



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	1.50	1.95	2.47	3.10					
25.0	1.40	1.82	2.33	2.93	3.63				
30.0	1.29	1.70	2.18	2.75	3.43	4.22	4.56	5.12	5.63
35.0	1.18	1.56	2.03	2.58	3.23	3.99	4.32	4.86	5.35
40.0	1.06	1.44	1.88	2.40	3.02	3.75	4.07	4.59	5.06
45.0	0.94	1.30	1.72	2.22	2.81	3.51	3.82	4.32	4.77
50.0	0.82	1.16	1.56	2.04	2.60	3.27	3.56	4.04	4.47
55.0	0.70	1.02	1.40	1.86	2.39	3.02	3.30	3.75	4.16
60.0	0.57	0.88	1.24	1.66	2.17	2.76	3.03	3.46	
62.0	0.52	0.82	1.18	1.58	2.08	2.66	2.92	3.34	

50Hz

KSJ-10X

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	0.59	0.62	0.64	0.65					
25.0	0.62	0.66	0.70	0.72	0.73				
30.0	0.65	0.70	0.75	0.79	0.81	0.82	0.82	0.81	0.80
35.0	0.67	0.74	0.80	0.85	0.89	0.91	0.92	0.92	0.92
40.0	0.69	0.77	0.84	0.91	0.96	1.00	1.02	1.02	1.03
45.0	0.70	0.79	0.88	0.96	1.03	1.08	1.10	1.12	1.14
50.0	0.71	0.81	0.91	1.01	1.09	1.16	1.18	1.22	1.24
55.0	0.71	0.82	0.94	1.04	1.14	1.23	1.27	1.30	1.34
60.0	0.71	0.83	0.95	1.08	1.19	1.30	1.34	1.39	
62.0	0.71	0.83	0.96	1.08	1.20	1.32	1.36	1.42	

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	1.69	1.71	1.73	1.74					
25.0	1.72	1.75	1.79	1.81	1.82				
30.0	1.74	1.79	1.84	1.88	1.90	1.91	1.91	1.90	1.88
35.0	1.77	1.83	1.89	1.94	1.98	2.01	2.02	2.02	2.01
40.0	1.78	1.86	1.93	2.00	2.06	2.11	2.12	2.14	2.14
45.0	1.80	1.88	1.97	2.06	2.14	2.20	2.22	2.25	2.27
50.0	1.80	1.90	2.00	2.11	2.20	2.29	2.32	2.36	2.39
55.0	1.80	1.91	2.03	2.15	2.27	2.38	2.42	2.47	2.51
60.0	1.80	1.92	2.05	2.19	2.33	2.46	2.51	2.58	
62.0	1.79	1.92	2.06	2.20	2.35	2.49	2.54	2.62	

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	9.04	11.45	14.30	17.55					
25.0	8.78	11.20	14.00	17.30	21.00				
30.0	8.47	10.90	13.75	17.00	20.70	25.00	26.90	29.90	32.50
35.0	8.13	10.55	13.40	16.70	20.40	24.70	26.60	29.60	32.30
40.0	7.72	10.20	13.05	16.30	20.10	24.40	26.30	29.30	32.00
45.0	7.26	9.75	12.60	15.90	19.70	24.00	25.90	29.00	31.70
50.0	6.72	9.25	12.15	15.45	19.25	23.60	25.50	28.60	31.30
55.0	6.09	8.68	11.60	14.95	18.75	23.10	25.00	28.10	30.80
60.0	5.37	8.02	11.00	14.35	18.20	22.60	24.50	27.60	
62.0	5.05	7.73	10.70	14.10	17.95	22.30	24.20	27.30	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	6.33
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)
Sound Pressure @ 1m, dBA	50
Sound Power, dBA	61
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	3
Locked Rotor Current, A	15.5
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	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
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20