

Type: Semi-hermetic piston two stage compressors

Producer: Copeland

Series: D6T

Model: D6TA-150 X SUB

Technical data

	<u>stage I</u>	<u>stage II</u>
Cylinder count:	4	2
Displacement [m ³ /h]:	56	28
Weight gross [kg]:		4,3
Oil charge [dm ³]:		1 5/8"

Electrical data

Power supply [V/~/Hz]:	380-420V/3/50Hz
Locked rotor current [A]:	174
Max. operating current [A]:	30,1
Nominal motor power [kW]:	15

Connections

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

R404A/R507

Cooling capacity [kW]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	4.83	6.69	8.88	11.44	14.37	17.72	21.50	25.73	30.46
35	4.76	6.58	8.73	11.21	14.07	17.33	21.00	25.12	29.71
40	4.69	6.46	8.54	10.95	13.72	16.87	20.43	24.42	28.87
45	4.62	6.33	8.33	10.65	13.31	16.35	19.78	23.63	27.92
50	4.55	6.18	8.09	10.30	12.85	15.76	19.05	22.74	26.87
55	4.46	6.00	7.81	9.91	12.34	15.10	18.24	21.77	-

Power input [kW]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	6.16	7.04	7.91	8.76	9.61	10.44	11.25	12.06	12.85
35	6.45	7.38	8.30	9.22	10.13	11.04	11.94	12.84	13.74
40	6.80	7.77	8.75	9.73	10.71	11.70	12.69	13.68	14.68
45	7.18	8.20	9.23	10.28	11.33	12.40	13.48	14.57	15.67
50	7.60	8.66	9.75	10.86	11.98	13.13	14.30	15.49	16.70
55	8.02	9.14	10.28	11.45	12.66	13.89	15.14	16.43	-

Current [A]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	15.94	16.85	17.80	18.78	19.79	20.82	21.87	22.95	24.05
35	16.25	17.21	18.23	19.30	20.41	21.57	22.77	24.02	25.30
40	16.61	17.64	18.74	19.90	21.13	22.43	23.79	25.20	26.68
45	17.03	18.13	19.31	20.58	21.94	23.38	24.90	26.50	28.17
50	17.48	18.65	19.93	21.32	22.81	24.40	26.09	27.89	29.77
55	17.94	19.20	20.59	22.10	23.73	25.49	27.36	29.35	-

Mass flow [kg/s]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	76.35	109.19	148.96	197.38	256.17	327.07	411.79	512.05	629.58
35	76.01	108.84	148.38	196.37	254.52	324.56	408.21	507.19	623.24
40	75.75	108.22	147.21	194.43	251.60	320.45	402.70	500.07	614.29
45	75.50	107.30	145.39	191.51	247.37	314.69	395.21	490.64	602.70
50	75.23	106.01	142.88	187.56	241.77	307.24	385.68	478.83	588.40
55	74.87	104.31	139.61	182.52	234.75	298.03	374.07	464.60	-

C.O.P. [W/W]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	0.78	0.95	1.12	1.31	1.50	1.70	1.91	2.13	2.37
35	0.74	0.89	1.05	1.22	1.39	1.57	1.76	1.96	2.16
40	0.69	0.83	0.98	1.13	1.28	1.44	1.61	1.78	1.97
45	0.64	0.77	0.90	1.04	1.18	1.32	1.47	1.62	1.78
50	0.60	0.71	0.83	0.95	1.07	1.20	1.33	1.47	1.61
55	0.56	0.66	0.76	0.87	0.97	1.09	1.20	1.32	-

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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L	755 mm
B	585 mm
H	575 mm