

Model: D6DH-3500

Data

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D6DH-3500

Technical data

Cylinder count:	6
Displacement [m ³ /h]:	106
Weight [kg]:	262
Oil charge [dm ³]:	4,3
Max. operating current [A]:	63,5
Locked rotor current [A]:	284
Power supply [V/~/Hz]:	380-420V/3/50Hz

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:		2 1/8"
Discharge line:		1 3/8"

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Capacity

R22

Cooling capacity [kW]

$t_c \setminus t_e$	-25	-20	-15	-10	-5	0	5	10
30	34.69	43.57	53.96	66.11	80.25	96.60	115.41	136.89
35	32.39	40.98	50.98	62.60	76.10	91.69	109.62	130.11
40	30.06	38.36	47.94	59.03	71.88	86.70	103.74	123.22
45	-	35.69	44.85	55.40	67.59	81.63	97.77	116.23
50	-	33.01	41.73	51.73	63.25	76.50	91.73	109.17
55	-	-	38.59	48.03	58.86	71.31	85.63	102.02
60	-	-	35.43	44.29	54.44	66.08	79.47	94.82

Power input [kW]

$t_c \setminus t_e$	-25	-20	-15	-10	-5	0	5	10
30	14.00	15.33	16.54	17.57	18.35	18.82	18.93	18.62
35	14.83	16.35	17.78	19.05	20.10	20.88	21.33	21.39
40	15.63	17.33	18.96	20.46	21.78	22.86	23.63	24.04
45	-	18.25	20.08	21.81	23.38	24.74	25.83	26.58
50	-	19.13	21.14	23.08	24.90	26.54	27.93	29.02
55	-	-	22.15	24.29	26.34	28.24	29.92	31.33
60	-	-	23.09	25.43	27.70	29.85	31.81	33.54

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Current [A]

t_c \ t_e	-25	-20	-15	-10	-5	0	5	10
30	30.57	32.30	33.92	35.33	36.42	37.10	37.26	36.78
35	31.64	33.66	35.61	37.40	38.92	40.06	40.73	40.82
40	32.69	34.99	37.28	39.44	41.38	42.99	44.17	44.81
45	-	36.29	38.90	41.43	43.79	45.86	47.54	48.74
50	-	37.53	40.46	43.36	46.12	48.65	50.84	52.59
55	-	-	41.94	45.20	48.37	51.36	54.05	56.34
60	-	-	43.31	46.94	50.51	53.95	57.13	59.97

Mass flow [kg/s]

t_c \ t_e	-25	-20	-15	-10	-5	0	5	10
30	661.01	837.56	1 041.91	1 281.35	1 563.20	1 894.76	2 283.32	2 736.19
35	639.29	815.38	1 018.60	1 256.24	1 535.61	1 864.01	2 248.74	2 697.11
40	616.24	791.56	993.32	1 228.84	1 505.41	1 830.34	2 210.92	2 654.47
45	-	766.17	966.16	1 199.24	1 472.69	1 793.82	2 169.94	2 608.34
50	-	739.30	937.20	1 167.51	1 437.52	1 754.54	2 125.88	2 558.82
55	-	-	906.52	1 133.75	1 400.00	1 712.59	2 078.82	2 505.98
60	-	-	874.20	1 098.02	1 360.20	1 668.04	2 028.84	2 449.91

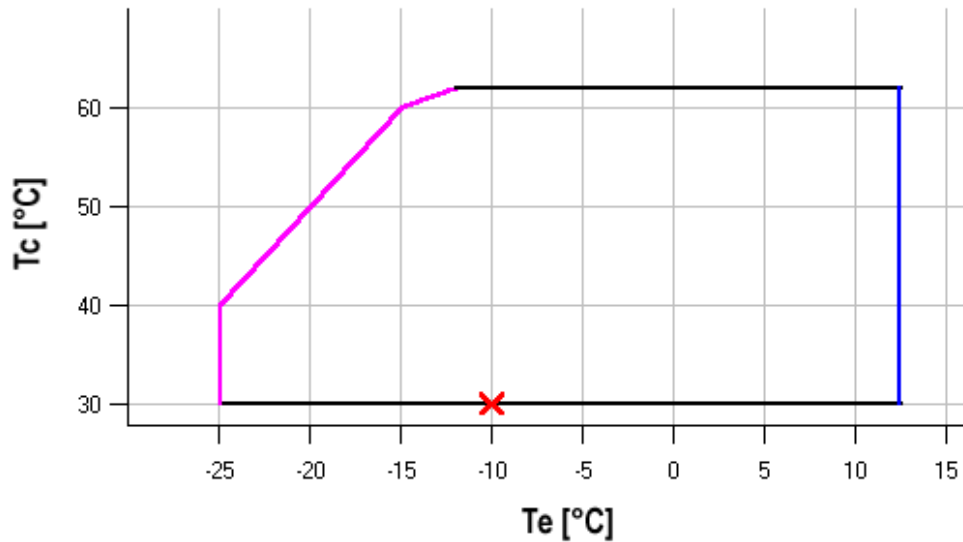
Model: D6DH-3500



Capacity

C.O.P. [W/W]

$t_c \setminus t_e$	-25	-20	-15	-10	-5	0	5	10
30	2.48	2.84	3.26	3.76	4.37	5.13	6.10	7.35
35	2.18	2.51	2.87	3.29	3.79	4.39	5.14	6.08
40	1.92	2.21	2.53	2.88	3.30	3.79	4.39	5.13
45	-	1.96	2.23	2.54	2.89	3.30	3.79	4.37
50	-	1.73	1.97	2.24	2.54	2.88	3.28	3.76
55	-	-	1.74	1.98	2.23	2.53	2.86	3.26
60	-	-	1.53	1.74	1.97	2.21	2.50	2.83

Application range



 Maximum evaporating temperature
 25°C suction gas return

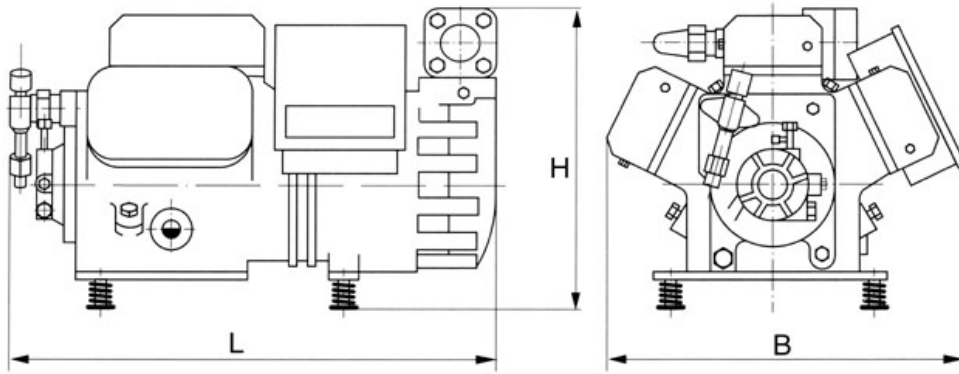
Operating conditions: ISO; subcooling: 0 K, suction superheat: 10 K, return gas temperature: -

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

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Dimensions



L	760 mm
B	580 mm
H	490 mm

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Image

