

Type: Semi-hermetic piston compressors

Producer: Copeland

Series: DL

Model: DLF-301

Technical data

Nominal motor power [kW]:	
Cylinder count:	2
Displacement [m ³ /h]:	12,9
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	86
Oil charge [dm ³]:	2,3
Power supply [V/~/Hz]:	

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	22	7/8"
Discharge line:	15	5/8"

R22

Cooling capacity [W]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	1 420	2 000	2 760	3 720	4 870	6 220	7 770	9 540	11 530	13 750	14 700	16 190	17 500
35	1 250	1 800	2 520	3 420	4 510	5 790	7 270	8 950	10 840	12 950	13 860	15 280	16 530
40	1 090	1 610	2 290	3 140	4 170	5 380	6 780	8 370	10 170	12 170	13 030	14 390	15 580
45	940	1 420	2 060	2 860	3 830	4 980	6 300	7 810	9 510	11 410	12 220	13 510	14 640
50	800	1 250	1 850	2 600	3 510	4 590	5 840	7 260	8 870	10 660	11 430	12 650	13 720
55	660	1 090	1 650	2 350	3 210	4 220	5 390	6 730	8 240	9 930	10 660	11 810	12 820
60	-	-	1 460	2 120	2 910	3 860	4 950	6 210	7 630	9 220	9 900	-	-
62	-	-	1 390	2 020	2 800	3 720	4 790	6 010	7 390	8 940	9 610	-	-

Power input [kW]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10	12.5
30	1.23	1.44	1.65	1.86	2.05	2.23	2.37	2.46	2.51	2.49	2.46	2.40	2.32
35	1.22	1.44	1.67	1.91	2.13	2.34	2.51	2.65	2.74	2.76	2.76	2.72	2.67
40	1.19	1.43	1.69	1.95	2.20	2.43	2.64	2.82	2.95	3.02	3.03	3.03	3.00
45	1.17	1.42	1.69	1.97	2.25	2.52	2.76	2.97	3.14	3.26	3.29	3.31	3.31
50	1.14	1.40	1.69	1.99	2.30	2.59	2.86	3.11	3.32	3.48	3.53	3.58	3.60
55	1.10	1.38	1.69	2.01	2.33	2.65	2.96	3.24	3.48	3.68	3.75	3.83	3.88
60	-	-	1.68	2.01	2.36	2.71	3.04	3.35	3.63	3.87	3.95	-	-
62	-	-	1.67	2.02	2.37	2.72	3.07	3.39	3.69	3.94	4.03	-	-

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



