

HCA & HCB CONDENSER SERIES

General features:

The high efficient coils are made of high quality inner-grooved copper tubes $\varnothing 9.52$ mm and special profile aluminium ins. Heat exchangers are supplied clean and tested under a pressure of 30 bars.

Casing:

Galvanized steel (on customer's request), highly anti-corrosion strength, impact resistance, and does not produce polluting debris.

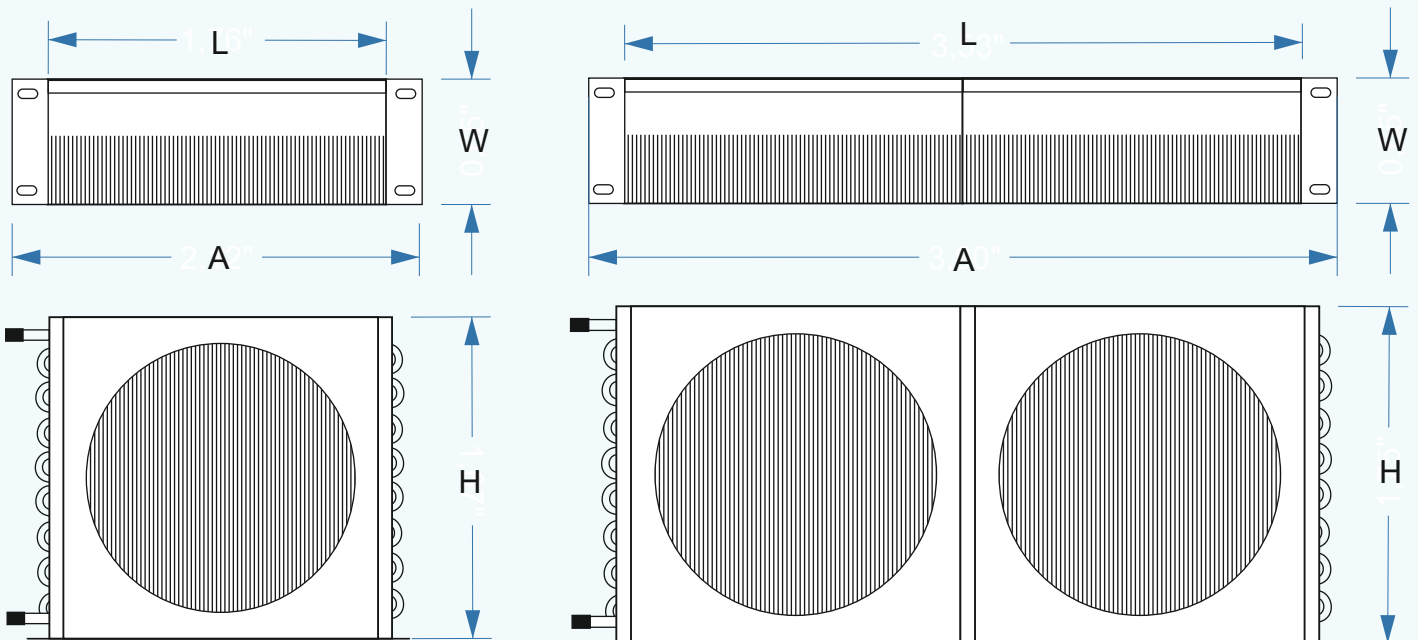
Fan motors (optional):

Optional high quality EBM axial fan motors with K-Grid or Weiguang shaded pole motors with high safety standards fitted well to the unit casing.

Inner-Grooved Copper Tubing:

The inside surface of copper tubing is grooved with inner slots to enlarge the contact surface area—increasing heat efficiency exchange by 10-12%.

Supported to the casing by means of a "floating" system that avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.



QUICK SELECTION TABLES

Cooling capacities as given in the tables are nominal capacities

Standard condition	SC15
Air inlet temp. (°C)	25
Condensing temp. (°C)	40
Superheating	25



HCA CONDENSER SERIES

Model	Tubes N°	Capacity		Fin Spacing (mm)	Surface/ (m ²)	Ventilator		Dimensions mm				Connection (ø mm)	
		DT1=15K				N° × Ø (mm)	Air Flow (m ³ /h)	A	H	W	L	Inlet	Outlet
		HP	kw										
HCA-82	8 × 2	1/5	0.64	3.5	1.2	1 × 200	380	280	245	100	240	3/8"	3/8"
HCA-83	8 × 3	1/4	0.92	3.5	1.8	1 × 200	350	280	245	125	240	3/8"	3/8"
HCA-84	8 × 4	1/4	1.06	3.5	2.3	1 × 200	310	280	245	150	240	3/8"	3/8"
HCA-92	9 × 2	1/4	1.01	3.5	1.6	1 × 250	600	310	285	100	270	3/8"	3/8"
HCA-93	9 × 3	1/3	1.35	3.5	2.2	1 × 250	520	310	285	125	270	3/8"	3/8"
HCA-94	9 × 4	3/8	1.53	3.5	2.9	1 × 250	450	310	285	150	270	3/8"	3/8"
HCA-103	10 × 3	1/3	1.48	3.5	2.4	1 × 250	550	310	285	125	270	3/8"	3/8"
HCA-104	10 × 4	3/8	1.71	3.5	3.2	1 × 250	500	310	285	150	270	3/8"	3/8"
HCA-114	11 × 4	1/2	1.99	3.5	3.9	1 × 250	560	340	290	150	300	3/8"	3/8"
HCA-124A	12 × 4	1/2	2.00	3.5	4.3	1 × 250	600	340	315	150	300	5/8"	1/2"
HCA-124B	12 × 4	5/8	3.22	3.5	5.0	1 × 300	1050	420	365	150	350	5/8"	1/2"
HCA-143	14 × 3	5/8	3.05	3.5	4.4	1 × 300	1250	420	365	150	350	5/8"	1/2"
HCA-144	14 × 4	5/8	3.67	3.5	5.8	1 × 300	1150	420	365	150	350	5/8"	1/2"
HCA-145	14 × 5	3/4	3.47	3.5	7.3	1 × 300	1050	420	365	175	350	3/4"	5/8"
HCA-163	16 × 3	7/8	5.07	3.5	6.1	1 × 350	2250	500	420	150	430	5/8"	1/2"
HCA-164A	16 × 4	1	5.80	3.5	8.1	1 × 350	2050	500	420	150	430	3/4"	5/8"
HCA-164B	16 × 4	1.25	6.77	3.5	8.5	1 × 400	2500	520	465	200	450	3/4"	5/8"
HCA-165	16 × 5	1.5	7.25	3.5	10.7	1 × 400	2250	520	465	200	450	3/4"	5/8"
HCA-185	18 × 5	1.75	8.98	3.5	13.3	1 × 400	2650	570	465	200	500	3/4"	5/8"
HCA-104D	10 × 4	7/8	5.51	3.5	6.4	2 × 250	960	610	285	150	540	5/8"	1/2"
HCA-114D	11 × 4	7/8	6.64	3.5	7.8	2 × 250	1120	670	290	150	600	5/8"	1/2"
HCA-124D	12 × 4	1.25	10.40	3.5	9.9	2 × 300	2100	770	365	150	700	3/4"	5/8"
HCA-100S	14 × 3	1.5	7.71	2.5	11.8	2 × 300	2160	770	365	150	700	5/8"	1/2"
HCA-150K	14 × 4	1.8	7.41	2.5	15.8	2 × 300	1900	770	365	150	700	3/4"	5/8"
HCA-200L	16 × 3	2	11.19	2.5	15.5	2 × 350	3600	870	420	150	800	5/8"	1/2"
HCA-200S	18 × 3	2.5	12.34	2.5	17.4	2 × 350	3900	870	470	200	800	5/8"	1/2"
HCA-300S	18 × 4	3	13.44	2.5	23.2	2 × 350	3500	870	470	200	800	3/4"	5/8"
HCA-400E	20 × 4	3.5	17.11	2.5	34.6	2 × 350	4400	1145	520	200	1075	1-1/8"	3/4"
HCA-400S	20 × 4	4	19.77	2.5	34.6	2 × 400	5300	1145	520	200	1075	1-1/8"	7/8"
HCA-500T	22 × 5	5	22.06	2.5	47.6	2 × 400	5200	1145	600	230	1075	1-3/8"	7/8"
HCA-500S	22 × 5	7.5	26.36	2.5	47.6	2 × 450	6500	1145	600	230	1075	1-3/8"	7/8"
HCA-600T	22 × 5	9	32.67	2.5	57.0	2 × 500	8200	1260	600	230	1190	1-3/8"	7/8"
HCA-285	28 × 5	10	40.84	2.5	67.0	2 × 500	10200	1260	742	230	1190	1-3/8"	7/8"
HCA-286	28 × 6	15	64.73	2.5	101.4	2 × 630	15000	1570	742	400	1500	1-3/8"	7/8"

HCB CONDENSER SERIES

Model	Tubes N°	Capacity	Fin Spacing (mm)	Surface/ (m ²)	Ventilator		Dimensions (mm)				Connection/ (ø mm)	
		DT1=15K			N° x Ø (mm)	Air Flow (m ³ /h)	A	H	W	L	Inlet	Outlet
		kw										
HCB-1/4HP	2 x 11	1.46	3.17	2.1	1 x 250	720	360	281	102	300	3/8"	3/8"
HCB-1/3HP	3 x 10	1.40	3.17	2.9	1 x 250	550	380	270	120	300	3/8"	3/8"
HCB-1/2HP	4 x 10	1.66	3.17	3.8	1 x 250	490	380	270	140	290	3/8"	3/8"
HCB-3/4HP	4 x 12	3.23	3.17	5.4	1 x 300	980	450	370	152	350	3/8"	3/8"
HCB-1HP	4 x 14	4.14	3.17	7.3	1 x 300	1180	490	370	152	400	1/2"	3/8"
HCB-1.5HP	4 x 16	7.13	3.17	10.4	1 x 350	2100	600	422	182	500	1/2"	3/8"
HCB-2HP	4 x 18	9.91	3.17	14.0	1 x 400	2950	690	473	182	600	1/2"	3/8"
HCB-2.5HP	5 x 18	10.71	3.17	17.5	1 x 400	2750	710	473	200	600	5/8"	1/2"
HCB-3HP	6 x 18	11.19	3.17	21.0	1 x 400	2600	710	473	234	600	5/8"	1/2"
HCB-4HP	6 x 22	12.65	3.17	25.7	1 x 400	2900	710	575	234	600	5/8"	1/2"
HCB-5HP	4 x 30	20.94	2.83	34.5	1 x 450	5650	910	780	215	800	5/8"	1/2"
HCB-1HPCD	4 x 10	2.24	3.17	6.5	2 x 200	560	590	270	140	500	3/8"	3/8"
HCB-1.5HPCD	4 x 11	4.34	3.17	9.4	2 x 250	1120	737	305	140	660	1/2"	3/8"
HCB-2HPCD	4 x 12	7.71	3.17	12.4	2 x 300	2140	900	370	152	800	1/2"	3/8"
HCB-3HPCD	4 x 16	14.09	2.83	23.0	2 x 350	3800	1110	420	182	1000	5/8"	1/2"
HCB-4HPCD	4 x 20	16.74	2.83	28.7	2 x 350	4400	1110	525	182	1000	5/8"	1/2"
HCB-5HPCD	4 x 24	21.49	2.83	34.5	2 x 400	5800	1110	625	195	1000	5/8"	1/2"
HCB-6HPCD	4 x 26	24.85	2.83	44.8	2 x 400	6500	1310	680	195	1200	5/8"	1/2"
HCB-7.5HPCD	4 x 32	37.81	2.83	55.2	2 x 450	10500	1310	830	215	1200	7/8 "	5/8"
HCB-10HPCD	4 x 32	51.62	2.83	73.6	2 x 500	14400	1710	830	230	1600	1-1/8"	7/8"
HCB-12HPCD	4 x 36	78.58	2.83	82.8	2 x 630	25000	1710	928	230	1600	1-1/8"	7/8"
HCB-15HPCD	4 x 36	86.18	2.83	93.1	2 x 630	27000	1910	928	230	1800	1-1/8"	7/8"
HCB-18HPCD	4 x 36	77.23	2.54	113.1	3 x 500	21000	2090	928	230	1980	1-1/8"	7/8"
HCB-20HPCD	4 x 42	79.40	2.83	123.4	2 x 710	21600	2110	1075	227	2044	1-3/8"	1-1/8"
HCB-25HPCD	4 x 42	82.43	2.83	132.8	2 x 710	22000	2310	1075	227	2200	1-3/8"	1-1/8"