

Type: Semi-hermetic piston two stage compressors

Producer: Copeland

Series: D9T

Model: D9TL-0760 SUB

Technical data

	<u>stage I</u>	<u>stage II</u>
Cylinder count:	2	1
Displacement [m ³ /h]:	25,3	12,7
Weight gross [kg]:		3,6
Oil charge [dm ³]:		1 3/8"

Electrical data

Power supply [V/~/Hz]:	7/8"
Locked rotor current [A]:	78
Max. operating current [A]:	16,8
Nominal motor power [kW]:	7,5

Connections

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

R22

Cooling capacity [kW]

$t_c \setminus t_e$	-40	-35	-30
30	4.69	5.90	7.35
35	4.58	5.74	7.12
40	4.50	5.59	6.91
45	4.44	5.48	6.72
50	4.41	5.39	6.56
55	4.40	5.33	6.43

Power input [kW]

$t_c \setminus t_e$	-40	-35	-30
30	3.77	4.18	4.62
35	3.97	4.42	4.90
40	4.20	4.68	5.20
45	4.46	4.96	5.52
50	4.75	5.28	5.87
55	5.08	5.64	6.25

Current [A]

$t_c \setminus t_e$	-40	-35	-30
30	10.22	10.87	11.57
35	10.54	11.25	12.02
40	10.90	11.66	12.49
45	11.31	12.11	13.01
50	11.77	12.63	13.58
55	12.30	13.20	14.22

Mass flow [kg/s]

$t_c \setminus t_e$	-40	-35	-30
30	88.93	112.12	140.00
35	89.90	112.83	140.37
40	91.49	114.12	141.30
45	93.84	116.15	142.94
50	97.09	119.06	145.44
55	101.39	122.99	148.93

C.O.P. [W/W]

$t_c \setminus t_e$	-40	-35	-30
30	1.24	1.41	1.59
35	1.15	1.30	1.45
40	1.07	1.20	1.33
45	1.00	1.10	1.22
50	0.93	1.02	1.12
55	0.87	0.95	1.03

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	655 mm
B	385 mm
H	540 mm