



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-150

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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 ³ /h	6.33
Bore/Stroke, mm	39.7/29.4
Length/Width, mm	355/235
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)	Suniso 3GS
Oil type (approved oils)	Suniso 3GS, TEXACO Capella WF 32, FUCHS Reniso KM
Base mounting (hole dia), mm	208 x 162 (11.0)
Sound Pressure @ 1m (LT), dBA	54
Sound Pressure @ 1m (MT), dBA	51
Sound Power (LT), dBA	65
Sound Power (MT), dBA	62
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	20.4
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Additional Cooling	1 or 2 ways water Coil
Additional Cooling	7 W Vertical Air Flow Fan
Oil Control System	ALCO Trax-Oil OM3

50Hz

DKSJ-150

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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