

Type: Semi-hermetic piston two stage compressors

Producer: Copeland

Series: D9T

Model: D9TK-0760 SUB

Technical data

	<u>stage I</u>	<u>stage II</u>
Cylinder count:	2	1
Displacement [m ³ /h]:	21,6	10,8
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]:	11,8
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]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	2.53	3.25	4.14	5.20	6.47
35	2.46	3.15	4.00	5.02	6.24
40	2.39	3.05	3.86	4.84	6.01
45	2.32	2.96	3.74	4.67	5.79
50	2.27	2.87	3.61	4.50	5.56
55	2.22	2.79	3.49	4.34	5.35

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	2.31	2.56	2.83	3.11	3.40
35	2.43	2.71	3.02	3.35	3.69
40	2.55	2.87	3.21	3.59	3.99
45	2.69	3.03	3.42	3.85	4.31
50	2.83	3.21	3.64	4.12	4.64
55	3.00	3.41	3.88	4.41	4.99

Current [A]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	5.90	6.33	6.80	7.30	7.86
35	6.10	6.58	7.13	7.75	8.44
40	6.31	6.86	7.49	8.23	9.07
45	6.54	7.16	7.89	8.76	9.75
50	6.80	7.49	8.34	9.34	10.50
55	7.09	7.88	8.84	9.98	11.32

Mass flow [kg/s]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	47.85	61.60	78.42	98.80	123.26
35	48.06	61.75	78.47	98.73	123.06
40	48.42	62.03	78.65	98.79	122.96
45	48.97	62.49	79.00	99.00	123.02
50	49.76	63.18	79.57	99.43	123.28
55	50.83	64.15	80.40	100.11	123.78

C.O.P. [W/W]

$t_c \setminus t_e$	-50	-45	-40	-35	-30
30	1.10	1.27	1.46	1.67	1.90
35	1.01	1.16	1.32	1.50	1.69
40	0.94	1.06	1.20	1.35	1.51
45	0.86	0.98	1.09	1.21	1.34
50	0.80	0.89	0.99	1.09	1.20
55	0.74	0.82	0.90	0.98	1.07

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