

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D3DA-750

Technical data

Nominal motor power [kW]:	
Cylinder count:	3
Displacement [m ³ /h]:	32,2
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	163
Oil charge [dm ³]:	3,4
Power supply [V/~/Hz]:	

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	35	1 3/8"
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	9 560	12 430	15 790	19 690	24 210	29 410	35 390	38 020	42 240	46 030
35	8 830	11 570	14 780	18 510	22 820	27 780	33 490	35 990	40 020	43 630
40	8 120	10 730	13 790	17 340	21 440	26 170	31 590	33 970	37 800	41 230
45	-	9 920	12 820	16 190	20 090	24 570	29 700	31 960	35 580	38 820
50	-	9 160	11 910	15 090	18 770	23 000	27 850	29 980	33 390	36 450
55	-	-	11 040	14 040	17 500	21 480	26 030	28 030	31 230	34 100
60	-	-	10 230	13 040	16 270	19 990	24 250	26 110	29 100	31 770
62	-	-	-	12 650	15 800	19 420	23 550	25 360	28 260	30 850

Power input [kW]

t_c \ t_e	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	4.20	4.59	4.92	5.17	5.33	5.36	5.26	5.17	4.98	4.78
35	4.33	4.79	5.20	5.54	5.80	5.95	5.97	5.93	5.83	5.70
40	4.44	4.97	5.46	5.89	6.24	6.50	6.64	6.66	6.64	6.59
45	-	5.13	5.70	6.21	6.66	7.03	7.29	7.36	7.42	7.43
50	-	5.29	5.92	6.52	7.06	7.53	7.90	8.02	8.17	8.25
55	-	-	6.14	6.82	7.45	8.01	8.50	8.67	8.89	9.04
60	-	-	6.37	7.11	7.83	8.49	9.08	9.29	9.59	9.80
62	-	-	-	7.23	7.98	8.67	9.31	9.54	9.86	10.10

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



