

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D4DF-1000

Technical data

Nominal motor power [kW]:

Cylinder count: 4

Displacement [m³/h]: 56

Cylinder capacity [cm³]:

RPM [min⁻¹]: 1450

Weight [kg]: 213

Oil charge [dm³]: 4,5

Power supply [V/~/Hz]:

Connections

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

R22

Cooling capacity [W]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	3 780	5 580	7 770	10 420	13 590	17 340	21 770
30	3 270	5 020	7 150	9 720	12 800	16 440	20 730
35	2 720	4 410	6 470	8 950	11 920	15 430	19 570
40	-	3 740	5 710	8 090	10 930	14 310	18 270
45	-	3 000	4 880	7 140	9 850	13 050	16 830
50	-	-	3 960	6 100	8 650	11 670	15 230
55	-	-	2 960	4 950	7 330	10 150	13 470

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
25	3.07	3.77	4.47	5.14	5.78	6.37	6.90
30	3.00	3.81	4.63	5.44	6.22	6.95	7.63
35	2.86	3.78	4.72	5.65	6.56	7.44	8.26
40	-	3.66	4.71	5.77	6.82	7.83	8.80
45	-	3.46	4.62	5.80	6.98	8.13	9.24
50	-	-	4.44	5.73	7.03	8.32	9.57
55	-	-	4.16	5.56	6.98	8.39	9.78

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



