4.77	5.13	5.49	5.82	6.12	6.37	6.55	6.60	6.64	6.65
50.0	3.81	4.10	4.43	4.80	5.20	5.59	5.97	6.33	6.63	6.88	6.95	7.04	7.09
55.0	3.78	4.08	4.43	4.83	5.25	5.69	6.11	6.52	6.88	7.19			
60.0			4.42	4.84	5.30	5.77	6.24	6.70	7.12				
62.0			4.42	4.85	5.32	5.80	6.29	6.76					

Cond °C	Mass Flow, g/s												
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
30.0	8.69	12.30	17.05	23.00	30.20	38.60	48.40	59.60	72.20	86.40	92.50	102.50	111.00
35.0	7.88	11.35	16.00	21.80	28.80	37.10	46.70	57.60	70.00	84.00	90.00	99.60	108.00
40.0	7.11	10.50	15.00	20.70	27.50	35.60	45.00	55.70	67.90	81.60	87.50	97.00	105.50
45.0	6.38	9.64	14.00	19.55	26.20	34.10	43.30	53.80	65.80	79.20	85.10	94.40	102.50
50.0	5.69	8.85	13.10	18.45	25.00	32.70	41.70	52.00	63.70	76.90	82.70	91.80	100.00
55.0	5.06	8.11	12.25	17.45	23.80	31.40	40.10	50.20	61.70	74.70			
60.0			11.45	16.55	22.70	30.10	38.70	48.60	59.80				
62.0			11.15	16.20	22.30	29.60	38.10	47.90					

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	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)
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	1810
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	7.4
Locked Rotor Current, A	50.6
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 04 400 135

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