



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	0.74	1.04	1.40	1.84	2.35	2.96	3.67
25.0	0.65	0.93	1.28	1.69	2.18	2.76	3.43
30.0	0.56	0.82	1.15	1.54	2.00	2.55	3.19
35.0	0.46	0.71	1.02	1.38	1.82	2.34	2.94
40.0	0.36	0.60	0.88	1.23	1.64	2.11	2.68
45.0	0.26	0.48	0.75	1.06	1.44	1.89	2.41
50.0		0.36	0.61	0.90	1.25	1.66	
55.0			0.47	0.73	1.05	1.42	

60Hz

KSJ-10X

R404A Dew Point

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.82	0.91	0.99	1.06	1.13	1.19	1.24
25.0	0.81	0.90	1.00	1.09	1.18	1.26	1.33
30.0	0.78	0.89	1.00	1.11	1.22	1.32	1.42
35.0	0.75	0.87	0.99	1.12	1.25	1.38	1.50
40.0	0.70	0.83	0.98	1.12	1.28	1.43	1.58
45.0	0.64	0.79	0.95	1.12	1.29	1.47	1.66
50.0		0.73	0.91	1.10	1.30	1.50	
55.0			0.86	1.08	1.30	1.54	

Cond °C	Current at 380 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	2.12	2.21	2.30	2.38	2.47	2.54	2.61
25.0	2.14	2.23	2.33	2.44	2.54	2.64	2.74
30.0	2.14	2.24	2.35	2.48	2.60	2.73	2.86
35.0	2.10	2.22	2.35	2.50	2.65	2.81	2.97
40.0	2.04	2.17	2.33	2.50	2.68	2.88	3.08
45.0	1.95	2.10	2.28	2.48	2.70	2.94	3.18
50.0		2.01	2.22	2.45	2.71	2.98	
55.0			2.13	2.40	2.70	3.02	

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	4.48	6.27	8.47	11.15	14.35	18.15	22.60
25.0	4.11	5.91	8.11	10.75	13.95	17.75	22.20
30.0	3.69	5.49	7.68	10.30	13.50	17.25	21.70
35.0	3.21	5.01	7.19	9.81	12.95	16.70	21.10
40.0	2.66	4.46	6.62	9.22	12.35	16.05	20.50
45.0	2.05	3.83	5.97	8.54	11.65	15.35	19.70
50.0		3.11	5.23	7.77	10.85	14.50	
55.0			4.38	6.89	9.93	13.60	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 60 Hz, m ³ /h	7.64
Bore/Stroke, mm	39.7/29.4
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	40
Gross Weight, kg	42
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	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	3.6
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 03 400 056

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