Type: Semi-hermetic piston two stage compressors
Producer: Copeland
Series: D6T

Model: D6TH-200 X SUB

Technical data

	stage I	stage II
Cylinder count:	4	2
Displacement [m³/h]:	70,8	35,4
Weight gross [kg]:		4,3
Oil charge [dm³]:		1 5/8"

Electrical data

Power supply [V/~/Hz]:	380-420V/3/50Hz
Locked rotor current [A]:	174
Max. operating current [A]:	37,3
Nominal motor power [kW]:	20

Connections

	milimeters	inches
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	6.34	8.39	10.88	13.82	17.20	21.04	25.34	30.11	35.34
35	6.21	8.22	10.66	13.52	16.80	20.51	24.66	29.25	34.28
40	6.06	8.04	10.42	13.20	16.37	19.96	23.95	28.36	33.19
45	5.90	7.85	10.16	12.85	15.92	19.37	23.21	27.44	32.06
50	5.73	7.63	9.88	12.48	15.44	18.75	22.43	26.47	30.89
55	5.52	7.38	9.57	12.07	14.91	18.09	21.60	25.45	-

Power input [kW]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	7.52	8.73	9.90	11.05	12.17	13.29	14.42	15.57	16.76
35	7.87	9.15	10.40	11.63	12.86	14.09	15.35	16.63	17.96
40	8.27	9.62	10.94	12.26	13.58	14.92	16.29	17.70	19.17
45	8.72	10.12	11.51	12.91	14.32	15.76	17.25	18.79	20.39
50	9.22	10.67	12.12	13.59	15.09	16.63	18.23	19.88	21.62
55	9.76	11.26	12.77	14.31	15.89	17.52	19.22	20.99	-

Current [A]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	17.29	18.77	20.22	21.65	23.12	24.63	26.23	27.95	29.81
35	17.71	19.27	20.83	22.41	24.04	25.75	27.58	29.55	31.69
40	18.18	19.84	21.51	23.23	25.03	26.94	28.99	31.21	33.64
45	18.73	20.47	22.25	24.12	26.09	28.19	30.47	32.95	35.66
50	19.34	21.17	23.07	25.07	27.21	29.52	32.03	34.76	37.75
55	20.03	21.94	23.96	26.10	28.42	30.92	33.66	36.64	-

Mass flow [kg/s]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	100.48	136.76	182.28	238.48	306.81	388.70	485.62	599.01	730.31
35	99.34	135.81	181.11	236.66	303.93	384.35	479.37	590.44	719.02
40	98.08	134.59	179.51	234.27	300.31	379.10	472.07	580.68	706.36
45	96.60	132.99	177.37	231.18	295.86	372.86	463.63	569.61	692.25
50	94.78	130.91	174.60	227.30	290.45	365.51	453.92	557.12	676.57
55	92.52	128.22	171.07	222.51	283.99	356.95	442.84	543.12	-

C.O.P. [W/W]

t_c \ t_e	-60	-55	-50	-45	-40	-35	-30	-25	-20
30	0.84	0.96	1.10	1.25	1.41	1.58	1.76	1.93	2.11
35	0.79	0.90	1.02	1.16	1.31	1.46	1.61	1.76	1.91
40	0.73	0.84	0.95	1.08	1.21	1.34	1.47	1.60	1.73
45	0.68	0.78	0.88	1.00	1.11	1.23	1.35	1.46	1.57
50	0.62	0.72	0.82	0.92	1.02	1.13	1.23	1.33	1.43
55	0.57	0.66	0.75	0.84	0.94	1.03	1.12	1.21	-

Application range

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Maximum evaporating temperature
25ºC suction gas temperature

Operating conditions: ISO; subcooling: 0 K, return gas temperature: 20 ºC
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]

Model: D6TH-200 X SUB

Dimensions

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L	755	mm
B	585	mm
H	630	mm