

Type: Semi-hermetic piston two stage compressors

Producer: Copeland

Series: D6T

Model: D6TA-1500 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"

R22

Cooling capacity [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	7.78	9.78	12.22	15.16	18.69	22.87	27.79
30	7.67	9.66	12.07	14.99	18.48	22.62	27.48
35	7.53	9.50	11.90	14.78	18.24	22.33	27.14
40	7.36	9.31	11.68	14.53	17.95	22.00	26.76
45	7.13	9.07	11.41	14.23	17.61	21.61	26.32
50	-	8.77	11.08	13.87	17.21	21.16	25.81
55	-	8.40	10.68	13.44	16.73	20.63	25.22

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	6.18	6.82	7.51	8.24	8.99	9.75	10.50
30	6.54	7.24	7.99	8.79	9.62	10.47	11.33
35	6.90	7.65	8.48	9.36	10.28	11.23	12.19
40	7.25	8.07	8.97	9.93	10.95	12.01	13.09
45	7.59	8.48	9.46	10.52	11.64	12.81	14.01
50	-	8.88	9.95	11.11	12.33	13.62	14.95
55	-	9.26	10.43	11.69	13.03	14.44	15.91

Current [A]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	12.49	13.42	14.43	15.50	16.62	17.75	18.88
30	13.02	14.03	15.13	16.32	17.56	18.84	20.13
35	13.54	14.64	15.86	17.16	18.55	19.98	21.44
40	14.05	15.26	16.59	18.03	19.56	21.16	22.80
45	14.55	15.86	17.33	18.91	20.60	22.37	24.20
50	-	16.46	18.06	19.80	21.66	23.61	25.64
55	-	17.03	18.77	20.68	22.72	24.87	27.11

Mass flow [kg/s]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	141.88	179.38	224.52	279.02	344.59	422.94	515.78
30	144.88	182.98	229.05	284.80	351.95	432.19	527.25
35	147.46	186.32	233.47	290.63	359.51	441.81	539.25
40	149.41	189.19	237.58	296.31	367.08	451.60	551.57
45	150.52	191.37	241.17	301.62	374.44	461.33	564.00
50	-	192.66	244.01	306.35	381.38	470.80	576.33

55	-	192.83	245.91	310.29	387.68	479.79	588.34
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C.O.P. [W/W]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	1.26	1.43	1.63	1.84	2.08	2.35	2.65
30	1.17	1.33	1.51	1.71	1.92	2.16	2.43
35	1.09	1.24	1.40	1.58	1.77	1.99	2.23
40	1.01	1.15	1.30	1.46	1.64	1.83	2.04
45	0.94	1.07	1.21	1.35	1.51	1.69	1.88
50	-	0.99	1.11	1.25	1.40	1.55	1.73
55	-	0.91	1.02	1.15	1.28	1.43	1.59

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	575 mm