

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D4DH-2500

Technical data

Nominal motor power [kW]:

Cylinder count:

4

Displacement [m³/h]:

70,8

Cylinder capacity [cm³]:

RPM [min⁻¹]:

1450

Weight [kg]:

225

Oil charge [dm³]:

4

Power supply [V/~/Hz]:

Connections

Suction line:

milimeters

54

inches

2 1/8"

Discharge line:

28

1 1/8"

R22

Cooling capacity [W]

t_c \ t_e	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	23 200	29 160	36 130	44 230	53 610	64 410	76 820	82 280	91 050	98 920
35	21 800	27 510	34 180	41 940	50 910	61 240	73 110	78 330	86 700	94 220
40	20 390	25 840	32 220	39 620	48 180	58 040	69 350	74 320	82 290	89 450
45	-	24 160	30 220	37 270	45 410	54 770	65 510	70 230	77 800	84 590
50	-	22 470	28 230	34 910	42 620	51 490	61 660	66 120	73 280	79 690
55	-	-	26 230	32 540	39 820	48 190	57 760	61 970	68 700	74 730
60	-	-	24 230	30 150	36 990	44 840	53 810	57 750	64 050	69 690
62	-	-	-	29 200	35 860	43 490	52 230	56 050	62 180	67 660

Power input [kW]

t_c \ t_e	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	9.17	10.06	10.87	11.56	12.10	12.43	12.53	12.49	12.34	12.11
35	9.72	10.74	11.70	12.55	13.26	13.80	14.11	14.17	14.17	14.08
40	10.24	11.39	12.48	13.49	14.37	15.10	15.64	15.78	15.93	15.97
45	-	12.00	13.22	14.38	15.44	16.35	17.10	17.33	17.62	17.78
50	-	12.57	13.93	15.23	16.45	17.55	18.49	18.81	19.23	19.52
55	-	-	14.59	16.04	17.41	18.68	19.82	20.23	20.78	21.18
60	-	-	15.23	16.80	18.32	19.76	21.08	21.57	22.25	22.76
62	-	-	-	17.10	18.68	20.18	21.57	22.09	22.82	23.37

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



