

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DK

Model: DKJ-100

Technical data

Nominal motor power [kW]:

Cylinder count:

2

Displacement [m³/h]:

5,13

Cylinder capacity [cm³]:

RPM [min⁻¹]:

1450

Weight [kg]:

41

Oil charge [dm³]:

0,6

Power supply [V/~/Hz]:

Connections

Suction line:

milimeters

15

inches

5/8"

Discharge line:

12

1/2"

R22

Cooling capacity [W]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	590	820	1 100	1 450	1 870	2 370	2 960	3 630	4 400	5 260	5 630	6 230	6 750
35	530	750	1 010	1 350	1 750	2 220	2 770	3 410	4 140	4 970	5 320	5 890	6 390
40	470	670	930	1 240	1 620	2 070	2 590	3 200	3 890	4 670	5 010	5 560	6 040
45	410	600	840	1 140	1 490	1 910	2 410	2 980	3 640	4 380	4 710	5 220	5 680
50	350	530	750	1 030	1 360	1 760	2 230	2 770	3 390	4 090	4 400	4 890	5 320
55	-	460	670	930	1 240	1 610	2 050	2 560	3 140	3 810	4 100	4 560	4 970
60	-	-	580	820	1 110	1 460	1 870	2 340	2 890	3 520	3 790	4 230	4 620
62	-	-	540	780	1 060	1 400	1 790	2 260	2 790	3 400	3 670	4 100	4 480

Power input [kW]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	0.50	0.57	0.65	0.72	0.79	0.85	0.89	0.92	0.93	0.92	0.91	0.88	0.85
35	0.50	0.58	0.67	0.75	0.83	0.90	0.96	1.00	1.03	1.04	1.04	1.02	1.01
40	0.50	0.59	0.68	0.77	0.86	0.94	1.02	1.08	1.13	1.15	1.16	1.16	1.16
45	0.50	0.59	0.69	0.79	0.89	0.98	1.07	1.15	1.21	1.26	1.28	1.29	1.30
50	0.49	0.59	0.69	0.80	0.91	1.02	1.12	1.21	1.30	1.37	1.39	1.42	1.44
55	-	0.58	0.69	0.80	0.92	1.04	1.16	1.27	1.37	1.46	1.49	1.54	1.57
60	-	-	0.68	0.80	0.93	1.07	1.20	1.32	1.44	1.55	1.59	1.65	1.69
62	-	-	0.67	0.80	0.94	1.07	1.21	1.34	1.47	1.59	1.63	1.69	1.73

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



