

Type: Semi-hermetic piston compressors
Producer: Copeland
Series: DISCUS

Model: D4DA-2000

Technical data

Nominal motor power [kW]:	
Cylinder count:	4
Displacement [m ³ /h]:	56
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	212
Oil charge [dm ³]:	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"

R22**Cooling capacity [W]**

t_c \ t_e	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	18 160	22 990	28 630	35 180	42 770	51 510	61 560	65 980	73 070	79 450
35	16 960	21 590	26 990	33 280	40 540	48 910	58 520	62 750	69 530	75 620
40	15 750	20 170	25 340	31 340	38 280	46 270	55 440	59 470	65 930	71 730
45	-	18 730	23 650	29 370	35 980	43 580	52 290	56 120	62 260	67 770
50	-	17 290	21 960	27 390	33 650	40 860	49 120	52 740	58 550	63 760
55	-	-	20 260	25 390	31 310	38 120	45 900	49 320	54 800	59 700
60	-	-	18 550	23 370	28 940	35 330	42 640	45 840	50 970	55 570
62	-	-	-	22 560	27 990	34 210	41 330	44 450	49 440	53 900

Power input [kW]

t_c \ t_e	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	6.97	7.67	8.30	8.82	9.21	9.42	9.43	9.37	9.20	8.98
35	7.37	8.19	8.93	9.59	10.12	10.51	10.70	10.71	10.66	10.55
40	7.75	8.67	9.53	10.32	11.00	11.54	11.91	12.00	12.07	12.06
45	-	9.11	10.09	11.00	11.82	12.52	13.06	13.23	13.42	13.51
50	-	9.51	10.60	11.64	12.60	13.45	14.16	14.40	14.70	14.89
55	-	-	11.07	12.23	13.32	14.32	15.20	15.51	15.92	16.21
60	-	-	11.50	12.78	14.00	15.14	16.17	16.55	17.07	17.45
62	-	-	-	12.98	14.26	15.45	16.55	16.95	17.51	17.93

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

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



