

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D4DH-150 X

Technical data

Nominal motor power [kW]:

Cylinder count: 4

Displacement [m³/h]: 70,8

Cylinder capacity [cm³]:

RPM [min⁻¹]: 1450

Weight [kg]: 207

Oil charge [dm³]: 3,6

Power supply [V/~/Hz]:

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	42	1 5/8"
Discharge line:	28	1 1/8"

R134a

Cooling capacity [W]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	16 050	20 850	26 560	33 300	41 180	50 330	54 370	60 860	66 690
35	14 750	19 300	24 700	31 070	38 540	47 230	51 070	57 240	62 790
40	13 470	17 770	22 870	28 870	35 920	44 130	47 770	53 620	58 880
45	12 200	16 270	21 060	26 710	33 330	41 050	44 470	49 990	54 950
50	10 940	14 800	19 300	24 580	30 760	37 980	41 180	46 350	50 990
55	9 700	13 350	17 560	22 480	28 220	34 920	37 900	42 700	47 020
60	8 470	11 940	15 870	20 420	25 710	31 880	34 620	39 040	43 020
62	-	-	15 200	19 600	24 720	30 670	33 310	37 570	41 420

Power input [kW]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	6.08	6.72	7.27	7.68	7.94	8.00	7.97	7.86	7.70
35	6.32	7.09	7.79	8.37	8.80	9.06	9.11	9.11	9.06
40	6.52	7.42	8.26	9.00	9.60	10.05	10.17	10.30	10.34
45	6.70	7.71	8.68	9.57	10.34	10.96	11.16	11.40	11.55
50	6.84	7.95	9.04	10.07	11.00	11.79	12.06	12.42	12.67
55	6.95	8.14	9.34	10.50	11.58	12.54	12.89	13.35	13.69
60	7.02	8.28	9.57	10.86	12.08	13.20	13.61	14.19	14.63
62	-	-	9.65	10.98	12.25	13.44	13.88	14.50	14.97

Operating conditions: suction gas temperature 25°C + additional cooling

t_c - Condensing temperature [°C]t_e - Evaporating temperature [°C]



