



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	0.82	1.10	1.44	1.88	2.41	3.02	3.72	4.52	5.42	6.41	6.83	7.50	8.09
35.0	0.75	1.01	1.34	1.75	2.25	2.83	3.49	4.25	5.10	6.04	6.45	7.08	7.64
40.0	0.67	0.91	1.23	1.62	2.09	2.63	3.27	3.98	4.79	5.68	6.07	6.67	7.20
45.0	0.60	0.83	1.12	1.49	1.93	2.45	3.04	3.72	4.48	5.33	5.69	6.26	6.76
50.0	0.53	0.74	1.02	1.36	1.78	2.26	2.82	3.46	4.18	4.97	5.32	5.86	
55.0	0.46	0.66	0.92	1.24	1.62	2.08	2.60	3.20	3.88				
60.0			0.81	1.11	1.47	1.90	2.39	2.95					
62.0			0.77	1.06	1.41	1.82	2.30	2.85					

50Hz

DKSJ-15X

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	0.69	0.77	0.86	0.95	1.03	1.10	1.16	1.19	1.20	1.18	1.17	1.14	1.10
35.0	0.68	0.78	0.88	0.98	1.08	1.16	1.24	1.30	1.32	1.34	1.33	1.31	1.28
40.0	0.68	0.79	0.90	1.01	1.12	1.23	1.32	1.39	1.44	1.48	1.48	1.48	1.46
45.0	0.67	0.79	0.91	1.03	1.16	1.28	1.39	1.48	1.56	1.61	1.62	1.64	1.64
50.0	0.66	0.78	0.92	1.06	1.20	1.32	1.46	1.56	1.66	1.74	1.76	1.78	
55.0	0.64	0.77	0.92	1.07	1.22	1.37	1.51	1.64	1.76				
60.0			0.92	1.08	1.24	1.40	1.56	1.71					
62.0			0.91	1.08	1.25	1.42	1.58	1.74					

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	2.00	2.06	2.14	2.22	2.30	2.37	2.43	2.47	2.48	2.46	2.45	2.41	2.36
35.0	2.00	2.07	2.16	2.25	2.35	2.44	2.52	2.58	2.62	2.63	2.62	2.60	2.57
40.0	1.99	2.08	2.18	2.28	2.40	2.50	2.60	2.69	2.75	2.79	2.79	2.79	2.77
45.0	1.99	2.08	2.19	2.31	2.44	2.56	2.68	2.79	2.88	2.94	2.96	2.97	2.97
50.0	1.97	2.07	2.20	2.33	2.47	2.62	2.76	2.89	3.00	3.09	3.12	3.15	
55.0	1.95	2.06	2.20	2.34	2.50	2.67	2.83	2.98	3.12				
60.0			2.19	2.35	2.53	2.71	2.89	3.06					
62.0			2.19	2.35	2.53	2.72	2.91	3.09					

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	4.33	5.77	7.66	10.00	12.85	16.15	20.00	24.50	29.50	35.20	37.70	41.70	45.20
35.0	4.07	5.48	7.32	9.62	12.40	15.65	19.45	23.80	28.80	34.40	36.90	40.80	44.20
40.0	3.81	5.18	6.98	9.23	11.95	15.15	18.90	23.20	28.10	33.60	36.10	39.90	43.30
45.0	3.54	4.88	6.63	8.83	11.50	14.65	18.30	22.50	27.40	32.80	35.20	39.00	42.40
50.0	3.26	4.56	6.27	8.42	11.00	14.10	17.70	21.90	26.60	32.00	34.40	38.10	
55.0	2.96	4.22	5.89	7.99	10.55	13.55	17.10	21.20	25.90				
60.0			5.49	7.54	10.05	13.00	16.45	20.50					
62.0			5.32	7.35	9.81	12.75	16.20	20.20					

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	6.33
Bore/Stroke, mm	40.0/29.4
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	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	3.4
Locked Rotor Current, A	19.1
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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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