

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DISCUS

Model: D2DL-750

Technical data

Nominal motor power [kW]:

Cylinder count:

2

Displacement [m³/h]:

23,7

Cylinder capacity [cm³]:

RPM [min⁻¹]:

1450

Weight [kg]:

145

Oil charge [dm³]:

2,3

Power supply [V/~/Hz]:

Connections

Suction line:

milimeters

35

inches

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	6 560	8 630	11 060	13 890	17 160	20 930	25 260	27 170	30 230	32 980
35	6 030	8 020	10 350	13 070	16 210	19 830	23 980	25 810	28 750	31 380
40	5 510	7 420	9 660	12 260	15 270	18 730	22 710	24 460	27 270	29 780
45	-	6 840	8 980	11 460	14 340	17 640	21 440	23 100	25 780	28 180
50	-	6 290	8 320	10 690	13 430	16 580	20 180	21 770	24 310	26 590
55	-	-	7 700	9 950	12 550	15 530	18 950	20 450	22 860	25 010
60	-	-	7 110	9 240	11 690	14 510	17 730	19 150	21 410	23 440
62	-	-	-	8 960	11 360	14 110	17 260	18 640	20 850	22 820

Power input [kW]

t_c \ t_e	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	2.81	3.14	3.44	3.68	3.86	3.95	3.96	3.93	3.85	3.74
35	2.90	3.29	3.64	3.95	4.19	4.37	4.45	4.46	4.44	4.38
40	2.98	3.42	3.83	4.19	4.51	4.76	4.93	4.97	5.00	5.00
45	-	3.53	4.00	4.43	4.81	5.13	5.38	5.46	5.54	5.58
50	-	3.64	4.16	4.65	5.09	5.49	5.82	5.93	6.06	6.15
55	-	-	4.31	4.86	5.37	5.83	6.24	6.38	6.57	6.70
60	-	-	4.47	5.07	5.64	6.17	6.65	6.82	7.06	7.23
62	-	-	-	5.15	5.74	6.30	6.81	6.99	7.25	7.44

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



