

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

Model: D3DC-750

Technical data

Nominal motor power [kW]:	
Cylinder count:	3
Displacement [m ³ /h]:	38
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	170
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	-50	-45	-40	-35	-30	-25	-20
25	2 550	3 770	5 290	7 140	9 380	12 030	15 110
30	2 220	3 370	4 810	6 570	8 700	11 220	14 160
35	1 890	2 980	4 340	6 000	8 020	10 420	13 210
40	-	2 590	3 870	5 440	7 350	9 620	12 270
45	-	2 200	3 410	4 890	6 690	8 830	11 330
50	-	-	2 950	4 350	6 040	8 060	10 410
55	-	-	2 510	3 810	5 400	7 290	9 500

Power input [kW]

t_c \ t_e	-50	-45	-40	-35	-30	-25	-20
25	1.82	2.54	3.20	3.80	4.32	4.71	4.96
30	1.84	2.59	3.30	3.96	4.53	4.99	5.31
35	1.84	2.63	3.38	4.08	4.71	5.24	5.63
40	-	2.64	3.44	4.19	4.87	5.45	5.91
45	-	2.63	3.47	4.26	5.00	5.64	6.17
50	-	-	3.47	4.31	5.09	5.80	6.39
55	-	-	3.44	4.33	5.16	5.92	6.58

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

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



