

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D3DA-500

Technical data

Nominal motor power [kW]:

Cylinder count: 3

Displacement [m³/h]: 32,2

Cylinder capacity [cm³]:

RPM [min⁻¹]: 1450

Weight [kg]: 165

Oil charge [dm³]: 3,4

Power supply [V/~/Hz]:

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	35	1 3/8"
Discharge line:	22	7/8"

R22**Cooling capacity [W]**

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20
25	2 160	3 160	4 400	5 940	7 820	10 120	12 950
30	1 860	2 810	3 980	5 430	7 220	9 400	12 090
35	1 570	2 460	3 570	4 940	6 620	8 690	11 230
40	-	2 110	3 160	4 450	6 030	7 980	10 390
45	-	1 770	2 750	3 960	5 450	7 290	9 550
50	-	-	2 350	3 490	4 890	6 610	8 740
55	-	-	1 970	3 030	4 330	5 940	7 940

Power input [kW]

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20
25	1.68	2.21	2.72	3.21	3.65	4.06	4.40
30	1.66	2.21	2.76	3.28	3.78	4.23	4.63
35	1.61	2.20	2.77	3.34	3.87	4.38	4.84
40	-	2.16	2.77	3.37	3.95	4.50	5.02
45	-	2.10	2.74	3.37	3.99	4.59	5.17
50	-	-	2.69	3.36	4.01	4.66	5.29
55	-	-	2.62	3.31	4.01	4.70	5.38

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

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



