

Type: Semi-hermetic piston two stage compressors

Producer: Copeland

Series: D6T

Model: D6TJ-250 X SUB

Technical data

	<u>stage I</u>	<u>stage II</u>
Cylinder count:	4	2
Displacement [m ³ /h]:	84,7	42,4
Weight gross [kg]:		7,4
Oil charge [dm ³]:		1 5/8"

Electrical data

Power supply [V/~/Hz]:	380-420V/3/50Hz
Locked rotor current [A]:	203
Max. operating current [A]:	40,2
Nominal motor power [kW]:	25

Connections

	<u>milimeters</u>	<u>inches</u>
Króciec ssawny:		1 5/8"
Discharge line:		1 3/8"

R404A/R507

Cooling capacity [kW]

$t_c \setminus t_e$	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	7.86	10.05	12.99	16.58	20.71	25.27	30.14	35.22	40.41
35	7.67	9.76	12.59	16.05	20.03	24.41	29.10	33.97	38.92
40	7.48	9.48	12.19	15.51	19.33	23.54	28.03	32.69	37.41
45	7.29	9.19	11.78	14.96	18.62	22.65	26.94	31.38	35.87
50	7.11	8.90	11.36	14.40	17.89	21.74	25.83	30.05	34.29
55	6.93	8.61	10.94	13.83	17.16	20.82	24.70	28.69	-

Power input [kW]

$t_c \setminus t_e$	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	8.94	10.00	11.25	12.63	14.08	15.53	16.92	18.17	19.23
35	9.37	10.48	11.80	13.27	14.83	16.39	17.91	19.32	20.54
40	9.82	10.99	12.38	13.94	15.60	17.28	18.94	20.49	21.87
45	10.30	11.52	12.99	14.64	16.40	18.21	20.00	21.70	23.25
50	10.81	12.10	13.64	15.38	17.25	19.18	21.10	22.95	24.67
55	11.37	12.72	14.35	16.18	18.15	20.20	22.26	24.27	-

Current [A]

$t_c \setminus t_e$	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	21.51	22.62	24.07	25.78	27.65	29.57	31.47	33.23	34.77
35	21.97	23.17	24.74	26.59	28.62	30.74	32.85	34.86	36.67
40	22.46	23.75	25.45	27.44	29.65	31.97	34.30	36.56	38.64
45	22.99	24.39	26.21	28.36	30.74	33.26	35.83	38.34	40.70
50	23.58	25.09	27.04	29.35	31.92	34.65	37.45	40.23	42.87
55	24.24	25.86	27.96	30.43	33.19	36.14	39.18	42.23	-

Mass flow [kg/s]

$t_c \setminus t_e$	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	124.74	163.18	217.25	286.32	369.79	467.04	577.44	700.38	835.25
35	123.13	160.80	213.70	281.23	362.77	457.69	565.38	685.23	816.61
40	121.40	158.12	209.69	275.50	354.92	447.35	552.16	668.73	796.45
45	119.62	155.22	205.28	269.19	346.33	436.08	537.83	650.95	774.83
50	117.87	152.17	200.54	262.38	337.05	423.96	522.47	631.96	751.83
55	116.21	149.03	195.55	255.13	327.17	411.05	506.15	611.85	-

C.O.P. [W/W]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	0.88	1.01	1.16	1.31	1.47	1.63	1.78	1.94	2.10
35	0.82	0.93	1.07	1.21	1.35	1.49	1.62	1.76	1.90
40	0.76	0.86	0.98	1.11	1.24	1.36	1.48	1.60	1.71
45	0.71	0.80	0.91	1.02	1.14	1.24	1.35	1.45	1.54
50	0.66	0.74	0.83	0.94	1.04	1.13	1.22	1.31	1.39
55	0.61	0.68	0.76	0.85	0.95	1.03	1.11	1.18	-

Application range

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 Maximum evaporating temperature
 25°C suction gas temperature

Operating conditions: ISO; subcooling: 0 K, return gas temperature: 20 °C

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



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Dimensions

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L	755 mm
B	585 mm
H	757 mm