

Type: Semi-hermetic piston compressors
Producer: Copeland
Series: DK

Model: DKSJ-10 X

Technical data

Nominal motor power [kW]:	
Cylinder count:	2
Displacement [m ³ /h]:	6,33
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	42
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"

R134a

Cooling capacity [W]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	1 390	1 800	2 270	2 840	3 500	4 270	4 610	5 150	5 640
35	1 290	1 680	2 140	2 680	3 310	4 050	4 370	4 900	5 370
40	1 190	1 560	1 990	2 510	3 110	3 820	4 130	4 630	5 080
45	1 080	1 430	1 850	2 340	2 920	3 590	3 880	4 360	4 790
50	970	1 310	1 700	2 170	2 720	3 350	3 630	4 090	4 500
55	850	1 180	1 550	1 990	2 510	3 110	3 380	3 810	4 190
60	730	1 050	1 400	1 820	2 300	2 860	3 110	3 520	-
62	690	990	1 340	1 740	2 210	2 760	3 010	3 400	-

Power input [kW]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	0.65	0.70	0.75	0.79	0.81	0.82	0.82	0.81	0.79
35	0.67	0.74	0.80	0.85	0.89	0.91	0.92	0.92	0.91
40	0.69	0.77	0.84	0.91	0.96	1.00	1.01	1.02	1.03
45	0.70	0.79	0.88	0.96	1.03	1.08	1.10	1.12	1.14
50	0.71	0.81	0.91	1.00	1.09	1.16	1.19	1.22	1.24
55	0.71	0.83	0.94	1.04	1.14	1.23	1.26	1.31	1.34
60	0.71	0.83	0.95	1.07	1.19	1.29	1.33	1.39	-
62	0.71	0.83	0.96	1.09	1.21	1.32	1.36	1.42	-

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

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

R404A/R507

Cooling capacity [W]

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20
20	640	890	1 200	1 570	2 010	2 530	3 140
25	560	800	1 100	1 450	1 870	2 360	2 940
30	480	710	990	1 320	1 720	2 190	2 730
35	400	620	880	1 190	1 570	2 010	2 520
40	320	520	770	1 060	1 410	1 820	2 300
45	230	420	650	920	1 250	1 630	2 080
50	-	320	530	790	1 080	1 440	-
55	-	-	420	640	920	1 240	-

Power input [kW]

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20
20	0.69	0.76	0.82	0.88	0.94	0.99	1.03
25	0.67	0.75	0.83	0.91	0.98	1.05	1.11
30	0.65	0.74	0.83	0.92	1.01	1.10	1.18
35	0.62	0.72	0.83	0.93	1.04	1.15	1.25
40	0.58	0.69	0.81	0.94	1.06	1.19	1.32
45	0.53	0.66	0.79	0.93	1.08	1.23	1.38
50	-	0.61	0.76	0.92	1.08	1.26	-
55	-	-	0.72	0.90	1.08	1.28	-

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

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



