



Model: D9TH-1010 SUB

Data

Type: Semi-hermetic piston two stage compressors

Producer: Copeland

Series: D9T

Model: D9TH-1010 SUB

Technical data

	<u>stage I</u>	<u>stage II</u>
Cylinder count:	2	1
Displacement [m ³ /h]:	33	16,5
Weight gross [kg]:		3,6
Oil charge [dm ³]:		1 3/8"

Electrical data

Power supply [V/~/Hz]:	7/8"
Locked rotor current [A]:	96
Max. operating current [A]:	22,2
Nominal motor power [kW]:	10

Connections

	<u>milimeters</u>	<u>inches</u>
Króciec ssawny:		1 3/8"
Discharge line:		380-420V/3/50Hz

R22

Cooling capacity [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	3.65	4.80	6.20	7.90	9.92
35	3.60	4.70	6.06	7.69	9.63
40	3.55	4.61	5.91	7.48	9.35
45	3.48	4.50	5.74	7.25	9.04
50	3.36	4.34	5.53	6.96	8.68
55	3.18	4.11	5.25	6.61	8.25

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	3.74	4.26	4.82	5.43	6.08
35	4.04	4.58	5.18	5.83	6.53
40	4.36	4.93	5.57	6.26	7.01
45	4.68	5.29	5.96	6.70	7.51
50	5.00	5.64	6.35	7.14	8.00
55	5.30	5.97	6.73	7.56	8.48

Current [A]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	9.68	10.62	11.64	12.75	13.94
35	10.22	11.20	12.29	13.48	14.77
40	10.79	11.83	13.00	14.27	15.65
45	11.38	12.49	13.72	15.08	16.56
50	11.97	13.13	14.44	15.89	17.47
55	12.52	13.74	15.13	16.67	18.36



Mass flow [kg/s]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	68.93	90.84	117.59	150.02	188.96
35	70.31	92.16	118.85	151.19	190.02
40	71.94	93.73	120.33	152.57	191.28
45	73.28	94.99	121.50	153.64	192.21
50	73.79	95.42	121.83	153.84	192.28
55	72.95	94.49	120.78	152.66	190.95

C.O.P. [W/W]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	0.98	1.13	1.29	1.45	1.63
35	0.89	1.03	1.17	1.32	1.47
40	0.81	0.94	1.06	1.19	1.33
45	0.74	0.85	0.96	1.08	1.20
50	0.67	0.77	0.87	0.98	1.08
55	0.60	0.69	0.78	0.87	0.97

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]



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Dimensions

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L	655 mm
B	385 mm
H	540 mm