

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DK

Model: DKJ-10 X

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"

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	650	900	1 220	1 600	2 060	2 590	3 220	3 950	4 770	5 710	6 760	7 220
25	560	800	1 100	1 460	1 890	2 390	2 980	3 660	4 430	5 310	6 310	6 740
30	480	710	990	1 320	1 720	2 190	2 740	3 370	4 100	4 920	5 850	6 260
35	400	610	880	1 190	1 560	1 990	2 500	3 090	3 770	4 530	5 400	5 780
40	320	520	770	1 060	1 400	1 800	2 270	2 810	3 440	4 150	4 950	5 310
45	240	440	670	930	1 250	1 610	2 040	2 540	3 110	3 770	4 510	4 840
50	170	360	570	810	1 100	1 430	1 820	2 270	2 790	3 390	4 070	4 370
55	-	280	470	700	950	1 250	1 600	2 000	2 470	3 020	3 640	3 910

Power input [kW]

$t_c \setminus t_e$	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	0.52	0.61	0.69	0.77	0.84	0.90	0.94	0.96	0.96	0.94	0.89	0.87
25	0.50	0.59	0.69	0.78	0.86	0.93	0.99	1.04	1.06	1.06	1.04	1.02
30	0.48	0.58	0.69	0.79	0.88	0.97	1.04	1.10	1.15	1.17	1.17	1.17
35	0.46	0.57	0.68	0.79	0.90	1.00	1.09	1.17	1.23	1.28	1.30	1.30
40	0.44	0.56	0.68	0.80	0.92	1.03	1.13	1.23	1.31	1.38	1.42	1.44
45	0.42	0.54	0.67	0.80	0.93	1.05	1.17	1.28	1.38	1.47	1.54	1.56
50	0.40	0.53	0.66	0.79	0.93	1.07	1.20	1.33	1.45	1.55	1.64	1.68
55	-	0.51	0.64	0.79	0.93	1.08	1.23	1.37	1.50	1.63	1.74	1.78

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



