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

Model: DLHA-50 X

Technical data

Nominal motor power [kW]:	
Cylinder count:	2
Displacement [m³/h]:	26,6
Cylinder capacity [cm³]:	
RPM [min^{-1}]:	1450
Weight [kg]:	101
Oil charge [dm³]:	1,6
Power supply [V/~/Hz]:	

Connections

	milimeters	inches
Suction line:	28	1 1/8"
Discharge line:	22	7/8"

R134a

Cooling capacity [W]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	6 030	7 750	9 800	12 230	15 080	18 400	19 870	22 240	24 370
35	5 580	7 220	9 180	11 480	14 190	17 350	18 740	20 990	23 010
40	5 140	6 700	8 550	10 740	13 300	16 280	17 600	19 730	21 650
45	4 700	6 180	7 940	10 000	12 410	15 220	16 470	18 480	20 290
50	4 270	5 680	7 330	9 260	11 530	14 170	15 340	17 230	18 940
55	3 860	5 190	6 740	8 540	10 660	13 130	14 220	16 000	17 590
60	3 470	4 720	6 160	7 850	9 810	12 110	13 130	14 780	-
62	3 330	4 540	5 940	7 570	9 480	11 700	12 690	-	-

Power input [kW]

t_c \ t_e	-20	-15	-10	-5	0	5	7	10	12.5
30	2.59	2.86	3.10	3.32	3.50	3.63	3.66	3.69	3.70
35	2.65	2.96	3.25	3.52	3.76	3.96	4.02	4.10	4.14
40	2.70	3.05	3.39	3.71	4.00	4.26	4.35	4.47	4.56
45	2.74	3.12	3.50	3.87	4.22	4.55	4.66	4.83	4.95
50	2.77	3.18	3.60	4.02	4.43	4.81	4.96	5.16	5.32
55	2.79	3.23	3.69	4.15	4.61	5.06	5.23	5.47	5.67
60	2.80	3.27	3.77	4.27	4.78	5.28	5.48	5.77	-
62	2.80	3.28	3.79	4.32	4.85	5.37	5.58	-	-

Operating conditions: suction gas temperature 25ºC + additional cooling
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]

R404A/R507

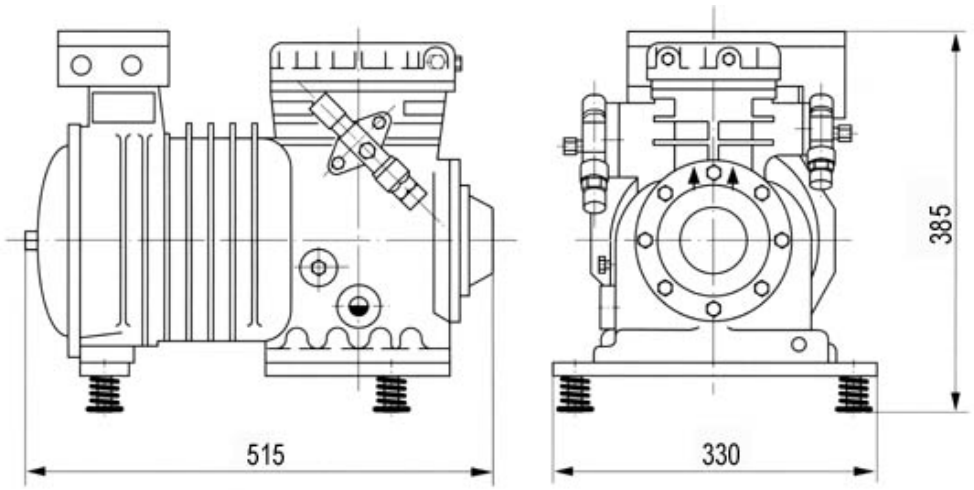
Cooling capacity [W]

t_c \ t_e	-40	-35	-30	-25	-20	-15	-10	-5
25	4 660	6 140	7 910	9 990	12 440	15 300	18 620	22 430
30	4 240	5 650	7 320	9 290	11 600	14 310	17 440	-
35	3 820	5 150	6 720	8 570	10 740	13 270	-	-
40	3 390	4 640	6 100	7 820	9 830	12 190	-	-
45	2 950	4 110	5 450	7 040	8 900	-	-	-
50	-	3 560	4 790	6 230	7 930	-	-	-
55	-	-	4 100	5 400	6 920	-	-	-

Power input [kW]

t_c \ t_e	-40	-35	-30	-25	-20	-15	-10	-5
25	2.89	3.35	3.79	4.20	4.57	4.89	5.14	5.30
30	2.91	3.42	3.92	4.39	4.83	5.21	5.54	-
35	2.92	3.47	4.02	4.55	5.05	5.51	-	-
40	2.91	3.50	4.10	4.69	5.25	5.77	-	-
45	2.86	3.50	4.15	4.79	5.41	-	-	-
50	-	3.47	4.16	4.85	5.53	-	-	-
55	-	-	4.14	4.88	5.61	-	-	-

Operating conditions: suction gas temperature 25ºC + additional cooling
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]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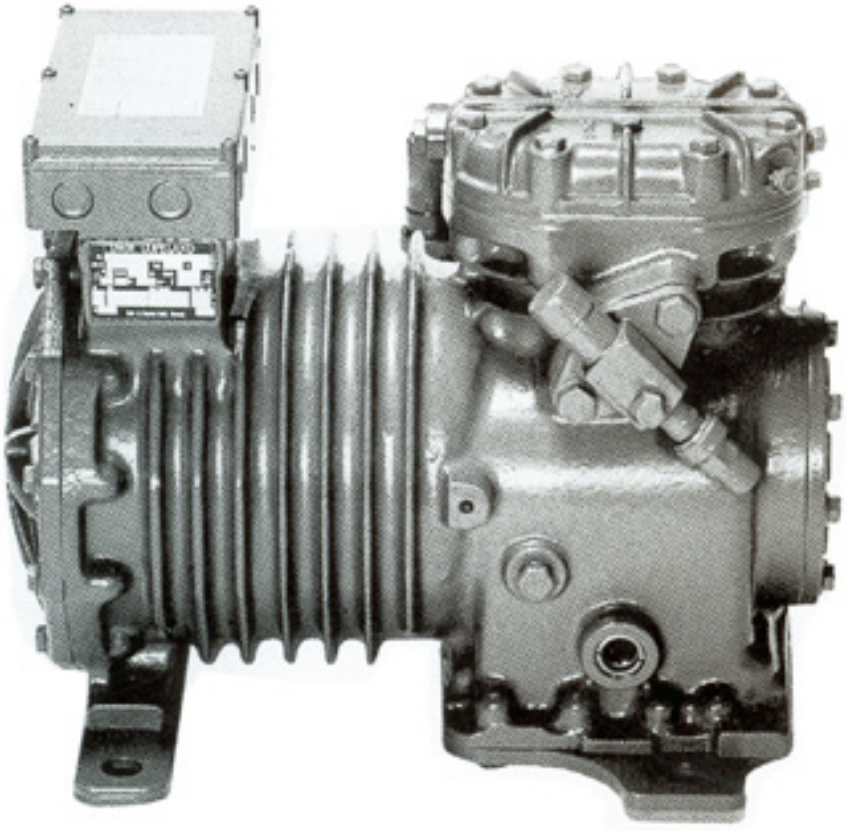
Model: DLHA-50 X

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