

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

Model: DLL-30 X

Technical data

Nominal motor power [kW]:	
Cylinder count:	2
Displacement [m ³ /h]:	18,2
Cylinder capacity [cm ³]:	
RPM [min ⁻¹]:	1450
Weight [kg]:	91
Oil charge [dm ³]:	2,3
Power supply [V/~/Hz]:	

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	28	1 1/8"
Discharge line:	15	5/8"

R134a

Cooling capacity [W]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	3 880	5 090	6 530	8 230	10 210	12 520	13 540	15 170	16 640
35	3 540	4 690	6 050	7 650	9 540	11 730	12 700	14 250	15 650
40	3 200	4 290	5 570	7 090	8 870	10 940	11 860	13 330	14 660
45	2 870	3 900	5 110	6 530	8 210	10 150	11 020	12 410	13 660
50	2 550	3 520	4 660	5 990	7 550	9 380	10 180	11 490	12 660
55	2 240	3 150	4 210	5 460	6 910	8 600	9 350	10 570	11 660
60	1 930	2 800	3 790	4 930	6 270	7 830	8 530	9 640	-
62	1 810	2 660	3 620	4 730	6 020	7 530	8 200	9 270	-

Power input [kW]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	1.77	1.96	2.13	2.27	2.39	2.48	2.50	2.52	2.53
35	1.81	2.03	2.24	2.43	2.60	2.74	2.78	2.84	2.87
40	1.85	2.10	2.35	2.58	2.79	2.98	3.05	3.14	3.21
45	1.88	2.16	2.44	2.72	2.98	3.22	3.31	3.43	3.53
50	1.90	2.21	2.53	2.84	3.15	3.44	3.55	3.72	3.84
55	1.92	2.25	2.60	2.96	3.31	3.65	3.79	3.98	4.14
60	1.93	2.28	2.66	3.05	3.45	3.85	4.01	4.24	-
62	1.93	2.29	2.68	3.09	3.51	3.92	4.09	4.34	-

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

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

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
20	1 440	2 240	3 210	4 400	5 810	7 470	9 410
25	1 160	1 920	2 850	3 980	5 320	6 890	8 730
30	870	1 600	2 490	3 550	4 810	6 300	8 040
35	-	1 290	2 120	3 120	4 310	5 710	7 340
40	-	980	1 760	2 690	3 800	5 100	6 630
45	-	-	1 400	2 270	3 290	4 500	5 920
50	-	-	1 050	1 850	2 790	3 900	5 200
55	-	-	-	1 440	2 290	3 300	4 490

Power input [kW]

$t_c \setminus t_e$	-50	-45	-40	-35	-30	-25	-20
20	1.21	1.48	1.75	2.03	2.29	2.54	2.77
25	1.13	1.43	1.74	2.05	2.35	2.65	2.93
30	1.03	1.36	1.70	2.05	2.39	2.74	3.07
35	-	1.26	1.64	2.03	2.42	2.81	3.19
40	-	1.15	1.56	1.98	2.42	2.85	3.29
45	-	-	1.45	1.91	2.39	2.88	3.37
50	-	-	1.31	1.82	2.34	2.88	3.42
55	-	-	-	1.70	2.26	2.85	3.45

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

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



