

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DK

Model: DKSJ-100

Technical data

Nominal motor power [kW]:

Cylinder count: 2

Displacement [m³/h]: 6,33

Cylinder capacity [cm³]:

RPM [min⁻¹]: 1450

Weight [kg]: 42

Oil charge [dm³]: 0,6

Power supply [V/~/Hz]:

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	15	5/8"
Discharge line:	12	1/2"

R22**Cooling capacity [W]**

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
25	440	650	900	1 200	1 570	2 010	2 540	3 170	3 900	4 750
30	380	580	820	1 110	1 460	1 880	2 380	2 970	3 670	4 480
35	320	520	740	1 020	1 350	1 740	2 220	2 780	3 440	4 210
40	260	450	670	930	1 240	1 610	2 060	2 590	3 220	3 960
45	-	390	600	840	1 140	1 490	1 910	2 410	3 010	3 710
50	-	330	530	760	1 040	1 370	1 770	2 240	2 800	3 470
55	-	280	470	690	950	1 260	1 630	2 080	2 610	3 240

Power input [kW]

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
25	0.48	0.58	0.67	0.75	0.82	0.89	0.95	1.01	1.06	1.11
30	0.46	0.57	0.67	0.76	0.85	0.93	1.01	1.08	1.15	1.22
35	0.44	0.55	0.66	0.76	0.87	0.96	1.06	1.15	1.24	1.32
40	0.41	0.53	0.65	0.77	0.88	0.99	1.10	1.21	1.32	1.42
45	-	0.51	0.64	0.77	0.89	1.02	1.14	1.27	1.39	1.52
50	-	0.49	0.63	0.77	0.91	1.05	1.19	1.33	1.47	1.62
55	-	0.47	0.62	0.77	0.92	1.07	1.23	1.39	1.55	1.71

Operating conditions: suction gas temperature 25°C + additional cooling

t_c - Condensing temperature [°C]t_e - Evaporating temperature [°C]



