

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DK

Model: DKJ-150

Technical data

Nominal motor power [kW]:	
Cylinder count:	2
Displacement [m ³ /h]:	5,13
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	41
Oil charge [dm ³]:	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]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	610	830	1 120	1 470	1 890	2 390	2 980	3 670	4 450	5 350	5 740	6 350	6 900
35	540	760	1 030	1 360	1 760	2 230	2 790	3 440	4 180	5 030	5 400	5 990	6 510
40	480	680	930	1 250	1 620	2 070	2 600	3 210	3 920	4 720	5 070	5 630	6 130
45	410	610	850	1 140	1 490	1 920	2 410	2 990	3 660	4 420	4 750	5 280	5 750
50	350	530	760	1 040	1 370	1 760	2 230	2 770	3 400	4 120	4 430	4 930	5 380
55	-	460	670	930	1 240	1 610	2 050	2 560	3 150	3 820	4 120	4 590	5 020
60	-	-	590	830	1 120	1 470	1 870	2 350	2 900	3 530	3 810	-	-
62	-	-	550	790	1 070	1 410	1 800	2 270	2 800	3 420	3 690	-	-

Power input [kW]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	0.53	0.60	0.67	0.74	0.80	0.86	0.91	0.94	0.95	0.94	0.93	0.91	0.88
35	0.52	0.60	0.68	0.76	0.84	0.91	0.97	1.02	1.05	1.06	1.06	1.05	1.03
40	0.52	0.60	0.69	0.78	0.87	0.95	1.03	1.09	1.14	1.17	1.18	1.18	1.17
45	0.51	0.60	0.70	0.80	0.90	0.99	1.08	1.16	1.23	1.27	1.29	1.30	1.31
50	0.50	0.60	0.70	0.81	0.92	1.03	1.13	1.22	1.31	1.37	1.39	1.42	1.44
55	-	0.59	0.70	0.82	0.94	1.06	1.17	1.28	1.38	1.46	1.49	1.53	1.55
60	-	-	0.70	0.82	0.95	1.08	1.21	1.33	1.44	1.54	1.58	-	-
62	-	-	0.69	0.82	0.95	1.09	1.22	1.35	1.47	1.57	1.61	-	-

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



