



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	1.28	1.66	2.12	2.65					
25.0	1.16	1.52	1.96	2.47	3.06				
30.0	1.06	1.40	1.80	2.28	2.84	3.50	3.79	4.25	4.67
35.0	0.94	1.26	1.64	2.09	2.63	3.25	3.52	3.97	4.36
40.0	0.83	1.13	1.49	1.92	2.41	3.00	3.26	3.68	4.06
45.0	0.72	1.01	1.34	1.74	2.20	2.75	3.00	3.39	3.75
50.0	0.62	0.88	1.19	1.56	1.99	2.50	2.73	3.10	3.44
55.0	0.52	0.76	1.04	1.38	1.78	2.26	2.47	2.81	3.12
60.0	0.42	0.65	0.91	1.22	1.58	2.01	2.21	2.52	
62.0	0.38	0.60	0.85	1.15	1.50	1.92	2.10	2.41	

50Hz

DKJ-7X

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	0.49	0.51	0.52	0.52					
25.0	0.51	0.54	0.57	0.58	0.58				
30.0	0.53	0.58	0.61	0.64	0.66	0.66	0.66	0.66	0.65
35.0	0.55	0.60	0.65	0.69	0.73	0.75	0.76	0.76	0.76
40.0	0.57	0.63	0.69	0.75	0.80	0.84	0.85	0.87	0.88
45.0	0.59	0.66	0.73	0.80	0.86	0.92	0.94	0.97	1.00
50.0	0.60	0.68	0.76	0.85	0.93	1.01	1.03	1.08	1.11
55.0	0.62	0.70	0.80	0.89	0.99	1.08	1.12	1.18	1.22
60.0	0.63	0.72	0.83	0.94	1.04	1.16	1.20	1.27	
62.0	0.63	0.73	0.84	0.95	1.07	1.19	1.24	1.31	

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	1.15	1.17	1.18	1.17					
25.0	1.17	1.20	1.23	1.24	1.24				
30.0	1.20	1.24	1.28	1.31	1.33	1.34	1.34	1.33	1.32
35.0	1.22	1.27	1.33	1.38	1.42	1.45	1.46	1.46	1.47
40.0	1.24	1.31	1.38	1.44	1.50	1.56	1.58	1.60	1.62
45.0	1.25	1.34	1.42	1.51	1.59	1.67	1.70	1.74	1.77
50.0	1.27	1.36	1.46	1.57	1.67	1.78	1.82	1.87	1.92
55.0	1.29	1.39	1.50	1.63	1.75	1.88	1.93	2.01	2.07
60.0	1.30	1.41	1.54	1.68	1.83	1.99	2.05	2.15	
62.0	1.30	1.42	1.56	1.71	1.87	2.03	2.10	2.21	

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	7.68	9.78	12.20	15.05					
25.0	7.31	9.38	11.80	14.55	17.75				
30.0	6.92	8.96	11.35	14.05	17.20	20.80	22.30	24.80	27.00
35.0	6.51	8.52	10.85	13.55	16.65	20.20	21.70	24.20	26.30
40.0	6.06	8.05	10.35	13.00	16.05	19.55	21.10	23.50	25.60
45.0	5.59	7.55	9.81	12.40	15.40	18.85	20.30	22.70	24.90
50.0	5.08	7.03	9.25	11.80	14.75	18.10	19.60	21.90	24.00
55.0	4.54	6.48	8.66	11.15	14.00	17.30	18.75	21.10	23.10
60.0	3.97	5.91	8.05	10.45	13.25	16.45	17.85	20.10	
62.0	3.74	5.67	7.79	10.20	12.95	16.10	17.45	19.70	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	5.13
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)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
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	2.4
Locked Rotor Current, A	12.2
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
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