

CONDENSER QUICK SELECTION TABLES

CONDENSADORES TABLA DE SELECCIÓN RÁPIDA

Cooling capacities as given in the tables are nominal capacities in compliance with Eurovent regulations and **EN327**.

Las capacidades de refrigeración indicadas en las tablas son capacidades nominales en conformidad con las normas Eurovent y **EN327**.

Air inlet temp. / Temperatura de entrada de aire (°C)	Temperature difference(DT1)(K) / Diferencia de temperatura(DT1)(K)	Subcooling temperature(K) / Temperatura de subenfria- miento(K)
35	15	≤3

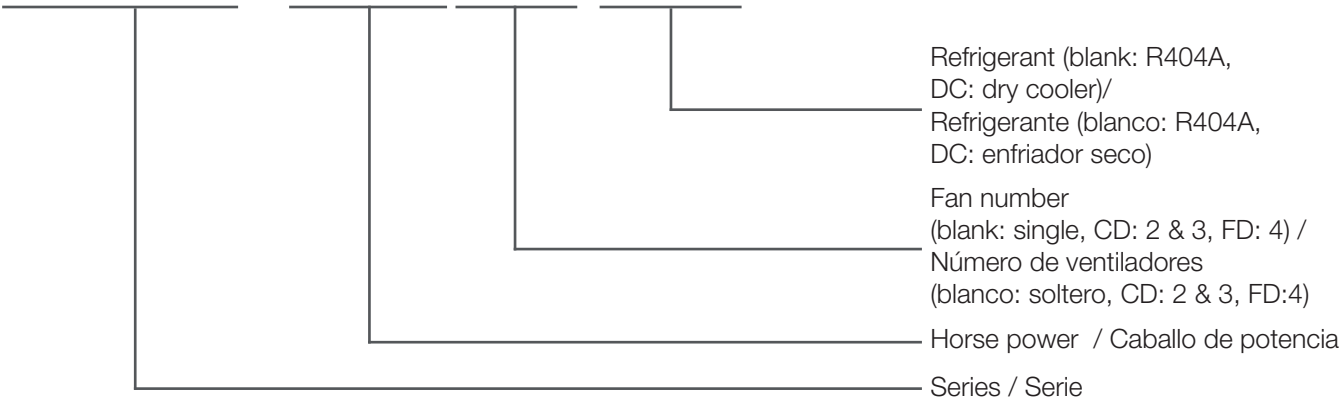
All nominal capacities are calculated with R404A. To get capacity with other refrigerants, multiply by the following correction factors R404A capacity in the same condition:

Todas las capacidades nominales se calculan con R404A. Para obtener capacidad con otros refrigerantes, multiplique por los siguientes factores de corrección la capacidad de R404A en la misma condición:

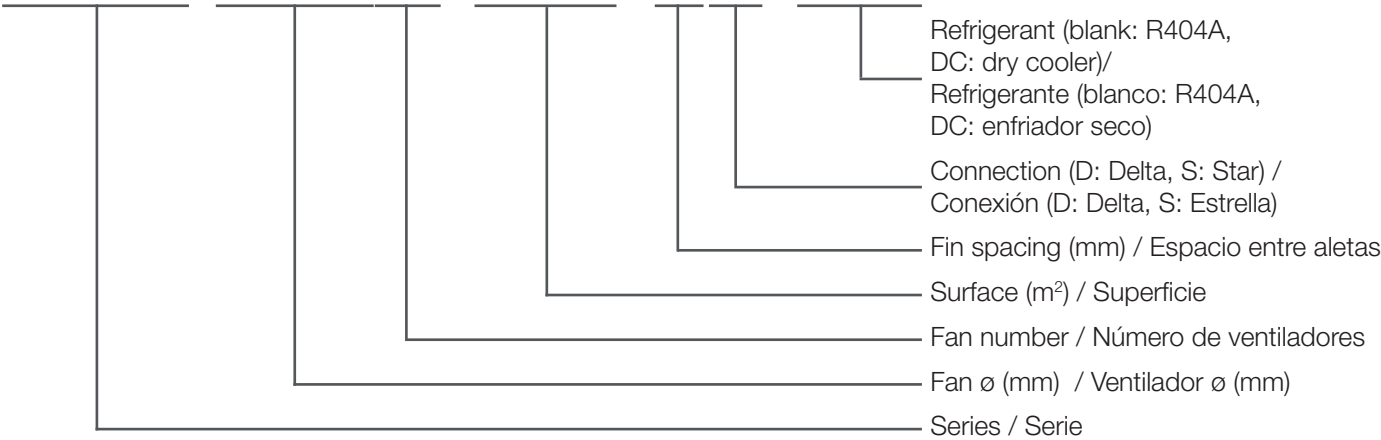
Refrigerant Refrigerante	Correction factors (dew-point) Factor de corrección (punto de rocío)
	SC15
R507A	1.00
R134a	0.96
R513A	0.94
R450a	0.89
R407F	0.89
R407A	0.89
R448A	1.01
R449A	1.01
R452A	1.00

CONDENSER SERIES
SERIE DE CONDENSADORES

HCBS-1HPCD DC



HCV 6303-309-4D DC



GENERAL FEATURES

CARACTERÍSTICAS GENERALES

High efficient coils:/ Bobinas de alta eficiencia:

The high efficient coils are made of high quality inner-grooved copper tubes $\varnothing 7$ mm(HCBS) or $\varnothing 9.52$ mm(HCV,HCH) and special profile aluminium fins. Heat exchangers are supplied clean and tested under a pressure of 30 bars.

Las bobinas de alta eficiencia están hechas de tubos de cobre con ranuras internas de alta calidad de $\varnothing 7$ mm(HCBS) o $\varnothing 9.52$ mm(HCV,HCH) y aletas de aluminio de perfil especial. Los intercambiadores de calor se suministran limpios y probados bajo una presión de 30 bares.

Casing:/ Carcasa:

Galvanized steel, highly anti-corrosion strength, impact resistance, and does not produce polluting debris.

Acero galvanizado, alta resistencia a la corrosión, resistencia al impacto y no produce residuos contaminantes.

Series	HCAS	HCBS	HCH	HCV
Coated/Recubierta	no	black	white	white

Coated on customer's request. / Recubierto a petición del cliente.

Fan motors:/ Ventiladores:

High quality axial fan motors with high safety standards fitted well to the unit casing with an anti-vibration system.

Los ventiladores con motor axial de alta calidad con altos estándares de seguridad se ajustan bien a la carcasa de la unidad con un sistema antivibraciones.

Series	EBM	Maer	Ziehl-Abegg	Weiguang
HCAS*	K			S
HCBS*	K	K		S
HCH			Z	
HCV		L	L,Z	

K: K-grid./ Grilla tipo K.

L: Long-Nozzle, can only be used on the series of $\varnothing 500$ mm, $\varnothing 550$ mm, $\varnothing 630$ mm, $\varnothing 800$ mm./ Tobera larga, solo puede ser utilizada en las series de $\varnothing 500$ mm, $\varnothing 550$ mm, $\varnothing 630$ mm y $\varnothing 800$ mm.

Z: Ziehl-Abegg ZN, can only be used on the series of $\varnothing 630$ mm, $\varnothing 800$ mm./ Ziehl-Abegg ZN, solo puede ser utilizada en series de $\varnothing 630$ mm y $\varnothing 800$ mm.

S: Shaded pole motors./ Ventiladores de polo sombreado.

*Fan motors are optional./ Los ventiladores son opcionales.

Inner-Grooved Copper Tubing:/ Tubo de cobre con ranura interna:

The inside surface of copper tubing is grooved with inner slots to enlarge the contact surface area—increasing heat efficiency exchange by 10-12%. La superficie interior de los tubos de cobre tiene ranuras internas para agrandar el área de superficie de contacto, lo que aumenta el intercambio de eficiencia de calor en un 10-12%.

Blue Fin Coating:/ Revestimiento de aleta azul:

On outdoor units, Blue Fin coating helps protect the parts from corrosion.

En las unidades exteriores, el revestimiento de aleta azul ayuda a proteger las piezas de la corrosión.

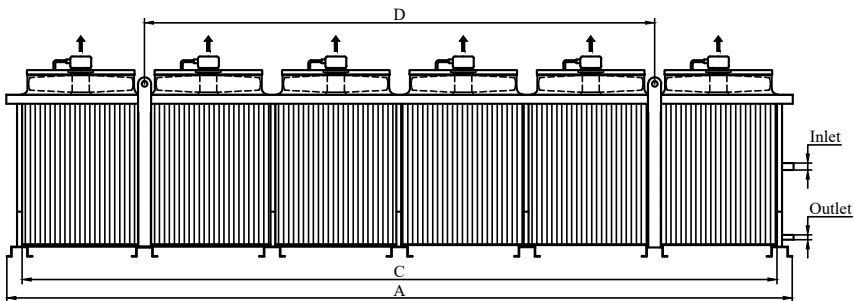
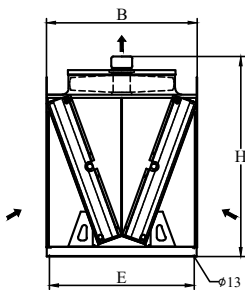
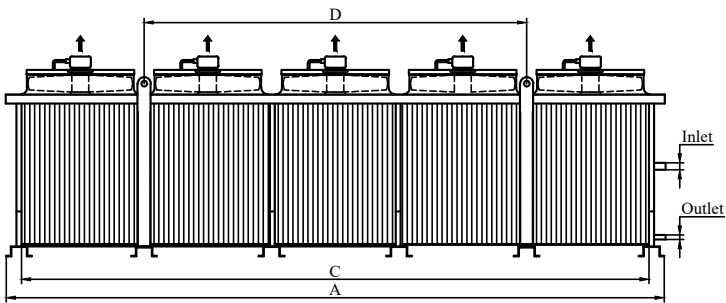
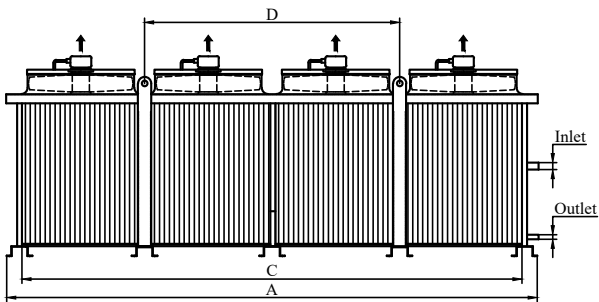
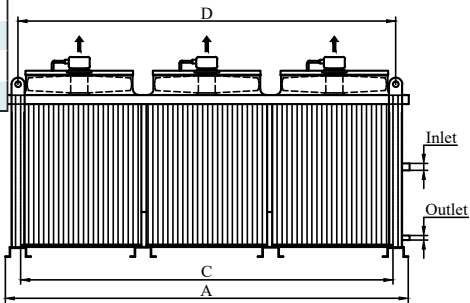
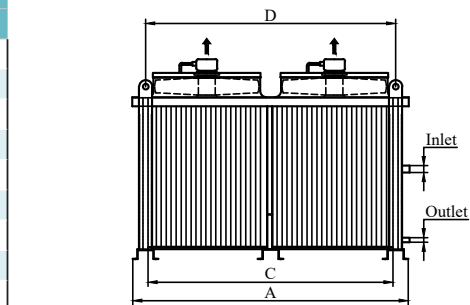
Supported to the casing by means of a "floating" system that avoids any kind of contact between the copper tubes and the supporting end plates, assuring a long life for the condenser without leaks.

Se apoya en la carcasa mediante un sistema "flotante" que evita cualquier tipo de contacto entre los tubos de cobre y las placas terminales de soporte, asegurando una larga vida útil del condensador sin fugas.

HCV CONDENSER SERIES

CONDENSADOR SERIE HCV

Model / Modelo	Dimensions/Dimensiones(mm)					
	A	B	C	D	E	H
HCV 5002...	1446	781	1320	1350	720	859
HCV 5003...	2121	781	1995	2025	720	859
HCV 5004...	2796	781	2670	2700	720	859
HCV 5005...	3471	781	3345	3375	720	859
HCV 5006...	4146	781	4020	4050	720	859
HCV6303...	2434	912	2250	2280	865	1210
HCV6304...	3204	912	3020	1540	865	1210
HCV6305...	3974	912	3790	2310	865	1210
HCV6306...	4744	912	4560	3080	865	1210
HCV8002...	2256	1150	2070	2100	1113	1435
HCV8003...	3306	1150	3120	3150	1113	1435
HCV8004...	4356	1150	4170	2100	1113	1435
HCV8005...	5406	1150	5220	3150	1113	1435
HCV8006...	6456	1150	6270	4200	1113	1435



HCV CONDENSER SERIES

CONDENSADOR SERIE HCV

Model / Modelo	Capacidad Nominal Capacity	Capacity / Capacidad	Sound Pressure Level	Fin Spa- cing Es- pacio entre aletas (mm)	Surfa- ce/ Super- ficie (m²)	Inner volume/ Volu- men interior (dm³)	Ventilator Ventilador					Connection/ Conexión (ø mm)		N.W/ Peso Neto (kg)
	DT1=15K	DT1=15K	dist=10m				Nº xΦ (mm)	Pole- Con- nection	Power/ Poder (kW)	Cu- rrent/ Co- rriente (A)	Air Flow/ Flujo de aire (m³/h)	Inlet/ Entra- da	Out- let/ Salida	
	KW	kw	dBA											
HCV 6302 206-4D	98.96	86.05	55	2.1	206	27.20	2 × 630	4P-Δ	2.20	4.40	24364	2×28	2×22	242
HCV 6302 206-4S	80.88	70.33	52	2.1	206	27.20	2 × 630	4P-Y	1.30	2.50	18713	2×28	2×22	242
HCV 6302 206-6D	88.41	76.88	48	2.1	206	27.20	2 × 630	6P-Δ	1.45	3.50	20993	2×28	2×22	242
HCV 6302 206-6S	77.81	67.66	45	2.1	206	27.20	2 × 630	6P-Y	1.11	1.90	17816	2×28	2×22	242
HCV 6302 258-4D	107.40	93.39	55	2.1	258	34.00	2 × 630	4P-Δ	2.20	4.40	23951	2×28	2×22	261
HCV 6302 258-4S	85.71	74.53	52	2.1	258	34.00	2 × 630	4P-Y	1.30	2.50	18143	2×28	2×22	261
HCV 6302 258-6D	94.45	82.13	48	2.1	258	34.00	2 × 630	6P-Δ	1.45	3.50	20416	2×28	2×22	261
HCV 6302 258-6S	82.20	71.48	45	2.1	258	34.00	2 × 630	6P-Y	1.11	1.90	17266	2×28	2×22	261
HCV 6303 309-4D	148.67	129.28	56	2.1	309	43.90	3 × 630	4P-Δ	3.30	6.60	36557	2×35	2×22	349
HCV 6303 309-4S	121.45	105.61	53	2.1	309	43.90	3 × 630	4P-Y	1.95	3.80	28090	2×35	2×22	349
HCV 6303 309-6D	132.80	115.48	49	2.1	309	43.90	3 × 630	6P-Δ	2.18	5.20	31510	2×35	2×22	349
HCV 6303 309-6S	116.84	101.60	46	2.1	309	43.90	3 × 630	6P-Y	1.67	2.90	26742	2×35	2×22	349
HCV 6303 387-4D	159.83	138.98	56	2.1	387	55.10	3 × 630	4P-Δ	3.30	6.60	35947	2×35	2×22	377
HCV 6303 387-4S	128.11	111.40	53	2.1	387	55.10	3 × 630	4P-Y	1.95	3.80	27235	2×35	2×22	377
HCV 6303 387-6D	140.93	122.55	49	2.1	387	55.10	3 × 630	6P-Δ	2.18	5.20	30646	2×35	2×22	377
HCV 6303 387-6S	122.99	106.95	46	2.1	387	55.10	3 × 630	6P-Y	1.67	2.90	25919	2×35	2×22	377
HCV 6304 415-4D	198.79	172.86	64	2.1	415	59.86	4 × 630	4P-Δ	4.40	8.80	48773	2×42	2×28	456
HCV 6304 415-4S	162.45	141.26	61	2.1	415	59.86	4 × 630	4P-Y	2.60	5.00	37507	2×42	2×28	456
HCV 6304 415-6D	177.62	154.45	57	2.1	415	59.86	4 × 630	6P-Δ	2.90	7.00	42069	2×42	2×28	456
HCV 6304 415-6S	156.27	135.89	54	2.1	415	59.86	4 × 630	6P-Y	2.23	3.90	35708	2×42	2×28	456
HCV 6304 519-4D	215.69	187.56	64	2.1	519	74.04	4 × 630	4P-Δ	4.40	8.80	47985	2×42	2×28	493
HCV 6304 519-4S	172.06	149.62	61	2.1	519	74.04	4 × 630	4P-Y	2.60	5.00	36369	2×42	2×28	493
HCV 6304 519-6D	189.65	164.91	57	2.1	519	74.04	4 × 630	6P-Δ	2.90	7.00	40883	2×42	2×28	493
HCV 6304 519-6S	165.01	143.49	54	2.1	519	74.04	4 × 630	6P-Y	2.23	3.90	34617	2×42	2×28	493
HCV 6305 521-4D	245.94	213.86	65	2.1	521	74.14	5 × 630	4P-Δ	5.50	11.00	60989	2×54	2×35	561
HCV 6305 521-4S	202.12	175.76	62	2.1	521	74.14	5 × 630	4P-Y	3.25	6.30	46925	2×54	2×35	561
HCV 6305 521-6D	220.54	191.77	58	2.1	521	74.14	5 × 630	6P-Δ	3.63	8.70	52628	2×54	2×35	561
HCV 6305 521-6S	194.60	169.22	55	2.1	521	74.14	5 × 630	6P-Y	2.79	4.90	44673	2×54	2×35	561
HCV 6305 652-4D	267.71	232.79	65	2.1	652	93.92	5 × 630	4P-Δ	5.50	11.00	60022	2×54	2×35	607
HCV 6305 652-4S	214.53	186.55	62	2.1	652	93.92	5 × 630	4P-Y	3.25	6.30	45502	2×54	2×35	607
HCV 6305 652-6D	235.90	205.13	58	2.1	652	93.92	5 × 630	6P-Δ	3.63	8.70	51151	2×54	2×35	607
HCV 6305 652-6S	206.00	179.13	55	2.1	652	93.92	5 × 630	6P-Y	2.79	4.90	43314	2×54	2×35	607
HCV 6306 627-4D	299.01	260.01	66	2.1	627	90.46	6 × 630	4P-Δ	6.60	13.20	73205	2×54	2×35	667
HCV 6306 627-4S	244.42	212.54	63	2.1	627	90.46	6 × 630	4P-Y	3.90	7.50	56342	2×54	2×35	667
HCV 6306 627-6D	267.26	232.40	59	2.1	627	90.46	6 × 630	6P-Δ	4.36	10.40	63187	2×54	2×35	667
HCV 6306 627-6S	235.12	204.45	56	2.1	627	90.46	6 × 630	6P-Y	3.34	5.80	53638	2×54	2×35	667
HCV 6306 784-4D	324.45	282.13	66	2.1	784	111.78	6 × 630	4P-Δ	6.60	13.20	72059	2×54	2×35	722
HCV 6306 784-4S	258.80	225.04	63	2.1	784	111.78	6 × 630	4P-Y	3.90	7.50	54636	2×54	2×35	722
HCV 6306 784-6D	285.07	247.89	59	2.1	784	111.78	6 × 630	6P-Δ	4.36	10.40	61418	2×54	2×35	722
HCV 6306 784-6S	248.24	215.86	56	2.1	784	111.78	6 × 630	6P-Y	3.34	5.80	52011	2×54	2×35	722