



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	0.69	0.95	1.29	1.70	2.20	2.79	3.48	4.28	5.19	6.21	6.66	7.37	7.99
35.0	0.62	0.87	1.18	1.58	2.05	2.61	3.26	4.02	4.88	5.86	6.28	6.96	7.56
40.0	0.54	0.78	1.08	1.44	1.90	2.42	3.04	3.76	4.58	5.51	5.91	6.55	7.12
45.0	0.47	0.69	0.97	1.32	1.74	2.24	2.82	3.50	4.28	5.16	5.54	6.15	6.69
50.0	0.40	0.61	0.87	1.20	1.59	2.06	2.61	3.24	3.98	4.81	5.17	5.75	6.27
55.0		0.52	0.77	1.07	1.44	1.88	2.39	2.99	3.68	4.46	4.81	5.35	5.84
60.0			0.66	0.94	1.28	1.69	2.17	2.73	3.38	4.12	4.44	4.96	5.41
62.0			0.62	0.89	1.22	1.62	2.08	2.63	3.26	3.98	4.29	4.80	5.24

60Hz

KJ-10X

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	0.60	0.69	0.78	0.87	0.95	1.02	1.07	1.10	1.12	1.10	1.08	1.06	1.02
35.0	0.60	0.70	0.80	0.90	0.99	1.08	1.14	1.20	1.24	1.25	1.25	1.23	1.21
40.0	0.60	0.71	0.82	0.92	1.03	1.13	1.22	1.30	1.35	1.38	1.40	1.40	1.39
45.0	0.60	0.71	0.82	0.94	1.06	1.18	1.28	1.38	1.46	1.52	1.54	1.56	1.56
50.0	0.59	0.70	0.83	0.96	1.09	1.22	1.34	1.46	1.56	1.64	1.67	1.70	1.72
55.0		0.69	0.82	0.96	1.11	1.26	1.40	1.52	1.65	1.76	1.80	1.84	1.88
60.0			0.82	0.96	1.12	1.28	1.44	1.59	1.73	1.86	1.91	1.98	2.03
62.0			0.81	0.96	1.12	1.29	1.45	1.61	1.76	1.90	1.96	2.03	2.08

Cond °C	Current at 380 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	1.82	1.89	1.98	2.07	2.16	2.23	2.29	2.34	2.35	2.34	2.33	2.29	2.25
35.0	1.81	1.90	2.00	2.10	2.20	2.30	2.38	2.45	2.49	2.51	2.51	2.49	2.47
40.0	1.81	1.90	2.01	2.13	2.24	2.36	2.46	2.55	2.62	2.67	2.68	2.69	2.69
45.0	1.80	1.90	2.02	2.15	2.28	2.41	2.54	2.65	2.75	2.83	2.85	2.88	2.89
50.0	1.79	1.90	2.03	2.17	2.31	2.46	2.61	2.75	2.87	2.98	3.02	3.06	3.09
55.0		1.89	2.03	2.18	2.34	2.51	2.67	2.83	2.99	3.12	3.17	3.24	3.28
60.0			2.02	2.18	2.36	2.54	2.73	2.91	3.09	3.25	3.32	3.40	3.46
62.0			2.01	2.18	2.36	2.55	2.75	2.94	3.13	3.30	3.37	3.46	3.53

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	3.63	5.03	6.82	9.04	11.75	14.95	18.75	23.20	28.30	34.20	36.70	40.90	44.60
35.0	3.36	4.73	6.48	8.65	11.30	14.45	18.20	22.50	27.60	33.40	36.00	40.10	43.80
40.0	3.08	4.42	6.13	8.25	10.85	13.95	17.60	21.90	26.90	32.60	35.10	39.20	42.90
45.0	2.77	4.08	5.75	7.83	10.35	13.40	17.00	21.20	26.10	31.80	34.30	38.30	42.00
50.0	2.44	3.72	5.36	7.38	9.85	12.80	16.35	20.50	25.30	31.00	33.40	37.40	41.10
55.0		3.33	4.93	6.90	9.32	12.20	15.70	19.75	24.50	30.10	32.50	36.50	40.10
60.0			4.46	6.39	8.74	11.60	14.95	19.00	23.70	29.20	31.60	35.60	39.10
62.0			4.26	6.17	8.50	11.30	14.65	18.65	23.30	28.80	31.20	35.20	38.70

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 60 Hz, m ³ /h	6.19
Bore/Stroke, mm	39.7/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	5/8
Discharge, inch	1/2
Oil Quantity, l	0.65
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	208 x 162 (11.0)
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~ / 60 Hz)

Maximum Operating Current, A	3.8
Locked Rotor Current, A	23.3
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	25 W Horizontal Air Flow Fan
Additional Cooling	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Emerson Industrial Automation, Unidrive M200 02 400 041

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
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	1.75