

Type: Semi-hermetic piston two stage compressors

Producer: Copeland

Series: D6T

Model: D6TJ-2500 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"

R22

Cooling capacity [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	10.57	13.55	17.17	21.56	26.82	33.06	40.38
30	10.33	13.29	16.90	21.25	26.47	32.66	39.92
35	10.06	13.01	16.59	20.91	26.08	32.22	39.42
40	9.74	12.67	16.23	20.51	25.64	31.72	38.86
45	9.36	12.27	15.80	20.05	25.13	31.15	38.22
50	-	11.80	15.29	19.50	24.53	30.49	37.49
55	-	11.23	14.69	18.85	23.83	29.73	36.66

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	8.41	9.48	10.64	11.86	13.12	14.41	15.71
30	8.86	10.02	11.27	12.60	13.99	15.42	16.88
35	9.31	10.56	11.92	13.37	14.90	16.48	18.10
40	9.73	11.09	12.57	14.15	15.83	17.58	19.37
45	10.13	11.60	13.21	14.94	16.78	18.70	20.69
50	-	12.09	13.84	15.73	17.74	19.85	22.03
55	-	12.55	14.46	16.51	18.70	21.01	23.41

Current [A]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	18.14	19.39	20.79	22.31	23.93	25.61	27.33
30	18.66	20.03	21.57	23.25	25.05	26.94	28.89
35	19.19	20.69	22.38	24.24	26.24	28.35	30.55
40	19.69	21.34	23.21	25.26	27.48	29.83	32.28
45	20.17	21.98	24.04	26.30	28.75	31.36	34.09
50	-	22.60	24.86	27.35	30.05	32.93	35.96
55	-	23.19	25.67	28.40	31.37	34.53	37.87

Mass flow [kg/s]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	155.47	204.38	264.94	341.15	436.96	556.35	703.28
30	152.70	201.52	262.00	338.10	433.80	553.06	699.86
35	149.45	198.13	258.45	334.39	429.92	549.00	695.61
40	145.48	193.96	254.07	329.79	425.09	543.93	690.29
45	140.54	188.76	248.61	324.05	419.06	537.61	683.66
50	-	182.30	241.82	316.93	411.59	529.79	675.47

55	-	174.33	233.47	308.18	402.45	520.23	665.49
----	---	--------	--------	--------	--------	--------	--------

C.O.P. [W/W]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	1.26	1.43	1.61	1.82	2.04	2.29	2.57
30	1.17	1.33	1.50	1.69	1.89	2.12	2.37
35	1.08	1.23	1.39	1.56	1.75	1.95	2.18
40	1.00	1.14	1.29	1.45	1.62	1.80	2.01
45	0.92	1.06	1.20	1.34	1.50	1.67	1.85
50	-	0.98	1.10	1.24	1.38	1.54	1.70
55	-	0.89	1.02	1.14	1.27	1.42	1.57

Application range

Error: Cannot load image. Report this error please

	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]

Error: Cannot load image. Report this error please

L	755 mm
B	585 mm
H	630 mm