

# 2024 HISPANIA CATALOGUE<sup>50Hz</sup>

CONDENSERS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                  |
| <b>MACHINERY DIRECTIVE,<br/>ELECTROMAGNETIC COMPATIBILITY DIRECTIVE<br/>ATTESTATION OF CONFORMITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                  |
| Technical file of the company mentioned below has been inspected and found to have complied successfully                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                  |
| 2004/42/EC Machinery Directive has been and 2014/30/EU Electromagnetic Compatibility has been taken as reference for these products.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                  |
| Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | : <b>TAIHOU HISPANIA REFRIGERATION EQUIPMENT CO., LTD</b>                                                                                                                                                                                        |
| Company Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | : B-10 Taihou Economic Zone, Jiangsu, China                                                                                                                                                                                                      |
| Related Directives and Annex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | : <b>2004/42/EC Machinery Directive / Annex VII<br/>2014/30/EU Electromagnetic Compatibility Directive / Annex II</b>                                                                                                                            |
| Related Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : EN ISO 12000-2:2010; EN IEC 41000-4-2:2019<br>EN 10000-4-3:2021; EN 62004-1:2018                                                                                                                                                               |
| Product Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | : <b>UNIT AIR COOLER</b>                                                                                                                                                                                                                         |
| Report No and Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : ZNC23T21P0001 ; ZNC23T21P0004                                                                                                                                                                                                                  |
| Product Brand/Model/Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | : HEA, HEB, HEC, HED, HEF, HEJ, HER, HEV, HEW, HEF, NEA, NEB, NEC, NED, NEH, NEK, NEW, NEY, NEZ, NEF, AEA, AEB, AEF, AEF, AES, AEV, ADW, ADF, ACF, CBA, CBG, CEI, CED, CEJ, CER, CEV, CEW, CEF, GEA, GEB, GEC, GED, GEF, GEJ, GER, GEV, GEW, GEP |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                 |
| Certificate Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : <b>M.2024.206.C5F5839</b>                                                                                                                                                                                                                      |
| Initial Assessment Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | : 17.01.2024                                                                                                                                                                                                                                     |
| Registration Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : 18.01.2024                                                                                                                                                                                                                                     |
| Reissue Date/No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | :                                                                                                                                                                                                                                                |
| Expiry Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | : 17.01.2029                                                                                                                                                                                                                                     |
| The validity of the certificate can be checked through <a href="http://www.udem.com.tr">www.udem.com.tr</a> . Upon completion of EC declaration of conformity, it is used only by the manufacturer/producer. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. In violation of this statement legal consequences will arise. The document cannot be put under any copy of this certificate for 15 years from the registration of certificate. The certificate only covers the production listed address and UDEM must be released if any of them is changed (the products). |                                                                                                                                                                                                                                                  |
| <b>Address:</b> Muhtelifat Mahallesi 2073 Sokak (PK 06034) No:10 Çankaya Ankara - TÜRKİYE<br><b>Phone:</b> +90 312 443 03 90 <b>Fax:</b> +90 312 443 03 76<br><b>E-mail:</b> info@udem.com.tr : www.udem.com.tr                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                  |
| <br>UDEM İNTERNETLİ BELGELENDİRME MERKEZİ A.Ş. 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                  |



## MACHINERY DIRECTIVE, ELECTROMAGNETIC COMPATIBILITY DIRECTIVE

### ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive has been and 2014/30/EU Electromagnetic Compatibility has been taken into consideration for these processes.

|                              |                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Company Name                 | <b>TAIZHOU HISPANIA REFRIGERATION EQUIPMENT CO., LTD</b>                                                                   |
| Company Address              | : B-10 Taizhou Economic Zone, Jiangsu, China                                                                               |
| Related Directives and Annex | <b>2006/42/EC Machinery Directive / Annex VII<br/>2014/30/EU Electromagnetic Compatibility Directive / Annex II</b>        |
| Related Standards            | <b>EN ISO 12100:2010; EN IEC 61000-6-2:2019<br/>EN 61000-6-3:2007; EN 60204-1:2018</b>                                     |
| Product Name                 | <b>CONDENSER</b>                                                                                                           |
| Report No and Date           | <b>: ZNC1231219003; ZNC1231219006</b>                                                                                      |
| Product Brand/Model/Type     | <b>: HCA, HCAS, HCB, HCBS, HCV, HCVD, HCH ACA, ACAS, ACAB, ACBS, ACV, ACVD, ACH GCA, GCVD, GCH GCA, GCB, GCV, GCD, GCH</b> |



|                         |                           |
|-------------------------|---------------------------|
| Certificate Number      | <b>: M.2024.06.CP5837</b> |
| Initial Assessment Date | <b>: 17.01.2024</b>       |
| Registration Date       | <b>: 18.01.2024</b>       |
| Reissue Date/No         | <b>: -</b>                |
| Expiry Date             | <b>: 17.01.2029</b>       |

The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). Upon completion of EC declaration of conformity, it is valid up to the manufacturer's responsibility. The certificate remains the property of UDEM International and Certification Auditing Testing Centre and should be kept. In its relevant part for internal use required, the above norm item must keep a copy of the certificate for 10 years from the registration of certificate. The certificate only covers the products listed below and UDEM must be taken into account in case of any changes on the products).

Address: Mülattar Mahallesi 2073 Sokak (İlâhî 93 Sokak) No:10 Çarşamba, Ankara - TÜRKİYE  
Phone: +90 312 443 03 10 Fax: +90 312 443 03 76  
E-mail: [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)



UDPM 85-NA-3595-10003-01-2024



# MACHINERY DIRECTIVE, ELECTROMECHANICAL COMPATIBILITY DIRECTIVE

## ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and has been  
 considered successfully  
 2004/42/EC Machinery Directive has been and 2014/30/EU Electromagnetic  
 Compatibility has been taken as references for these processes

**Company Name :** TAIZHOU HEPANA REFRIGERATION EQUIPMENT CO., LTD

**Company Address :** 8-10 Taizhou Economic Zone, Jiangsu, China

**Related Directives and Annex :** **2004/42/EC Machinery Directive / Annex VIII**  
**2014/30/EU Electromagnetic Compatibility Directive / Annex II**

**Related Standards :** **EN ISO 12100:2010; EN IEC 61000-4-2:2011**  
**EN 61000-6-3:2011; EN 62004-1:2018**

**Product Name :** **CONDENSER UNIT**

**Report No and Date :** **ZNCT231219002; ZNCT231219005**

**Product Brand/Model/Type :** HJIA, HJB, HJC, HUC, PUS, HUC PLUS T, HUM, HUL, HUC-O, HJA-O,  
 HEJ, HEP, HJP-O, HEJ, HUP, HJS, HJS CUA, CUB, CUC, CUC PLUS,  
 CUC PLUS T, CUM, CUL, CUC-O, CUA-O, CUB, CUP, CUP-O, CUA,  
 CUC, CUC, CUC ALIA, AUB, AUC, AUC PLUS, AUM, AUL,  
 AUC-O, ALIA-O, AUR, AUP, AUP-O, AUM, AUJ, AUG, AUS



**Certificate Number :** **M.2024.26.F9583** UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.  
Mauritius MEMA+CHUJ  
General Manager

**Initial Assessment Date :** 17.01.2024

**Registration Date :** 18.01.2024

**Rescue Date/No :**

**Expiry Date :** 17.01.2029

The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). Upon completion of EC declaration of conformity, it is valid only at the manufacturer's responsibility. The certificate renounces the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. as it remains the intellectual property of the above named firm even in case of the certificate is 15 years from the registration of certificate. The certificate only covers the product(s) stated above and UDEM will not be held liable in any way for the negligence of certificate.

Address: Mülkiyattın Sahibi/Owner: TAIZHOU HEPANA REFRIGERATION EQUIPMENT CO., LTD  
 Phone: +90 (312) 443 03 90 Fax: +90 (312) 443 03 76  
 E-mail: info@udem.com.tr www.udem.com.tr



UDPM-ISA-AMA-3070-2023-01-2024



# CERTIFICATE

of conformity of the factory production control

No. 2435-PER-8603850

This certificate is based on full quality assurance issued according to point 11 of Annex III of the Directive 90/269/EEC and implemented by Government Decree No.210/2023 Coll., as amended

**Condenser, Condensing unit refer to annex**

|                         |
|-------------------------|
| Technical specification |
| Technical file          |
| Applied Standards       |
| Assessment performed    |
| Module                  |
| Report reference        |

produced by or for



**Taizhou Hespasia Refrigeration Equipment Co.,Ltd**

8-10 Taizhou Economic Zone, Jiangsu Province, P.R. China

(and produced in the manufacturing plant(s))

B-10 Taizhou Economic Zone, Jiangsu Province, P.R. China

**The Annex is an integral part of this certificate.**



This certificate attests that all procedures described in relevant parts of the module

**Module H – Conformity based on full quality assurance**

(wording of choice for the performance not set out in the certificate are applied) and that

**The factory control that the dimensional manufacturer has a quality assurance system in accordance with the Directive 2014/68/EU**

This certificate has been issued on **05 March 2024** and is valid until **04 March 2027** and is based on the evaluation of the report from assessment and technical file of the equipment, where are recorded all required data and assessment of conformity. Report to this certificate is integral part of the certificate. The valid certification code of issue is **05 March 2024**



Ing. J. K. Jurek  
Director of office of IL-C

Prague, 05 March 2024



V 3190





validity code: **546CA376-3E3**

Check the validity of this certificate using this code at [www.il-c.info](http://www.il-c.info)

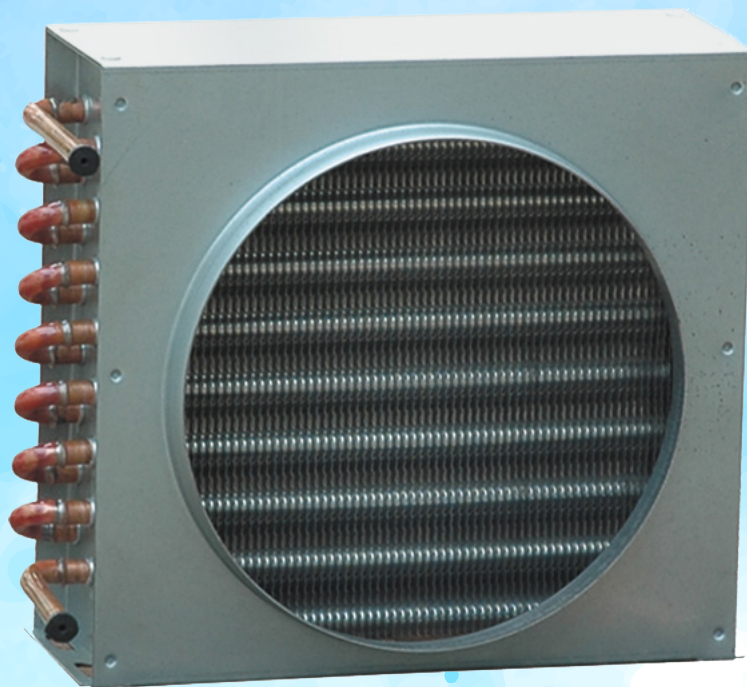
IL-C (Certification) Czech Republic a.s. • Pohřím 620/3, 186 00 Praha 8

### CONDENSERS

- CONDENSERS: HCA & HCAS
- CONDENSERS: HCB & HCBS
- CONDENSERS: HCV
- CONDENSERS: HCH
- CONDENSERS: HCVD

### CONDENSADORES

- |    |                             |    |
|----|-----------------------------|----|
| 4  | - CONDENSADORES: HCA & HCAS | 4  |
| 12 | - CONDENSADORES: HCB & HCBS | 12 |
| 20 | - CONDENSADORES: HCV        | 20 |
| 28 | - CONDENSADORES: HCH        | 28 |
| 36 | - CONDENSADORES: HCVD       | 36 |



## CONDENSERS CONDENSADORES

The exchange coils used in the HCA range are highly efficient with special profile aluminum fins and  $\varnothing 9.52$  mm (HCA) or  $\varnothing 7$  mm (HCAS) internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

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.

## HCA SERIES CONDENSERS CONDENSADORES SERIE HCA

Los serpentines de intercambio utilizados en la gama HCA son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 9.52$  mm (HCA) o  $\varnothing 7$  mm (HCAS) tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

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.



# HCA & HCAS SERIES CONDENSERS

## CONDENSADORES SERIE HCA & HCAS

The standard electric fans used in this range have the following characteristics:

- ø200 mm: single-phase 230V/1/50 Hz with shade pole motor, with grid and short nozzle. Operating temperature -30°C to +50°C.

- ø250, 300, 350, 400 mm: single-phase 230V/1/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40°C to +50°C.

-ø450, 500, 630 mm: three-phase 400V/3/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40°C to +50°C.

No-coated galvanized steel casing with high resistance to corrosion and impacts.

For performance at work points other than those in this catalog, use the "Unit Selector Hybrid HISPANIA" software.

For special applications and additional information consult our Technical Department.

Los motoventiladores eléctricos estándar utilizados en esta gama tienen las siguientes características:

- ø200 mm: monofásicos 230V/1/50 Hz con motor de polo sombreado, con rejilla y embocadura corta. Temperatura de funcionamiento -30°C a +50°C.

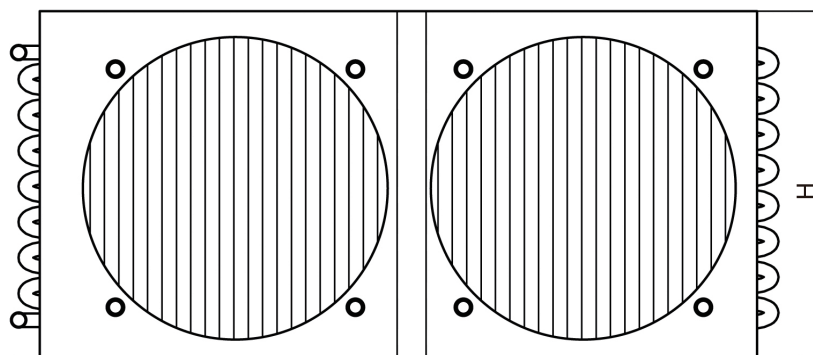
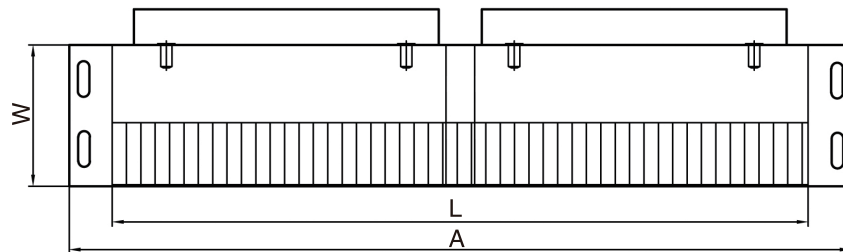
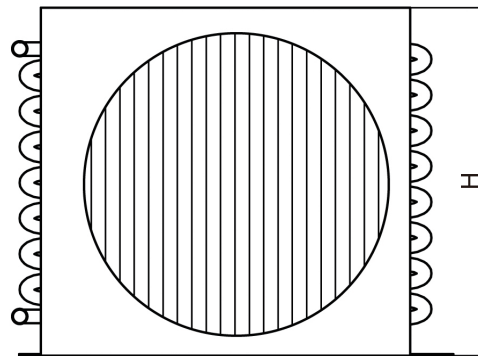
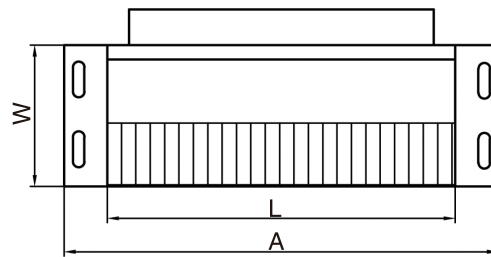
-ø250, 300, 350, 400 mm: monofásicos 230V/1/50 Hz de rotor externo, con rejilla y grilla tipo K (embocadura corta). Temperatura de funcionamiento -40°C a +50°C.

-ø450, 500, 630 mm: trifásicos 400V/3/50 Hz de rotor externo, con rejilla y grilla tipo K (embocadura corta). Temperatura de funcionamiento -40°C a +50°C.

Carcasa de acero galvanizado sin recubrimiento con alta resistencia a la corrosión y a los impactos.

Para trabajos con distintos rendimientos a los de este catálogo utilice el software "Unit Selector Hybrid HISPANIA".

Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

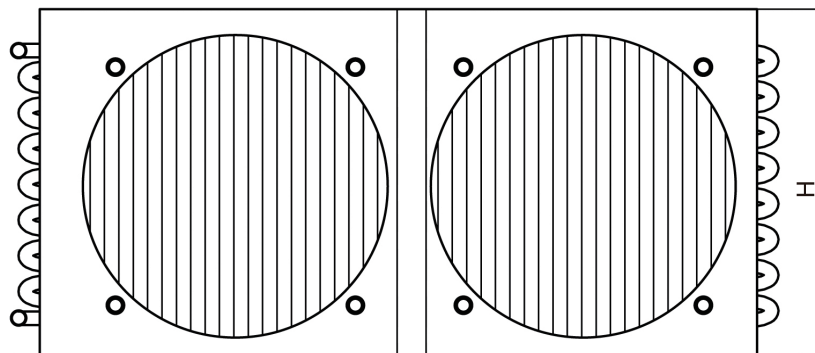
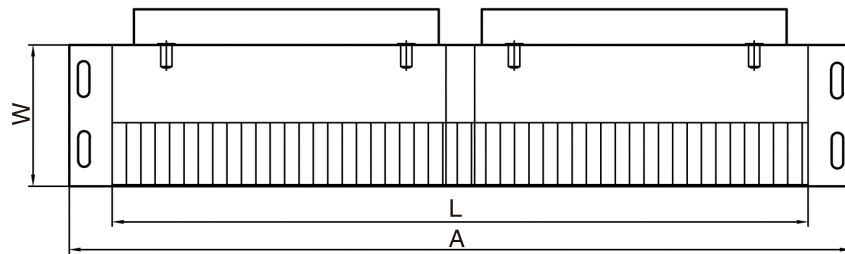
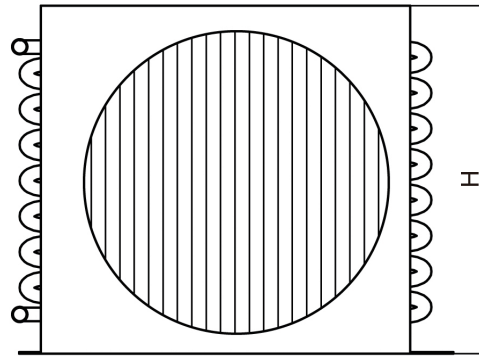
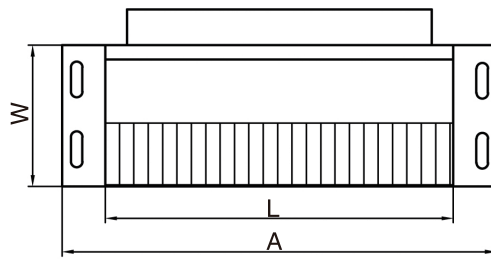


# HCA & HCAS SERIES CONDENSERS

## CONDENSADORES SERIE HCA & HCAS

| Model /<br>Modelo | Tubos<br>N°<br>Tubes<br>N° | Capacity /<br>Capacidad<br>(kW) |         |                 | Espacio<br>entre<br>aletas/<br>Fin Spa-<br>cing<br>(mm) | Superfi-<br>cie/<br>Surface<br>(m²) | Ventilador<br>Ventilator |                                          | Dimensiones<br>Dimension<br>(mm) |     |     |      | Connection/<br>Conexión |                             |
|-------------------|----------------------------|---------------------------------|---------|-----------------|---------------------------------------------------------|-------------------------------------|--------------------------|------------------------------------------|----------------------------------|-----|-----|------|-------------------------|-----------------------------|
|                   |                            | HP                              | R404A   | R448A/<br>R449A |                                                         |                                     | N° x Ø<br>(mm)           | Volumen<br>de Aire<br>Air Flow<br>(m3/h) | A                                | H   | W   | L    | Inlet/<br>En-<br>trada  | Out-<br>let/<br>Sali-<br>da |
|                   |                            |                                 | DT1=15K | DT1=15K         |                                                         |                                     |                          |                                          |                                  |     |     |      |                         |                             |
| HCA-82            | 8 x 2                      | 1/5                             | 0.58    | 0.59            | 3.5                                                     | 1.1                                 | 1 x 200                  | 365                                      | 280                              | 245 | 100 | 240  | 3/8"                    | 3/8"                        |
| HCA-83            | 8 x 3                      | 1/4                             | 0.77    | 0.77            | 3.5                                                     | 1.7                                 | 1 x 200                  | 321                                      | 280                              | 245 | 125 | 240  | 3/8"                    | 3/8"                        |
| HCA-84            | 8 x 4                      | 1/4                             | 0.86    | 0.87            | 3.5                                                     | 2.3                                 | 1 x 200                  | 284                                      | 280                              | 245 | 150 | 240  | 3/8"                    | 3/8"                        |
| HCA-92            | 9 x 2                      | 1/4                             | 0.87    | 0.88            | 3.5                                                     | 1.5                                 | 1 x 250                  | 568                                      | 310                              | 285 | 100 | 270  | 3/8"                    | 3/8"                        |
| HCA-93            | 9 x 3                      | 1/3                             | 1.15    | 1.16            | 3.5                                                     | 2.2                                 | 1 x 250                  | 499                                      | 310                              | 285 | 125 | 270  | 3/8"                    | 3/8"                        |
| HCA-94            | 9 x 4                      | 3/8                             | 1.32    | 1.33            | 3.5                                                     | 2.9                                 | 1 x 250                  | 453                                      | 310                              | 285 | 150 | 270  | 3/8"                    | 3/8"                        |
| HCA-103           | 10 x 3                     | 1/3                             | 1.43    | 1.44            | 3.5                                                     | 3.2                                 | 1 x 250                  | 480                                      | 310                              | 285 | 125 | 270  | 3/8"                    | 3/8"                        |
| HCA-104           | 10 x 4                     | 3/8                             | 1.43    | 1.44            | 3.5                                                     | 3.2                                 | 1 x 250                  | 480                                      | 310                              | 285 | 150 | 270  | 3/8"                    | 3/8"                        |
| HCA-114           | 11 x 4                     | 1/2                             | 1.66    | 1.67            | 3.5                                                     | 3.9                                 | 1 x 250                  | 538                                      | 340                              | 290 | 150 | 300  | 3/8"                    | 3/8"                        |
| HCA-124A          | 12 x 4                     | 1/2                             | 1.68    | 1.69            | 3.5                                                     | 4.3                                 | 1 x 250                  | 563                                      | 340                              | 315 | 150 | 300  | 5/8"                    | 1/2"                        |
| HCA-124B          | 12 x 4                     | 5/8                             | 2.95    | 2.98            | 3.5                                                     | 5.0                                 | 1 x 300                  | 1143                                     | 420                              | 365 | 150 | 350  | 5/8"                    | 1/2"                        |
| HCA-143           | 14 x 3                     | 5/8                             | 2.78    | 2.81            | 3.5                                                     | 4.4                                 | 1 x 300                  | 1322                                     | 420                              | 365 | 150 | 350  | 5/8"                    | 1/2"                        |
| HCA-144           | 14 x 4                     | 5/8                             | 3.31    | 3.34            | 3.5                                                     | 5.9                                 | 1 x 300                  | 1233                                     | 420                              | 365 | 150 | 350  | 5/8"                    | 1/2"                        |
| HCA-145           | 14 x 5                     | 3/4                             | 3.32    | 3.36            | 3.5                                                     | 7.3                                 | 1 x 300                  | 1155                                     | 420                              | 365 | 175 | 350  | 3/4"                    | 5/8"                        |
| HCA-163           | 16 x 3                     | 7/8                             | 4.53    | 4.58            | 3.5                                                     | 6.2                                 | 1 x 350                  | 2366                                     | 500                              | 420 | 150 | 430  | 5/8"                    | 1/2"                        |
| HCA-164A          | 16 x 4                     | 1                               | 5.29    | 5.35            | 3.5                                                     | 8.2                                 | 1 x 350                  | 2202                                     | 500                              | 420 | 150 | 430  | 3/4"                    | 5/8"                        |
| HCA-164B          | 16 x 4                     | 1.25                            | 6.20    | 6.26            | 3.5                                                     | 8.6                                 | 1 x 400                  | 2705                                     | 520                              | 465 | 200 | 450  | 3/4"                    | 5/8"                        |
| HCA-165           | 16 x 5                     | 1.5                             | 6.70    | 6.77            | 3.5                                                     | 10.7                                | 1 x 400                  | 2455                                     | 520                              | 465 | 200 | 450  | 3/4"                    | 5/8"                        |
| HCA-185           | 18 x 5                     | 1.75                            | 8.11    | 8.19            | 3.5                                                     | 13.4                                | 1 x 400                  | 2841                                     | 570                              | 465 | 200 | 500  | 3/4"                    | 5/8"                        |
| HCA-104D          | 10 x 4                     | 7/8                             | 2.87    | 2.89            | 3.5                                                     | 6.4                                 | 2 x 250                  | 960                                      | 610                              | 285 | 150 | 540  | 5/8"                    | 1/2"                        |
| HCA-114D          | 11 x 4                     | 7/8                             | 3.32    | 3.34            | 3.5                                                     | 7.9                                 | 2 x 250                  | 1075                                     | 670                              | 290 | 150 | 600  | 5/8"                    | 1/2"                        |
| HCA-124D          | 12 x 4                     | 1.25                            | 5.91    | 5.97            | 3.5                                                     | 10.0                                | 2 x 300                  | 2285                                     | 770                              | 365 | 150 | 700  | 3/4"                    | 5/8"                        |
| HCA-100S          | 14 x 3                     | 1.5                             | 6.72    | 6.78            | 2.5                                                     | 11.9                                | 2 x 300                  | 2533                                     | 770                              | 365 | 150 | 700  | 5/8"                    | 1/2"                        |
| HCA-150K          | 14 x 4                     | 1.8                             | 7.48    | 7.54            | 2.5                                                     | 15.9                                | 2 x 300                  | 2334                                     | 770                              | 365 | 150 | 700  | 3/4"                    | 5/8"                        |
| HCA-200L          | 16 x 3                     | 2                               | 10.75   | 10.85           | 2.5                                                     | 15.6                                | 2 x 350                  | 4378                                     | 870                              | 420 | 150 | 800  | 5/8"                    | 1/2"                        |
| HCA-200S          | 18 x 3                     | 2.5                             | 11.58   | 11.69           | 2.5                                                     | 17.5                                | 2 x 350                  | 4601                                     | 870                              | 470 | 200 | 800  | 5/8"                    | 1/2"                        |
| HCA-300S          | 18 x 4                     | 3                               | 13.14   | 13.25           | 2.5                                                     | 23.4                                | 2 x 350                  | 4275                                     | 870                              | 470 | 200 | 800  | 3/4"                    | 5/8"                        |
| HCA-400E          | 20 x 4                     | 3.5                             | 16.38   | 16.50           | 2.5                                                     | 34.9                                | 2 x 350                  | 5056                                     | 1145                             | 520 | 200 | 1075 | 1-1/8"                  | 3/4"                        |
| HCA-400S          | 20 x 4                     | 4                               | 19.12   | 19.28           | 2.5                                                     | 34.9                                | 2 x 400                  | 6248                                     | 1145                             | 520 | 200 | 1075 | 1-1/8"                  | 7/8"                        |
| HCA-500T          | 22 x 5                     | 5                               | 21.67   | 21.83           | 2.5                                                     | 48.0                                | 2 x 400                  | 6145                                     | 1145                             | 600 | 230 | 1075 | 1-3/8"                  | 7/8"                        |
| HCA-500S          | 22 x 5                     | 7.5                             | 28.15   | 28.38           | 2.5                                                     | 48.0                                | 2 x 450                  | 8705                                     | 1145                             | 600 | 230 | 1075 | 1-3/8"                  | 7/8"                        |
| HCA-600T          | 22 x 5                     | 9                               | 34.45   | 34.75           | 2.5                                                     | 53.1                                | 2 x 500                  | 10989                                    | 1260                             | 600 | 230 | 1190 | 1-3/8"                  | 7/8"                        |
| HCA-285           | 28 x 5                     | 10                              | 40.90   | 41.24           | 2.5                                                     | 67.6                                | 2 x 500                  | 12698                                    | 1260                             | 742 | 230 | 1190 | 1-3/8"                  | 7/8"                        |
| HCA-286           | 28 x 6                     | 15                              | 66.67   | 67.42           | 2.5                                                     | 102.3                               | 2 x 630                  | 20153                                    | 1570                             | 742 | 400 | 1500 | 1-3/8"                  | 7/8"                        |
| HCA-346           | 34 x 6                     | 20                              | 80.11   | 81.00           | 2.5                                                     | 124.2                               | 2 x 630                  | 24105                                    | 1615                             | 890 | 400 | 1500 | 1-3/8"                  | 7/8"                        |

CONDENSERS/GAS COOLERS



# HCA & HCAS SERIES CONDENSERS

## CONDENSADORES SERIE HCA & HCAS

| Model /<br>Modelo | Tubos<br>N°<br>Tubes<br>N° | Capacity /<br>Capacidad<br>(kW) |         |                 | Espacio<br>entre<br>aletas/<br>Fin Spa-<br>cing<br>(mm) | Superfi-<br>cie/<br>Surface<br>(m²) | Ventilador<br>Ventilator |                                          | Dimensiones<br>Dimension<br>(mm) |     |     |      | Connection/<br>Conexión |                             |
|-------------------|----------------------------|---------------------------------|---------|-----------------|---------------------------------------------------------|-------------------------------------|--------------------------|------------------------------------------|----------------------------------|-----|-----|------|-------------------------|-----------------------------|
|                   |                            | HP                              | R404A   | R448A/<br>R449A |                                                         |                                     | N° × Ø<br>(mm)           | Volumen<br>de Aire<br>Air Flow<br>(m³/h) | A                                | H   | W   | L    | Inlet/<br>En-<br>trada  | Out-<br>let/<br>Sali-<br>da |
|                   |                            |                                 | DT1=15K | DT1=15K         |                                                         |                                     |                          |                                          |                                  |     |     |      |                         |                             |
| HCAS-82           | 8 × 2                      | 1/5                             | 0.57    | 0.57            | 3.5                                                     | 1.2                                 | 1 × 200                  | 352                                      | 280                              | 245 | 100 | 240  | 3/8"                    | 3/8"                        |
| HCAS-83           | 8 × 3                      | 1/4                             | 0.71    | 0.72            | 3.5                                                     | 1.8                                 | 1 × 200                  | 299                                      | 280                              | 245 | 125 | 240  | 3/8"                    | 3/8"                        |
| HCAS-84           | 8 × 4                      | 1/4                             | 0.79    | 0.80            | 3.5                                                     | 2.4                                 | 1 × 200                  | 264                                      | 280                              | 245 | 150 | 240  | 3/8"                    | 3/8"                        |
| HCAS-92           | 9 × 2                      | 1/4                             | 0.82    | 0.83            | 3.5                                                     | 1.5                                 | 1 × 250                  | 539                                      | 310                              | 285 | 100 | 270  | 3/8"                    | 3/8"                        |
| HCAS-93           | 9 × 3                      | 1/3                             | 1.06    | 1.07            | 3.5                                                     | 2.3                                 | 1 × 250                  | 471                                      | 310                              | 285 | 125 | 270  | 3/8"                    | 3/8"                        |
| HCAS-94           | 9 × 4                      | 3/8                             | 1.21    | 1.22            | 3.5                                                     | 3.0                                 | 1 × 250                  | 426                                      | 310                              | 285 | 150 | 270  | 3/8"                    | 3/8"                        |
| HCAS-103          | 10 × 3                     | 1/3                             | 1.31    | 1.32            | 3.5                                                     | 3.3                                 | 1 × 250                  | 454                                      | 310                              | 285 | 125 | 270  | 3/8"                    | 3/8"                        |
| HCAS-104          | 10 × 4                     | 3/8                             | 1.31    | 1.32            | 3.5                                                     | 3.3                                 | 1 × 250                  | 454                                      | 310                              | 285 | 150 | 270  | 3/8"                    | 3/8"                        |
| HCAS-114          | 11 × 4                     | 1/2                             | 1.50    | 1.51            | 3.5                                                     | 4.1                                 | 1 × 250                  | 509                                      | 340                              | 290 | 150 | 300  | 3/8"                    | 3/8"                        |
| HCAS-124A         | 12 × 4                     | 1/2                             | 1.57    | 1.58            | 3.5                                                     | 4.5                                 | 1 × 250                  | 534                                      | 340                              | 315 | 150 | 300  | 5/8"                    | 1/2"                        |
| HCAS-124B         | 12 × 4                     | 5/8                             | 2.70    | 2.72            | 3.5                                                     | 5.2                                 | 1 × 300                  | 1079                                     | 420                              | 365 | 150 | 350  | 5/8"                    | 1/2"                        |
| HCAS-143          | 14 × 3                     | 5/8                             | 2.58    | 2.60            | 3.5                                                     | 4.5                                 | 1 × 300                  | 1273                                     | 420                              | 365 | 150 | 350  | 5/8"                    | 1/2"                        |
| HCAS-144          | 14 × 4                     | 5/8                             | 3.02    | 3.05            | 3.5                                                     | 6.1                                 | 1 × 300                  | 1174                                     | 420                              | 365 | 150 | 350  | 5/8"                    | 1/2"                        |
| HCAS-145          | 14 × 5                     | 3/4                             | 3.15    | 3.19            | 3.5                                                     | 7.6                                 | 1 × 300                  | 1095                                     | 420                              | 365 | 175 | 350  | 3/4"                    | 5/8"                        |
| HCAS-163          | 16 × 3                     | 7/8                             | 4.18    | 4.22            | 3.5                                                     | 6.4                                 | 1 × 350                  | 2268                                     | 500                              | 420 | 150 | 430  | 5/8"                    | 1/2"                        |
| HCAS-164A         | 16 × 4                     | 1                               | 4.91    | 4.95            | 3.5                                                     | 8.5                                 | 1 × 350                  | 2102                                     | 500                              | 420 | 150 | 430  | 3/4"                    | 5/8"                        |
| HCAS-164B         | 16 × 4                     | 1.25                            | 5.61    | 5.66            | 3.5                                                     | 8.9                                 | 1 × 400                  | 2513                                     | 520                              | 465 | 200 | 450  | 3/4"                    | 5/8"                        |
| HCAS-165          | 16 × 5                     | 1.5                             | 6.09    | 6.14            | 3.5                                                     | 11.1                                | 1 × 400                  | 2269                                     | 520                              | 465 | 200 | 450  | 3/4"                    | 5/8"                        |
| HCAS-185          | 18 × 5                     | 1.75                            | 7.42    | 7.48            | 3.5                                                     | 13.9                                | 1 × 400                  | 2686                                     | 570                              | 465 | 200 | 500  | 3/4"                    | 5/8"                        |
| HCAS-104D         | 10 × 4                     | 7/8                             | 2.63    | 2.64            | 3.5                                                     | 6.7                                 | 2 × 250                  | 907                                      | 610                              | 285 | 150 | 540  | 5/8"                    | 1/2"                        |
| HCAS-114D         | 11 × 4                     | 7/8                             | 3.02    | 3.04            | 3.5                                                     | 8.2                                 | 2 × 250                  | 1017                                     | 670                              | 290 | 150 | 600  | 5/8"                    | 1/2"                        |
| HCAS-124D         | 12 × 4                     | 1.25                            | 5.42    | 5.47            | 3.5                                                     | 10.4                                | 2 × 300                  | 2157                                     | 770                              | 365 | 150 | 700  | 3/4"                    | 5/8"                        |
| HCAS-100S         | 14 × 3                     | 1.5                             | 6.13    | 6.19            | 2.5                                                     | 12.5                                | 2 × 300                  | 2414                                     | 770                              | 365 | 150 | 700  | 5/8"                    | 1/2"                        |
| HCAS-150K         | 14 × 4                     | 1.8                             | 6.05    | 6.11            | 2.5                                                     | 12.4                                | 2 × 300                  | 2414                                     | 770                              | 365 | 150 | 700  | 3/4"                    | 5/8"                        |
| HCAS-200L         | 16 × 3                     | 2                               | 9.32    | 9.47            | 2.5                                                     | 16.3                                | 2 × 350                  | 4164                                     | 870                              | 420 | 150 | 800  | 5/8"                    | 1/2"                        |
| HCAS-200S         | 18 × 3                     | 2.5                             | 9.92    | 10.10           | 2.5                                                     | 18.3                                | 2 × 350                  | 4406                                     | 870                              | 470 | 200 | 800  | 5/8"                    | 1/2"                        |
| HCAS-300S         | 18 × 4                     | 3                               | 11.41   | 11.59           | 2.5                                                     | 24.4                                | 2 × 350                  | 4031                                     | 870                              | 470 | 200 | 800  | 3/4"                    | 5/8"                        |
| HCAS-400E         | 20 × 4                     | 3.5                             | 15.16   | 15.27           | 2.5                                                     | 36.5                                | 2 × 350                  | 4856                                     | 1145                             | 520 | 200 | 1075 | 1-1/8"                  | 3/4"                        |
| HCAS-400S         | 20 × 4                     | 4                               | 17.44   | 17.60           | 2.5                                                     | 36.5                                | 2 × 400                  | 5959                                     | 1145                             | 520 | 200 | 1075 | 1-1/8"                  | 7/8"                        |
| HCAS-500T         | 22 × 5                     | 5                               | 20.00   | 20.15           | 2.5                                                     | 50.2                                | 2 × 400                  | 5853                                     | 1145                             | 600 | 230 | 1075 | 1-3/8"                  | 7/8"                        |
| HCAS-500S         | 22 × 5                     | 7.5                             | 25.21   | 25.47           | 2.5                                                     | 50.2                                | 2 × 450                  | 8131                                     | 1145                             | 600 | 230 | 1075 | 1-3/8"                  | 7/8"                        |
| HCAS-600T         | 22 × 5                     | 9                               | 30.11   | 30.49           | 2.5                                                     | 55.5                                | 2 × 500                  | 10184                                    | 1260                             | 600 | 230 | 1190 | 1-3/8"                  | 7/8"                        |
| HCAS-285          | 28 × 5                     | 10                              | 36.44   | 36.87           | 2.5                                                     | 70.7                                | 2 × 500                  | 11993                                    | 1260                             | 742 | 230 | 1190 | 1-3/8"                  | 7/8"                        |
| HCAS-286          | 28 × 6                     | 15                              | 53.02   | 54.33           | 2.5                                                     | 106.9                               | 2 × 630                  | 18220                                    | 1570                             | 742 | 400 | 1500 | 1-3/8"                  | 7/8"                        |
| HCAS-346          | 34 × 6                     | 20                              | 64.40   | 65.99           | 2.5                                                     | 129.8                               | 2 × 630                  | 22134                                    | 1615                             | 890 | 400 | 1500 | 1-3/8"                  | 7/8"                        |

CONDENSERS/GAS COOLERS

### AVAILABLE OPTIONS FOR HCA SERIES:

#### Copper tube options:

- Ø9.52 mm internally grooved tubes
- Ø7 mm internally grooved tubes

#### Casing options:

- Coated on customer's request

### OPCIONES DISPONIBLES PARA LA SERIE HCA:

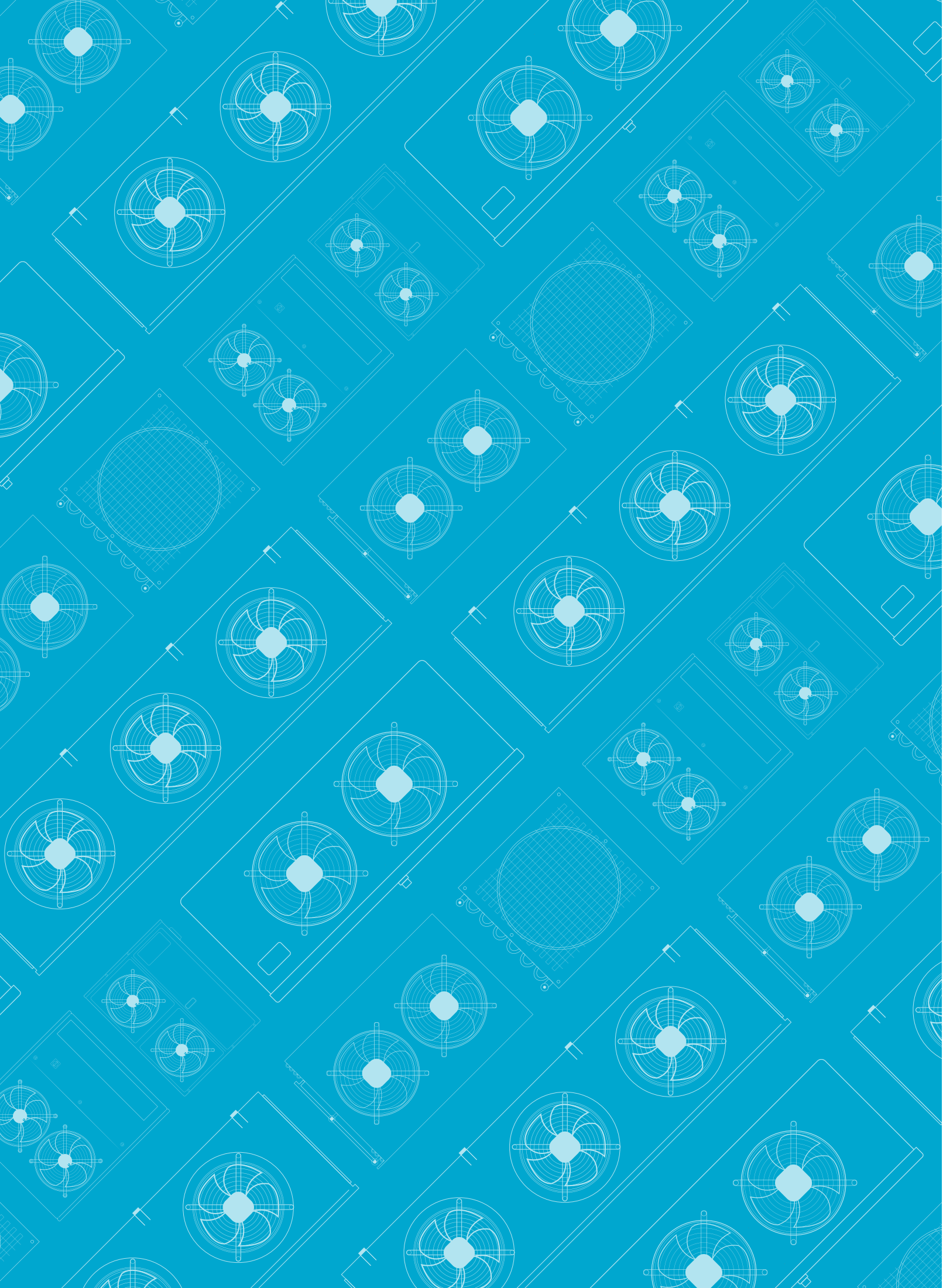
#### Opciones de tubo de cobre:

- Tubos ranurados internamente de Ø9,52 mm
- Tubos ranurados internamente de Ø7 mm

#### Opciones carcasa:

- Recubierto a petición del cliente







## CONDENSERS CONDENSADORES

The exchange coils used in the HCB range are highly efficient with special profile aluminum fins and  $\varnothing 9.52$  mm (HCB) or  $\varnothing 7$  mm (HCBS) internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

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.

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

## HCB SERIES CONDENSERS CONDENSADORES SERIE HCB

Los serpentines de intercambio utilizados en la gama HCB son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 9.52$  mm (HCB) o  $\varnothing 7$  mm (HCBS) tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

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.

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

# HCB & HCBS SERIES CONDENSERS

## CONDENSADORES SERIE HCB & HCBS

The standard electric fans used in this range have the following characteristics:

- ø200 mm: single-phase 230V/1/50 Hz with shade pole motor, with grid and short nozzle. Operating temperature -30°C to +50°C.

- ø250, 300, 350, 400 mm: single-phase 230V/1/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40°C to +50°C.

-ø450, 500, 630, 710, 800 mm: three-phase 400V/3/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40°C to +50°C.

Black galvanized steel casing with high resistance to corrosion and impacts.

For performance at work points other than those in this catalog, use the "Unit Selector Hybrid HISPANIA" software.

For special applications and additional information consult our Technical Department.

Los motoventiladores eléctricos estándar utilizados en esta gama tienen las siguientes características:

- ø200 mm: monofásicos 230V/1/50 Hz con motor de polo sombreado, con rejilla y embocadura corta. Temperatura de funcionamiento -30°C a +50°C.

-ø250, 300, 350, 400 mm: monofásicos 230V/1/50 Hz de rotor externo, con rejilla y grilla tipo K (embocadura corta). Temperatura de funcionamiento -40°C a +50°C.

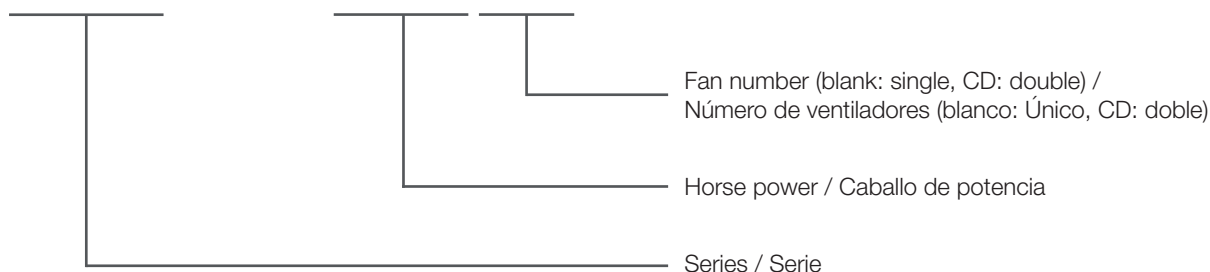
-ø450, 500, 630, 710, 800 mm: trifásicos 400V/3/50 Hz de rotor externo, con rejilla y grilla tipo K (embocadura corta). Temperatura de funcionamiento -40°C a +50°C.

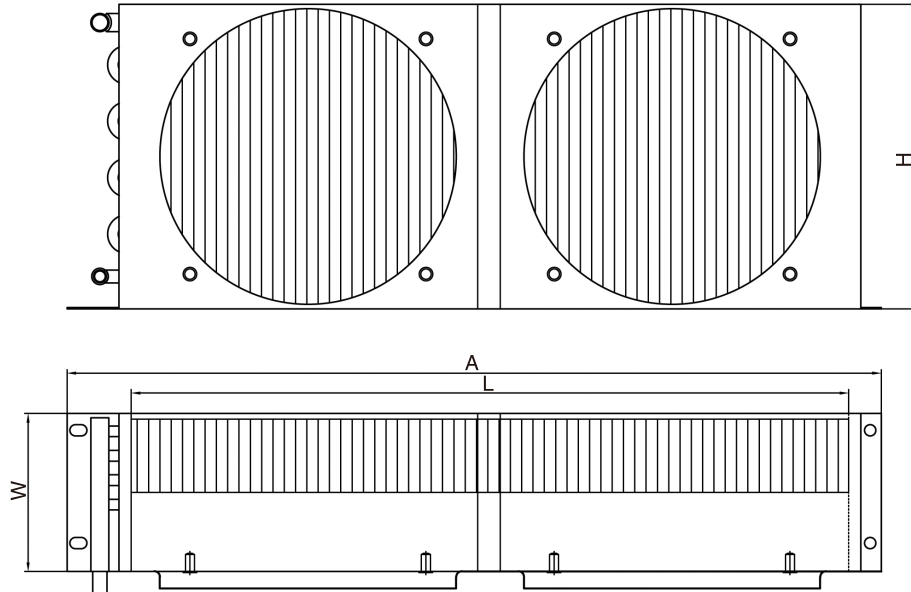
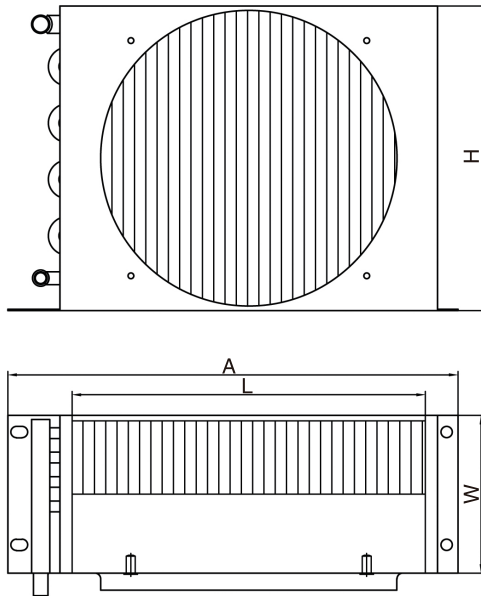
Carcasa de acero galvanizado negro con alta resistencia a la corrosión y a los impactos.

Para trabajos con distintos rendimientos a los de este catálogo utilice el software "Unit Selector Hybrid HISPANIA".

Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

## HCB - 1HPCD





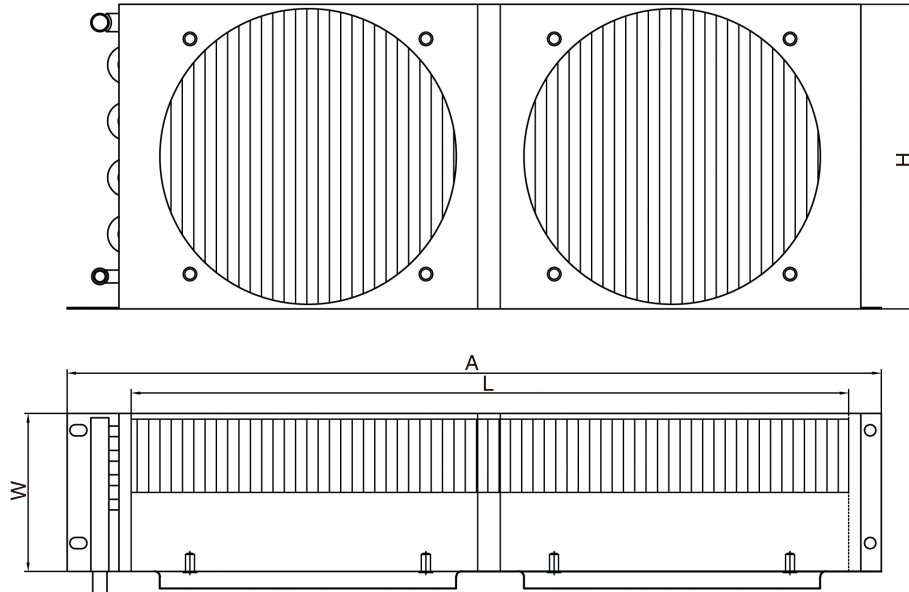
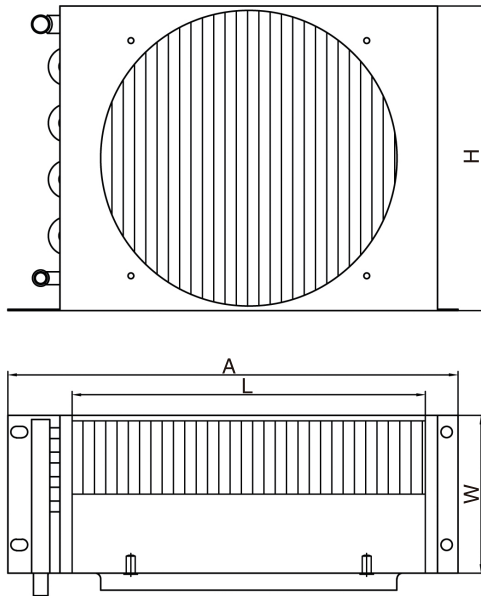
# HCB & HCBS SERIES CONDENSERS

## CONDENSADORES SERIE HCB & HCBS

| Model /<br>Modelo | Tubos<br>N°<br>Tubes<br>N° | Capacity /<br>Capacidad<br>(kW) |                 | Espacio<br>entre<br>aletas/<br>Fin Spa-<br>cing<br>(mm) | Superfi-<br>cie/<br>Surface<br>(m²) | Ventilador<br>Ventilator |                                          | Dimensiones<br>Dimension<br>(mm) |      |     |      | Connection/<br>Conexión |                             |
|-------------------|----------------------------|---------------------------------|-----------------|---------------------------------------------------------|-------------------------------------|--------------------------|------------------------------------------|----------------------------------|------|-----|------|-------------------------|-----------------------------|
|                   |                            | R404A                           | R448A/<br>R449A |                                                         |                                     | N° × Ø<br>(mm)           | Volumen<br>de Aire<br>Air Flow<br>(m³/h) | A                                | H    | W   | L    | Inlet/<br>En-<br>trada  | Out-<br>let/<br>Sali-<br>da |
|                   |                            | DT1=15K                         | DT1=15K         |                                                         |                                     |                          |                                          |                                  |      |     |      |                         |                             |
| HCB-1/4HP         | 2 × 11                     | 1.38                            | 1.39            | 3.17                                                    | 2.2                                 | 1 × 250                  | 817                                      | 360                              | 281  | 102 | 300  | 3/8"                    | 3/8"                        |
| HCB-1/3HP         | 3 × 10                     | 1.60                            | 1.62            | 3.17                                                    | 2.9                                 | 1 × 250                  | 657                                      | 380                              | 270  | 120 | 300  | 3/8"                    | 3/8"                        |
| HCB-1/2HP         | 4 × 10                     | 1.62                            | 1.64            | 3.17                                                    | 3.8                                 | 1 × 250                  | 565                                      | 380                              | 270  | 140 | 290  | 3/8"                    | 3/8"                        |
| HCB-3/4HP         | 4 × 12                     | 3.08                            | 3.11            | 3.17                                                    | 5.5                                 | 1 × 300                  | 1123                                     | 450                              | 370  | 152 | 350  | 3/8"                    | 3/8"                        |
| HCB-1HP           | 4 × 14                     | 3.77                            | 3.80            | 3.17                                                    | 7.3                                 | 1 × 300                  | 1289                                     | 490                              | 370  | 152 | 400  | 1/2"                    | 3/8"                        |
| HCB-1.5HP         | 4 × 16                     | 6.40                            | 6.46            | 3.17                                                    | 10.4                                | 1 × 350                  | 2313                                     | 600                              | 422  | 182 | 500  | 1/2"                    | 3/8"                        |
| HCB-2HP           | 4 × 18                     | 8.70                            | 8.81            | 3.17                                                    | 14.1                                | 1 × 400                  | 3225                                     | 690                              | 473  | 182 | 600  | 1/2"                    | 3/8"                        |
| HCB-2.5HP         | 5 × 18                     | 9.69                            | 9.77            | 3.17                                                    | 17.6                                | 1 × 400                  | 3054                                     | 710                              | 473  | 200 | 600  | 5/8"                    | 1/2"                        |
| HCB-3HP           | 6 × 18                     | 10.17                           | 10.26           | 3.17                                                    | 21.2                                | 1 × 400                  | 2900                                     | 710                              | 473  | 234 | 600  | 5/8"                    | 1/2"                        |
| HCB-4HP           | 6 × 22                     | 11.49                           | 11.58           | 3.17                                                    | 25.9                                | 1 × 400                  | 3178                                     | 710                              | 575  | 234 | 600  | 5/8"                    | 1/2"                        |
| HCB-5HP           | 4 × 30                     | 18.31                           | 18.55           | 2.83                                                    | 34.8                                | 1 × 450                  | 6153                                     | 910                              | 780  | 215 | 800  | 5/8"                    | 1/2"                        |
| HCB-1HPCD         | 4 × 10                     | 2.23                            | 2.25            | 3.17                                                    | 6.5                                 | 2 × 200                  | 667                                      | 590                              | 270  | 140 | 500  | 3/8"                    | 3/8"                        |
| HCB-1.5HPCD       | 4 × 11                     | 4.21                            | 4.24            | 3.17                                                    | 9.5                                 | 2 × 250                  | 1334                                     | 737                              | 305  | 140 | 660  | 1/2"                    | 3/8"                        |
| HCB-2HPCD         | 4 × 12                     | 6.96                            | 7.02            | 3.17                                                    | 12.5                                | 2 × 300                  | 2401                                     | 900                              | 370  | 152 | 800  | 1/2"                    | 3/8"                        |
| HCB-3HPCD         | 4 × 16                     | 13.48                           | 13.59           | 2.83                                                    | 23.2                                | 2 × 350                  | 4549                                     | 1110                             | 420  | 182 | 1000 | 5/8"                    | 1/2"                        |
| HCB-4HPCD         | 4 × 20                     | 15.27                           | 15.41           | 2.83                                                    | 29.0                                | 2 × 350                  | 4988                                     | 1110                             | 525  | 182 | 1000 | 5/8"                    | 1/2"                        |
| HCB-5HPCD         | 4 × 24                     | 19.25                           | 19.52           | 2.83                                                    | 34.8                                | 2 × 400                  | 6603                                     | 1110                             | 625  | 195 | 1000 | 5/8"                    | 1/2"                        |
| HCB-6HPCD         | 4 × 26                     | 21.25                           | 21.63           | 2.83                                                    | 45.2                                | 2 × 400                  | 7161                                     | 1310                             | 680  | 195 | 1200 | 5/8"                    | 1/2"                        |
| HCB-7.5HPCD       | 4 × 32                     | 33.66                           | 34.00           | 2.83                                                    | 55.6                                | 2 × 450                  | 11642                                    | 1310                             | 830  | 215 | 1200 | 7/8"                    | 5/8"                        |
| HCB-10HPCD        | 4 × 32                     | 44.80                           | 45.53           | 2.83                                                    | 74.2                                | 2 × 500                  | 16249                                    | 1710                             | 830  | 230 | 1600 | 1-1/8"                  | 7/8"                        |
| HCB-12HPCD        | 4 × 36                     | 70.73                           | 71.80           | 2.83                                                    | 83.4                                | 2 × 630                  | 29531                                    | 1710                             | 928  | 230 | 1600 | 1-1/8"                  | 7/8"                        |
| HCB-15HPCD        | 4 × 36                     | 74.98                           | 76.26           | 2.83                                                    | 93.9                                | 2 × 630                  | 30927                                    | 1910                             | 928  | 230 | 1800 | 1-1/8"                  | 7/8"                        |
| HCB-18HPCD        | 4 × 36                     | 65.44                           | 66.38           | 2.54                                                    | 103.2                               | 3 × 500                  | 23823                                    | 2090                             | 928  | 230 | 1980 | 1-1/8"                  | 7/8"                        |
| HCB-20HPCD        | 4 × 42                     | 71.87                           | 72.44           | 2.83                                                    | 121.7                               | 2 × 710                  | 24329                                    | 2110                             | 1075 | 227 | 2044 | 1-3/8"                  | 1-1/8"                      |
| HCB-25HPCD        | 4 × 42                     | 75.07                           | 75.67           | 2.83                                                    | 133.8                               | 2 × 710                  | 24873                                    | 2310                             | 1075 | 227 | 2200 | 1-3/8"                  | 1-1/8"                      |
| HCB-30HPCD        | 5 × 42                     | 82.11                           | 82.83           | 2.83                                                    | 167.3                               | 2 × 710                  | 24106                                    | 2310                             | 1075 | 227 | 2200 | 1-5/8"                  | 1-3/8"                      |
| HCB-35HPCD        | 5 × 48                     | 123.28                          | 124.17          | 2.54                                                    | 240.0                               | 2 × 800                  | 35834                                    | 2580                             | 1230 | 350 | 2500 | 1-5/8"                  | 1-3/8"                      |
| HCB-40HPCD        | 6 × 48                     | 127.83                          | 128.76          | 2.54                                                    | 288.0                               | 2 × 800                  | 34602                                    | 2580                             | 1230 | 350 | 2500 | 1-5/8"                  | 1-3/8"                      |
| HCB-45HPCD        | 5 × 48                     | 182.68                          | 184.60          | 2.54                                                    | 360.0                               | 3 × 800                  | 53751                                    | 3830                             | 1230 | 350 | 3750 | 2-1/8"                  | 1-5/8"                      |
| HCB-50HPCD        | 6 × 48                     | 195.47                          | 196.64          | 2.54                                                    | 432.0                               | 3 × 800                  | 51903                                    | 3830                             | 1230 | 350 | 3750 | 2-5/8"                  | 2-1/8"                      |

CONDENSERS/GAS COOLERS





# HCB & HCBS SERIES CONDENSERS

## CONDENSADORES SERIE HCB & HCBS

| Model /<br>Modelo | Tubos<br>N°<br>Tubes<br>N° | Capacity /<br>Capacidad<br>(kW) |                 | Espacio<br>entre<br>aletas/<br>Fin Spa-<br>cing<br>(mm) | Superfi-<br>cie/<br>Surface<br>(m <sup>2</sup> ) | Ventilador<br>Ventilator |                                                       | Dimensiones<br>Dimension<br>(mm) |      |     |      | Connection/<br>Conexión |                             |
|-------------------|----------------------------|---------------------------------|-----------------|---------------------------------------------------------|--------------------------------------------------|--------------------------|-------------------------------------------------------|----------------------------------|------|-----|------|-------------------------|-----------------------------|
|                   |                            | R404A                           | R448A/<br>R449A |                                                         |                                                  | N° × Ø<br>(mm)           | Volumen<br>de Aire<br>Air Flow<br>(m <sup>3</sup> /h) | A                                | H    | W   | L    | Inlet/<br>En-<br>trada  | Out-<br>let/<br>Sali-<br>da |
|                   |                            | DT1=15K                         | DT1=15K         |                                                         |                                                  |                          |                                                       |                                  |      |     |      |                         |                             |
| HCBS-1/4HP        | 2 × 11                     | 1.27                            | 1.28            | 3.17                                                    | 2.2                                              | 1 × 250                  | 775                                                   | 360                              | 281  | 102 | 300  | 3/8"                    | 3/8"                        |
| HCBS-1/3HP        | 3 × 10                     | 1.45                            | 1.46            | 3.17                                                    | 3.1                                              | 1 × 250                  | 609                                                   | 380                              | 270  | 120 | 300  | 3/8"                    | 3/8"                        |
| HCBS-1/2HP        | 4 × 10                     | 1.51                            | 1.52            | 3.17                                                    | 3.9                                              | 1 × 250                  | 525                                                   | 380                              | 270  | 140 | 290  | 3/8"                    | 3/8"                        |
| HCBS-3/4HP        | 4 × 12                     | 2.81                            | 2.84            | 3.17                                                    | 5.7                                              | 1 × 300                  | 1053                                                  | 450                              | 370  | 152 | 350  | 3/8"                    | 3/8"                        |
| HCBS-1HP          | 4 × 14                     | 3.44                            | 3.47            | 3.17                                                    | 7.6                                              | 1 × 300                  | 1231                                                  | 490                              | 370  | 152 | 400  | 1/2"                    | 3/8"                        |
| HCBS-1.5HP        | 4 × 16                     | 5.52                            | 5.61            | 3.17                                                    | 10.9                                             | 1 × 350                  | 2216                                                  | 600                              | 422  | 182 | 500  | 1/2"                    | 3/8"                        |
| HCBS-2HP          | 4 × 18                     | 6.95                            | 7.16            | 3.17                                                    | 14.7                                             | 1 × 400                  | 3097                                                  | 690                              | 473  | 182 | 600  | 1/2"                    | 3/8"                        |
| HCBS-2.5HP        | 5 × 18                     | 8.30                            | 8.45            | 3.17                                                    | 18.3                                             | 1 × 400                  | 2909                                                  | 710                              | 473  | 200 | 600  | 5/8"                    | 1/2"                        |
| HCBS-3HP          | 6 × 18                     | 9.28                            | 9.35            | 3.17                                                    | 22.0                                             | 1 × 400                  | 2752                                                  | 710                              | 473  | 234 | 600  | 5/8"                    | 1/2"                        |
| HCBS-4HP          | 6 × 22                     | 10.49                           | 10.58           | 3.17                                                    | 26.9                                             | 1 × 400                  | 3042                                                  | 710                              | 575  | 234 | 600  | 5/8"                    | 1/2"                        |
| HCBS-5HP          | 4 × 30                     | 14.56                           | 15.05           | 2.83                                                    | 36.2                                             | 1 × 450                  | 6010                                                  | 910                              | 780  | 215 | 800  | 5/8"                    | 1/2"                        |
| HCBS-1HPCD        | 4 × 10                     | 2.05                            | 2.07            | 3.17                                                    | 6.8                                              | 2 × 200                  | 624                                                   | 590                              | 270  | 140 | 500  | 3/8"                    | 3/8"                        |
| HCBS-1.5HPCD      | 4 × 11                     | 3.73                            | 3.76            | 3.17                                                    | 9.9                                              | 2 × 250                  | 1236                                                  | 737                              | 305  | 140 | 660  | 1/2"                    | 3/8"                        |
| HCBS-2HPCD        | 4 × 12                     | 5.89                            | 6.00            | 3.17                                                    | 13.0                                             | 2 × 300                  | 2282                                                  | 900                              | 370  | 152 | 800  | 1/2"                    | 3/8"                        |
| HCBS-3HPCD        | 4 × 16                     | 11.73                           | 11.92           | 2.83                                                    | 24.1                                             | 2 × 350                  | 4355                                                  | 1110                             | 420  | 182 | 1000 | 5/8"                    | 1/2"                        |
| HCBS-4HPCD        | 4 × 20                     | 12.87                           | 13.15           | 2.83                                                    | 30.2                                             | 2 × 350                  | 4786                                                  | 1110                             | 525  | 182 | 1000 | 5/8"                    | 1/2"                        |
| HCBS-5HPCD        | 4 × 24                     | 17.86                           | 18.04           | 2.83                                                    | 36.2                                             | 2 × 400                  | 6360                                                  | 1110                             | 625  | 195 | 1000 | 5/8"                    | 1/2"                        |
| HCBS-6HPCD        | 4 × 26                     | 20.69                           | 20.85           | 2.83                                                    | 47.1                                             | 2 × 400                  | 6956                                                  | 1310                             | 680  | 195 | 1200 | 5/8"                    | 1/2"                        |
| HCBS-7.5HPCD      | 4 × 32                     | 30.77                           | 31.03           | 2.83                                                    | 58.0                                             | 2 × 450                  | 11287                                                 | 1310                             | 830  | 215 | 1200 | 7/8"                    | 5/8"                        |
| HCBS-10HPCD       | 4 × 32                     | 41.93                           | 42.42           | 2.83                                                    | 77.3                                             | 2 × 500                  | 15742                                                 | 1710                             | 830  | 230 | 1600 | 1-1/8"                  | 7/8"                        |
| HCBS-12HPCD       | 4 × 36                     | 62.23                           | 63.29           | 2.83                                                    | 86.9                                             | 2 × 630                  | 28264                                                 | 1710                             | 928  | 230 | 1600 | 1-1/8"                  | 7/8"                        |
| HCBS-15HPCD       | 4 × 36                     | 66.10                           | 67.36           | 2.83                                                    | 97.8                                             | 2 × 630                  | 29722                                                 | 1910                             | 928  | 230 | 1800 | 1-1/8"                  | 7/8"                        |
| HCBS-18HPCD       | 4 × 36                     | 58.58                           | 59.58           | 2.54                                                    | 107.6                                            | 3 × 500                  | 23021                                                 | 2090                             | 928  | 230 | 1980 | 1-1/8"                  | 7/8"                        |
| HCBS-20HPCD       | 4 × 42                     | 63.54                           | 64.52           | 2.83                                                    | 126.8                                            | 2 × 710                  | 23687                                                 | 2110                             | 1075 | 227 | 2044 | 1-3/8"                  | 1-1/8"                      |
| HCBS-25HPCD       | 4 × 42                     | 65.85                           | 66.98           | 2.83                                                    | 139.5                                            | 2 × 710                  | 24289                                                 | 2310                             | 1075 | 227 | 2200 | 1-3/8"                  | 1-1/8"                      |
| HCBS-30HPCD       | 5 × 42                     | 69.77                           | 71.32           | 2.83                                                    | 174.3                                            | 2 × 710                  | 23440                                                 | 2310                             | 1075 | 227 | 2200 | 1-5/8"                  | 1-3/8"                      |
| HCBS-35HPCD       | 5 × 48                     | 110.42                          | 111.90          | 2.54                                                    | 250.7                                            | 2 × 800                  | 34682                                                 | 2580                             | 1230 | 350 | 2500 | 1-5/8"                  | 1-3/8"                      |
| HCBS-40HPCD       | 6 × 48                     | 119.27                          | 120.13          | 2.54                                                    | 300.9                                            | 2 × 800                  | 33053                                                 | 2580                             | 1230 | 350 | 2500 | 1-5/8"                  | 1-3/8"                      |
| HCBS-45HPCD       | 5 × 48                     | 149.32                          | 153.44          | 2.54                                                    | 376.1                                            | 3 × 800                  | 52023                                                 | 3830                             | 1230 | 350 | 3750 | 2-1/8"                  | 1-5/8"                      |
| HCBS-50HPCD       | 6 × 48                     | 176.23                          | 178.15          | 2.54                                                    | 451.3                                            | 3 × 800                  | 49580                                                 | 3830                             | 1230 | 350 | 3750 | 2-5/8"                  | 2-1/8"                      |

CONDENSERS/GAS COOLERS



### AVAILABLE OPTIONS FOR HCB SERIES:

#### Copper tube options:

- Ø9.52 mm internally grooved tubes
- Ø7 mm internally grooved tubes

#### Casing options:

- Coated on customer's request

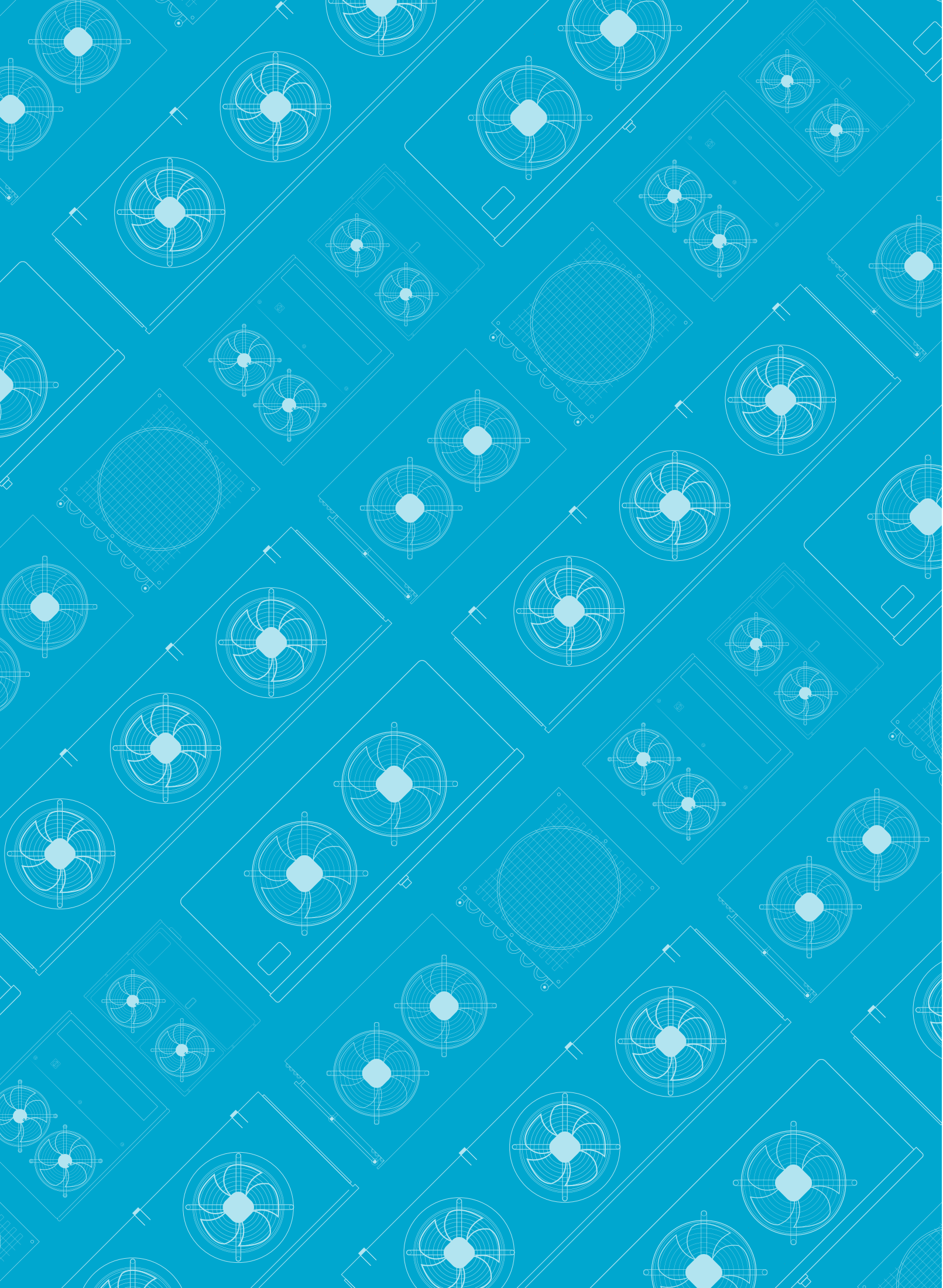
### OPCIONES DISPONIBLES PARA LA SERIE HCB:

#### Opciones de tubo de cobre:

- Tubos ranurados internamente de Ø9,52 mm
- Tubos ranurados internamente de Ø7 mm

#### Opciones carcasa:

- Recubierto a petición del cliente





## CONDENSERS CONDENSADORES

The exchange coils used in the HCV range are highly efficient with special profile aluminum fins and  $\varnothing 9.52$  mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

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.

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

## HCV SERIES CONDENSERS CONDENSADORES SERIE HCV

Los serpentines de intercambio utilizados en la gama HCV son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 9.52$  mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

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.

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

# HCV SERIES CONDENSERS

## CONDENSADORES SERIE HCV

The standard electric fans used in this range have the following characteristics:

-ø500, 630 mm: three-phase 400V/3/50 Hz with external rotor, with L-type grille and nozzle (long mouth). Operating temperature -40°C to +50°C.

-ø800 mm: three-phase 400V/3/50 Hz with external rotor, with ZN-type grille and nozzle (long mouth). Operating temperature -40°C to +50°C.

White coated galvanized steel casing with high resistance to corrosion and impacts.

For performance at work points other than those in this catalog, use the "Unit Selector Hybrid HISPANIA" software.

For special applications and additional information consult our Technical Department.

Los motoventiladores eléctricos estándar utilizados en esta gama tienen las siguientes características:

-ø500 y 630 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo L (embocadura larga). Temperatura de funcionamiento -40°C a +50°C.

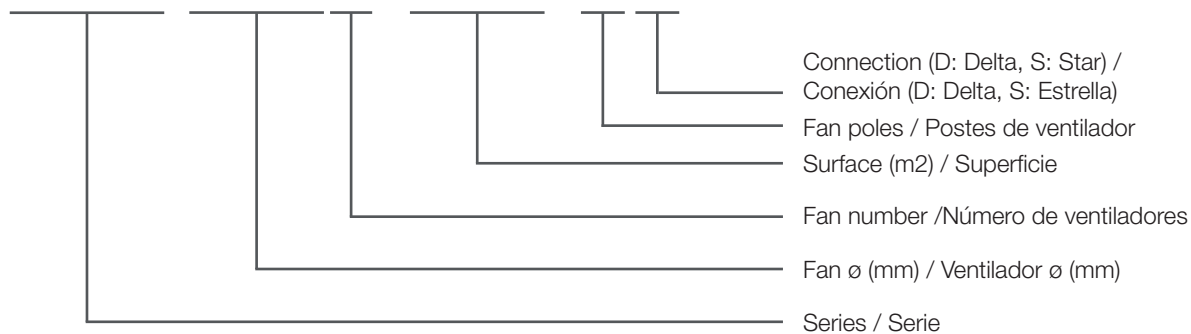
-ø800 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo ZN (embocadura larga). Temperatura de funcionamiento -40°C a +50°C.

Carcasa de acero galvanizado con recubrimiento blanco con alta resistencia a la corrosión y a los impactos.

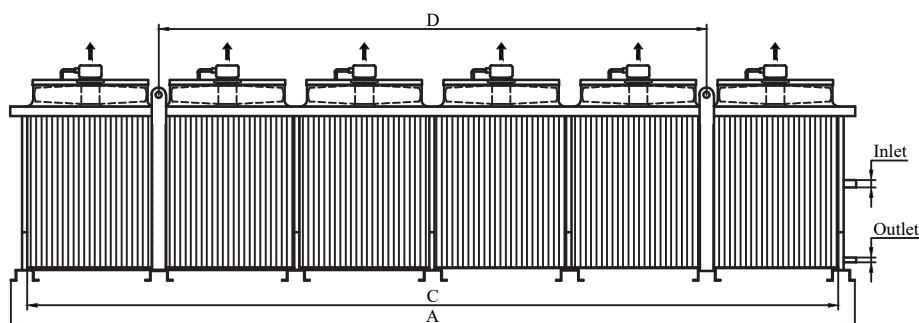
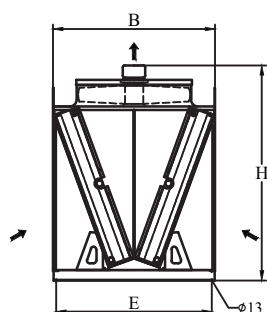
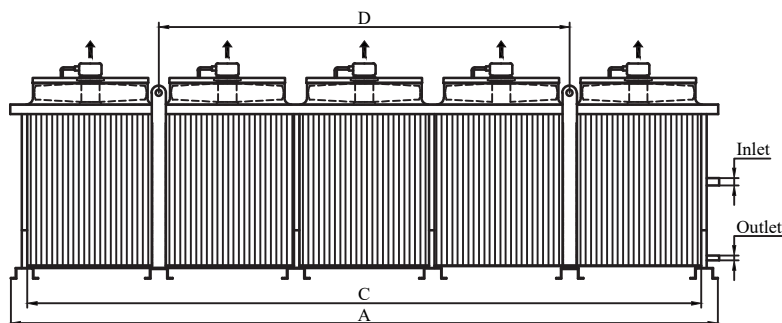
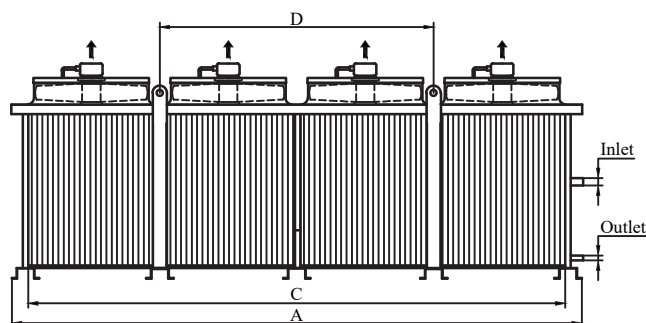
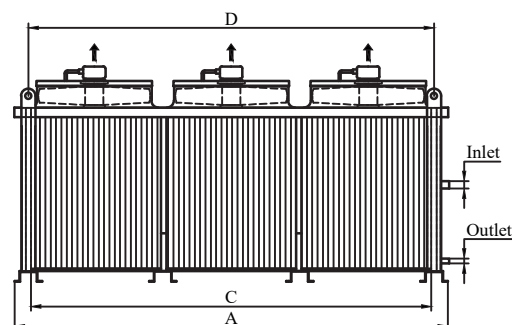
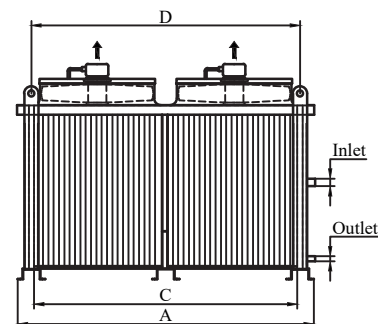
Para trabajos con distintos rendimientos a los de este catálogo utilice el software "Unit Selector Hybrid HISPANIA".

Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

## HCV 6303-309-4D



| Model /<br>Model | 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  |
| HCV 6302...      | 1694                          | 912  | 1500 | 1540 | 865  | 1210 |
| HCV 6303...      | 2464                          | 912  | 2270 | 2310 | 865  | 1210 |
| HCV 6304...      | 3234                          | 912  | 3040 | 3080 | 865  | 1210 |
| HCV 6305...      | 4004                          | 912  | 3810 | 3850 | 865  | 1210 |
| HCV 6306...      | 4774                          | 912  | 4580 | 4620 | 865  | 1210 |
| HCV 8002...      | 2256                          | 1150 | 2070 | 2100 | 1113 | 1435 |
| HCV 8003...      | 3306                          | 1150 | 3120 | 3150 | 1113 | 1435 |
| HCV 8004...      | 4356                          | 1150 | 4170 | 4200 | 1113 | 1435 |
| HCV 8005...      | 5406                          | 1150 | 5220 | 5250 | 1113 | 1435 |
| HCV 8006...      | 6456                          | 1150 | 6270 | 6300 | 1113 | 1435 |





# HCV SERIES CONDENSERS

## CONDENSADORES SERIE HCV

| Model /<br>Modelo | Capacity /<br>Capacidad<br>(kW) |                 | Sound<br>Pressure<br>Level | Espacio entre aletas/<br>Fin Spacing (mm) | Superficie/<br>Surface (m²) | Tube Volume/<br>Volumen Interno (dm³) | Ventilador<br>Ventilator |                                      |                        |                            |                                    | Connection/<br>Conexión<br>(ø mm) |                   | N.W/<br>Peso<br>Neto<br>(kg) |
|-------------------|---------------------------------|-----------------|----------------------------|-------------------------------------------|-----------------------------|---------------------------------------|--------------------------|--------------------------------------|------------------------|----------------------------|------------------------------------|-----------------------------------|-------------------|------------------------------|
|                   | R404A                           | R448A/<br>R449A | dist=10m                   |                                           |                             |                                       | N° x Ø<br>(mm)           | Pole connection<br>Conexión de polos | Power/<br>Potencia (W) | Current/<br>Intensidad (A) | Volumen de Aire<br>Air Flow (m3/h) | Inlet/<br>Entrada                 | Outlet/<br>Salida |                              |
|                   | DT1=15K                         | DT1=15K         | dBA                        |                                           |                             |                                       |                          |                                      |                        |                            |                                    |                                   |                   |                              |
| HCV 5002 121-4D   | 51.32                           | 51.71           | 54                         | 2.1                                       | 121.0                       | 16.0                                  | 2 × 630                  | 4P-Δ                                 | 1300                   | 2.3                        | 14583                              | 2×28                              | 2×22              | 161                          |
| HCV 5002 151-4D   | 55.18                           | 55.51           | 54                         | 2.1                                       | 151.3                       | 20.0                                  | 2 × 630                  | 4P-Δ                                 | 1300                   | 2.3                        | 14168                              | 2×28                              | 2×22              | 161                          |
| HCV 5003 182-4D   | 77.27                           | 77.83           | 55                         | 2.1                                       | 182.9                       | 24.2                                  | 3 × 630                  | 4P-Δ                                 | 1950                   | 3.5                        | 21889                              | 2×28                              | 2×22              | 233                          |
| HCV 5003 227-4D   | 83.08                           | 83.57           | 55                         | 2.1                                       | 228.7                       | 30.2                                  | 3 × 630                  | 4P-Δ                                 | 1950                   | 3.5                        | 21283                              | 2×28                              | 2×22              | 233                          |
| HCV 5004 242-4D   | 102.29                          | 103.27          | 60                         | 2.1                                       | 244.8                       | 32.3                                  | 4 × 630                  | 4P-Δ                                 | 2600                   | 4.6                        | 29209                              | 2×35                              | 2×28              | 304                          |
| HCV 5004 303-4D   | 110.35                          | 111.2           | 60                         | 2.1                                       | 306.0                       | 40.4                                  | 4 × 630                  | 4P-Δ                                 | 2600                   | 4.6                        | 28399                              | 2×35                              | 2×28              | 304                          |
| HCV 5005 303-4D   | 128.62                          | 129.71          | 62                         | 2.1                                       | 306.7                       | 40.5                                  | 5 × 630                  | 4P-Δ                                 | 3250                   | 5.8                        | 36529                              | 2×35                              | 2×28              | 374                          |
| HCV 5005 378-4D   | 138.53                          | 139.51          | 62                         | 2.1                                       | 383.4                       | 50.6                                  | 5 × 630                  | 4P-Δ                                 | 3250                   | 5.8                        | 35514                              | 2×35                              | 2×28              | 374                          |
| HCV 5006 363-4D   | 155.21                          | 156.32          | 65                         | 2.1                                       | 368.6                       | 48.7                                  | 6 × 630                  | 4P-Δ                                 | 3900                   | 6.9                        | 43849                              | 2×35                              | 2×28              | 445                          |
| HCV 5006 454-4D   | 166.38                          | 167.55          | 65                         | 2.1                                       | 460.8                       | 60.8                                  | 6 × 630                  | 4P-Δ                                 | 3900                   | 6.9                        | 42630                              | 2×35                              | 2×28              | 445                          |



| Model /<br>Modelo | Capacity /<br>Capacidad<br>(kW) |                 | Sound<br>Pressure<br>Level | Espacio entre aletas/<br>Fin Spacing (mm) | Superficie/<br>Surface (m²) | Tube Volume/<br>Volumen Interno (dm³) | Ventilador<br>Ventilator |                                      |                        |                            |                                    | Connection/<br>Conexión<br>(ø mm) |                   | N.W/<br>Peso<br>Neto<br>(kg) |
|-------------------|---------------------------------|-----------------|----------------------------|-------------------------------------------|-----------------------------|---------------------------------------|--------------------------|--------------------------------------|------------------------|----------------------------|------------------------------------|-----------------------------------|-------------------|------------------------------|
|                   | R404A                           | R448A/<br>R449A | dist=10m                   |                                           |                             |                                       | N° x Ø<br>(mm)           | Pole connection<br>Conexión de polos | Power/<br>Potencia (W) | Current/<br>Intensidad (A) | Volumen de Aire<br>Air Flow (m3/h) | Inlet/<br>Entrada                 | Outlet/<br>Salida |                              |
|                   | DT1=15K                         | DT1=15K         | dBA                        |                                           |                             |                                       |                          |                                      |                        |                            |                                    |                                   |                   |                              |
| HCV 6302 206-4D   | 86.07                           | 86.75           | 55                         | 2.1                                       | 206.3                       | 27.2                                  | 2 × 630                  | 4P-Δ                                 | 2200                   | 4.4                        | 24362                              | 2×28                              | 2×22              | 242                          |
| HCV 6302 206-4S   | 70.34                           | 70.8            | 52                         | 2.1                                       | 206.3                       | 27.2                                  | 2 × 630                  | 4P-Y                                 | 1300                   | 2.5                        | 18712                              | 2×28                              | 2×22              | 242                          |
| HCV 6302 206-6D   | 76.91                           | 77.45           | 48                         | 2.1                                       | 206.3                       | 27.2                                  | 2 × 630                  | 6P-Δ                                 | 1452                   | 3.5                        | 20995                              | 2×28                              | 2×22              | 242                          |
| HCV 6302 206-6S   | 67.69                           | 68.07           | 45                         | 2.1                                       | 206.3                       | 27.2                                  | 2 × 630                  | 6P-Y                                 | 1114                   | 1.9                        | 17817                              | 2×28                              | 2×22              | 242                          |
| HCV 6302 258-4D   | 93.42                           | 94.05           | 55                         | 2.1                                       | 257.9                       | 34.0                                  | 2 × 630                  | 4P-Δ                                 | 2200                   | 4.4                        | 23954                              | 2×28                              | 2×22              | 261                          |
| HCV 6302 258-4S   | 74.55                           | 74.91           | 52                         | 2.1                                       | 257.9                       | 34.0                                  | 2 × 630                  | 4P-Y                                 | 1300                   | 2.5                        | 18144                              | 2×28                              | 2×22              | 261                          |
| HCV 6302 258-6D   | 82.08                           | 82.52           | 48                         | 2.1                                       | 257.9                       | 34.0                                  | 2 × 630                  | 6P-Δ                                 | 1452                   | 3.5                        | 20396                              | 2×28                              | 2×22              | 261                          |
| HCV 6302 258-6S   | 71.49                           | 71.86           | 45                         | 2.1                                       | 257.9                       | 34.0                                  | 2 × 630                  | 6P-Y                                 | 1114                   | 1.9                        | 17267                              | 2×28                              | 2×22              | 261                          |
| HCV 6303 309-4D   | 129.31                          | 130.31          | 56                         | 2.1                                       | 309.5                       | 40.9                                  | 3 × 630                  | 4P-Δ                                 | 3300                   | 6.6                        | 36543                              | 2×35                              | 2×22              | 349                          |
| HCV 6303 309-4S   | 105.63                          | 106.3           | 53                         | 2.1                                       | 309.5                       | 40.9                                  | 3 × 630                  | 4P-Y                                 | 1950                   | 3.8                        | 28068                              | 2×35                              | 2×22              | 349                          |
| HCV 6303 309-6D   | 115.51                          | 116.31          | 49                         | 2.1                                       | 309.5                       | 40.9                                  | 3 × 630                  | 6P-Δ                                 | 2178                   | 5.2                        | 31492                              | 2×35                              | 2×22              | 349                          |
| HCV 6303 309-6S   | 101.63                          | 102.25          | 46                         | 2.1                                       | 309.5                       | 40.9                                  | 3 × 630                  | 6P-Y                                 | 1671                   | 2.9                        | 26726                              | 2×35                              | 2×22              | 349                          |
| HCV 6303 387-4D   | 139.02                          | 140.2           | 56                         | 2.1                                       | 386.9                       | 51.1                                  | 3 × 630                  | 4P-Δ                                 | 3300                   | 6.6                        | 35930                              | 2×35                              | 2×22              | 377                          |
| HCV 6303 387-4S   | 111.43                          | 112.14          | 53                         | 2.1                                       | 386.9                       | 51.1                                  | 3 × 630                  | 4P-Y                                 | 1950                   | 3.8                        | 27216                              | 2×35                              | 2×22              | 377                          |
| HCV 6303 387-6D   | 122.5                           | 123.37          | 49                         | 2.1                                       | 386.9                       | 51.1                                  | 3 × 630                  | 6P-Δ                                 | 2178                   | 5.2                        | 30593                              | 2×35                              | 2×22              | 377                          |
| HCV 6303 387-6S   | 106.98                          | 107.63          | 46                         | 2.1                                       | 386.9                       | 51.1                                  | 3 × 630                  | 6P-Y                                 | 1671                   | 2.9                        | 25900                              | 2×35                              | 2×22              | 377                          |
| HCV 6304 415-4D   | 172.89                          | 174.21          | 64                         | 2.1                                       | 415.4                       | 54.8                                  | 4 × 630                  | 4P-Δ                                 | 4400                   | 8.8                        | 48754                              | 2×42                              | 2×28              | 456                          |
| HCV 6304 415-4S   | 141.28                          | 142.17          | 61                         | 2.1                                       | 415.4                       | 54.8                                  | 4 × 630                  | 4P-Y                                 | 2600                   | 5.0                        | 37479                              | 2×42                              | 2×28              | 456                          |
| HCV 6304 415-6D   | 154.49                          | 155.55          | 57                         | 2.1                                       | 415.4                       | 54.8                                  | 4 × 630                  | 6P-Δ                                 | 2904                   | 7.0                        | 42045                              | 2×42                              | 2×28              | 456                          |
| HCV 6304 415-6S   | 135.92                          | 136.75          | 54                         | 2.1                                       | 415.4                       | 54.8                                  | 4 × 630                  | 6P-Y                                 | 2228                   | 3.9                        | 35686                              | 2×42                              | 2×28              | 456                          |
| HCV 6304 519-4D   | 187.61                          | 188.84          | 64                         | 2.1                                       | 519.2                       | 68.6                                  | 4 × 630                  | 4P-Δ                                 | 4400                   | 8.8                        | 47964                              | 2×42                              | 2×28              | 493                          |
| HCV 6304 519-4S   | 149.63                          | 150.35          | 61                         | 2.1                                       | 519.2                       | 68.6                                  | 4 × 630                  | 4P-Y                                 | 2600                   | 5.0                        | 36343                              | 2×42                              | 2×28              | 493                          |
| HCV 6304 519-6D   | 164.81                          | 165.68          | 57                         | 2.1                                       | 519.2                       | 68.6                                  | 4 × 630                  | 6P-Δ                                 | 2904                   | 7.0                        | 40854                              | 2×42                              | 2×28              | 493                          |
| HCV 6304 519-6S   | 143.52                          | 144.24          | 54                         | 2.1                                       | 519.2                       | 68.6                                  | 4 × 630                  | 6P-Y                                 | 2228                   | 3.9                        | 34591                              | 2×42                              | 2×28              | 493                          |
| HCV 6305 521-4D   | 213.85                          | 216.02          | 65                         | 2.1                                       | 521.3                       | 68.8                                  | 5 × 630                  | 4P-Δ                                 | 5500                   | 11.0                       | 60965                              | 2×54                              | 2×35              | 561                          |
| HCV 6305 521-4S   | 175.81                          | 177.16          | 62                         | 2.1                                       | 521.3                       | 68.8                                  | 5 × 630                  | 4P-Y                                 | 3250                   | 6.3                        | 46890                              | 2×54                              | 2×35              | 561                          |
| HCV 6305 521-6D   | 191.81                          | 193.48          | 58                         | 2.1                                       | 521.3                       | 68.8                                  | 5 × 630                  | 6P-Δ                                 | 3630                   | 8.7                        | 52598                              | 2×54                              | 2×35              | 561                          |
| HCV 6305 521-6S   | 169.28                          | 170.52          | 55                         | 2.1                                       | 521.3                       | 68.8                                  | 5 × 630                  | 6P-Y                                 | 2785                   | 4.9                        | 44646                              | 2×54                              | 2×35              | 561                          |
| HCV 6305 652-4D   | 232.86                          | 234.79          | 65                         | 2.1                                       | 651.6                       | 86.0                                  | 5 × 630                  | 4P-Δ                                 | 5500                   | 11.0                       | 59997                              | 2×54                              | 2×35              | 607                          |
| HCV 6305 652-4S   | 186.6                           | 187.76          | 62                         | 2.1                                       | 651.6                       | 86.0                                  | 5 × 630                  | 4P-Y                                 | 3250                   | 6.3                        | 45469                              | 2×54                              | 2×35              | 607                          |
| HCV 6305 652-6D   | 205.2                           | 206.62          | 58                         | 2.1                                       | 651.6                       | 86.0                                  | 5 × 630                  | 6P-Δ                                 | 3630                   | 8.7                        | 51115                              | 2×54                              | 2×35              | 607                          |
| HCV 6305 652-6S   | 179.18                          | 180.24          | 55                         | 2.1                                       | 651.6                       | 86.0                                  | 5 × 630                  | 6P-Y                                 | 2785                   | 4.9                        | 43282                              | 2×54                              | 2×35              | 607                          |
| HCV 6306 627-4D   | 260.06                          | 262.02          | 66                         | 2.1                                       | 627.2                       | 82.8                                  | 6 × 630                  | 4P-Δ                                 | 6600                   | 13.2                       | 73176                              | 2×54                              | 2×35              | 667                          |
| HCV 6306 627-4S   | 212.57                          | 213.9           | 63                         | 2.1                                       | 627.2                       | 82.8                                  | 6 × 630                  | 4P-Y                                 | 3900                   | 7.5                        | 56300                              | 2×54                              | 2×35              | 667                          |
| HCV 6306 627-6D   | 232.47                          | 234.04          | 59                         | 2.1                                       | 627.2                       | 82.8                                  | 6 × 630                  | 6P-Δ                                 | 4356                   | 10.4                       | 63151                              | 2×54                              | 2×35              | 667                          |
| HCV 6306 627-6S   | 204.5                           | 205.73          | 56                         | 2.1                                       | 627.2                       | 82.8                                  | 6 × 630                  | 6P-Y                                 | 3342                   | 5.8                        | 53606                              | 2×54                              | 2×35              | 667                          |
| HCV 6306 784-4D   | 282.23                          | 284.03          | 66                         | 2.1                                       | 784.0                       | 103.5                                 | 6 × 630                  | 4P-Δ                                 | 6600                   | 13.2                       | 72029                              | 2×54                              | 2×35              | 722                          |
| HCV 6306 784-4S   | 225.08                          | 226.15          | 63                         | 2.1                                       | 784.0                       | 103.5                                 | 6 × 630                  | 4P-Y                                 | 3900                   | 7.5                        | 54596                              | 2×54                              | 2×35              | 722                          |
| HCV 6306 784-6D   | 247.95                          | 249.24          | 59                         | 2.1                                       | 784.0                       | 103.5                                 | 6 × 630                  | 6P-Δ                                 | 4356                   | 10.4                       | 61376                              | 2×54                              | 2×35              | 722                          |
| HCV 6306 784-6S   | 215.9                           | 216.98          | 56                         | 2.1                                       | 784.0                       | 103.5                                 | 6 × 630                  | 6P-Y                                 | 3342                   | 5.8                        | 51973                              | 2×54                              | 2×35              | 722                          |

# HCV SERIES CONDENSERS

## CONDENSADORES SERIE HCV

| Model /<br>Modelo | Capacity /<br>Capacidad<br>(kW) |                 | Sound<br>Pressure<br>Level | Espacio entre aletas/<br>Fin Spacing (mm) | Superficie/<br>Surface (m²) | Tube Volume/<br>Volumen Interno (dm³) | Ventilador<br>Ventilator |                                      |                        |                            |                                    | Connection/<br>Conexión<br>(ø mm) |                   | N.W/<br>Peso<br>Neto<br>(kg) |
|-------------------|---------------------------------|-----------------|----------------------------|-------------------------------------------|-----------------------------|---------------------------------------|--------------------------|--------------------------------------|------------------------|----------------------------|------------------------------------|-----------------------------------|-------------------|------------------------------|
|                   | R404A                           | R448A/<br>R449A | dist=10m                   |                                           |                             |                                       | N° x Ø<br>(mm)           | Pole connection<br>Conexión de polos | Power/<br>Potencia (W) | Current/<br>Intensidad (A) | Volumen de Aire<br>Air Flow (m3/h) | Inlet/<br>Entrada                 | Outlet/<br>Salida |                              |
|                   | DT1=15K                         | DT1=15K         | dBA                        |                                           |                             |                                       |                          |                                      |                        |                            |                                    |                                   |                   |                              |
| HCV 8002 358-6D   | 140.57                          | 141.62          | 51                         | 2.1                                       | 332.2                       | 43.9                                  | 2 × 800                  | 6P-Δ                                 | 3200                   | 7.0                        | 39845                              | 2×42                              | 2×28              | 358                          |
| HCV 8002 358-6S   | 109.11                          | 109.72          | 42                         | 2.1                                       | 332.2                       | 43.9                                  | 2 × 800                  | 6P-Y                                 | 1600                   | 3.1                        | 28711                              | 2×42                              | 2×28              | 358                          |
| HCV 8002 448-6D   | 150.81                          | 151.96          | 51                         | 2.1                                       | 415.2                       | 54.8                                  | 2 × 800                  | 6P-Δ                                 | 3200                   | 7.0                        | 38857                              | 2×42                              | 2×28              | 387                          |
| HCV 8002 448-6S   | 114.93                          | 115.51          | 42                         | 2.1                                       | 415.2                       | 54.8                                  | 2 × 800                  | 6P-Y                                 | 1600                   | 3.1                        | 27756                              | 2×42                              | 2×28              | 387                          |
| HCV 8003 538-6D   | 211                             | 212.68          | 53                         | 2.1                                       | 500.7                       | 66.1                                  | 3 × 800                  | 6P-Δ                                 | 4800                   | 10.5                       | 59816                              | 2×54                              | 2×35              | 520                          |
| HCV 8003 538-6S   | 164.12                          | 165.13          | 44                         | 2.1                                       | 500.7                       | 66.1                                  | 3 × 800                  | 6P-Y                                 | 2400                   | 4.7                        | 43116                              | 2×54                              | 2×35              | 520                          |
| HCV 8003 673-6D   | 227.69                          | 229.22          | 53                         | 2.1                                       | 625.8                       | 82.6                                  | 3 × 800                  | 6P-Δ                                 | 4800                   | 10.5                       | 58347                              | 2×54                              | 2×35              | 564                          |
| HCV 8003 673-6S   | 173.05                          | 173.86          | 44                         | 2.1                                       | 625.8                       | 82.6                                  | 3 × 800                  | 6P-Y                                 | 2400                   | 4.7                        | 41689                              | 2×54                              | 2×35              | 564                          |
| HCV 8004 721-6D   | 282.29                          | 284.34          | 54                         | 2.1                                       | 669.2                       | 88.3                                  | 4 × 800                  | 6P-Δ                                 | 6400                   | 14.0                       | 79787                              | 2×54                              | 2×35              | 677                          |
| HCV 8004 721-6S   | 219.05                          | 220.25          | 45                         | 2.1                                       | 669.2                       | 88.3                                  | 4 × 800                  | 6P-Y                                 | 3200                   | 6.2                        | 57520                              | 2×54                              | 2×35              | 677                          |
| HCV 8004 901-6D   | 298.92                          | 301.89          | 54                         | 2.1                                       | 836.5                       | 110.4                                 | 4 × 800                  | 6P-Δ                                 | 6400                   | 14.0                       | 77838                              | 2×54                              | 2×35              | 736                          |
| HCV 8004 901-6S   | 229.24                          | 230.77          | 45                         | 2.1                                       | 836.5                       | 110.4                                 | 4 × 800                  | 6P-Y                                 | 3200                   | 6.2                        | 55622                              | 2×54                              | 2×35              | 736                          |
| HCV 8005 902-6D   | 350.8                           | 353.93          | 55                         | 2.1                                       | 837.7                       | 110.6                                 | 5 × 800                  | 6P-Δ                                 | 8000                   | 17.5                       | 99759                              | 2×67                              | 2×42              | 834                          |
| HCV 8005 902-6S   | 273.62                          | 275.43          | 46                         | 2.1                                       | 837.7                       | 110.6                                 | 5 × 800                  | 6P-Y                                 | 4000                   | 7.8                        | 71924                              | 2×67                              | 2×42              | 834                          |
| HCV 8005 1128-6D  | 379.08                          | 381.85          | 55                         | 2.1                                       | 1047.1                      | 138.2                                 | 5 × 800                  | 6P-Δ                                 | 8000                   | 17.5                       | 97328                              | 2×67                              | 2×42              | 908                          |
| HCV 8005 1128-6S  | 288.73                          | 290.13          | 46                         | 2.1                                       | 1047.1                      | 138.2                                 | 5 × 800                  | 6P-Y                                 | 4000                   | 7.8                        | 69555                              | 2×67                              | 2×42              | 908                          |
| HCV 8006 1084-6D  | 414.01                          | 419.01          | 56                         | 2.1                                       | 1006.2                      | 132.8                                 | 6 × 800                  | 6P-Δ                                 | 9600                   | 21.0                       | 119730                             | 2×67                              | 2×42              | 992                          |
| HCV 8006 1084-6S  | 325.44                          | 328.19          | 47                         | 2.1                                       | 1006.2                      | 132.8                                 | 6 × 800                  | 6P-Y                                 | 4800                   | 9.3                        | 86328                              | 2×67                              | 2×42              | 992                          |
| HCV 8006 1355-6D  | 449.21                          | 453.61          | 56                         | 2.1                                       | 1257.7                      | 166.0                                 | 6 × 800                  | 6P-Δ                                 | 9600                   | 21.0                       | 116818                             | 2×67                              | 2×42              | 1081                         |
| HCV 8006 1355-6S  | 344.39                          | 346.66          | 47                         | 2.1                                       | 1257.7                      | 166.0                                 | 6 × 800                  | 6P-Y                                 | 4800                   | 9.3                        | 83487                              | 2×67                              | 2×42              | 1081                         |

CONDENSERS/GAS COOLERS

## AVAILABLE OPTIONS FOR HCV SERIES:

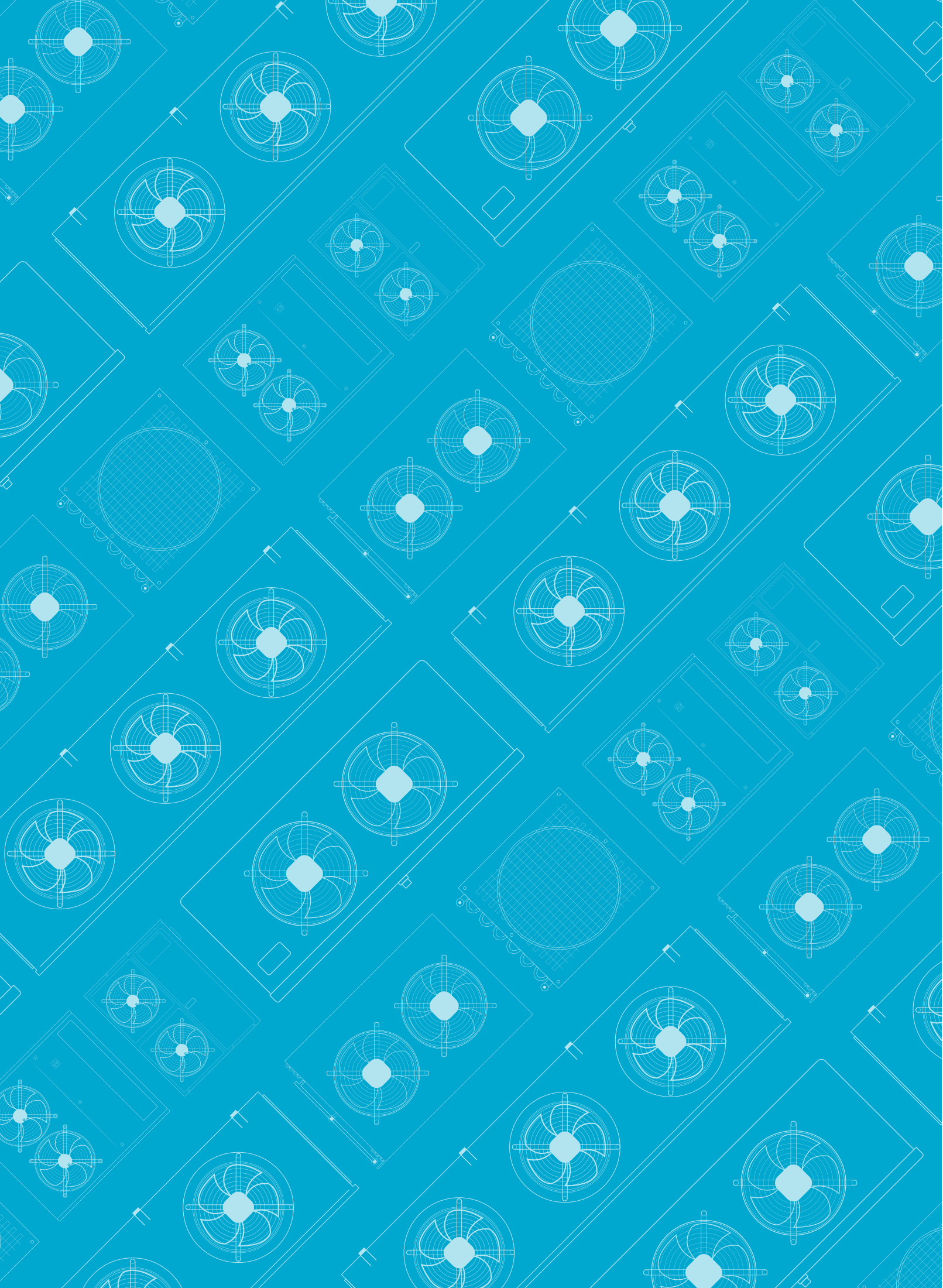
### Casing options:

- Coated on customer's request

## OPCIONES DISPONIBLES PARA LA SERIE HCV:

### Opciones carcasa:

- Recubierto a petición del cliente





## CONDENSERS

### CONDENSADORES

The exchange coils used in the HCH range are highly efficient with special profile aluminum fins and  $\varnothing 9.52$  mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

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.

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

## HCH SERIES CONDENSERS

### CONDENSADORES SERIE HCH

Los serpentines de intercambio utilizados en la gama HCH son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 9.52$  mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

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.

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



## HCH SERIES CONDENSERS

### CONDENSADORES SERIE HCH

The standard electric fans used in this range have the following characteristics:

-ø630 mm: three-phase 400V/3/50 Hz with external rotor, with L-type grille and nozzle (long mouth). Operating temperature -40°C to +50°C.

-ø800 mm: three-phase 400V/3/50 Hz with external rotor, with ZN-type grille and nozzle (long mouth). Operating temperature -40°C to +50°C.

White coated galvanized steel casing with high resistance to corrosion and impacts.

For performance at work points other than those in this catalog, use the "Unit Selector Hybrid HISPANIA" software.

For special applications and additional information consult our Technical Department.

Los motoventiladores eléctricos estándar utilizados en esta gama tienen las siguientes características:

-ø630 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo L (embocadura larga). Temperatura de funcionamiento -40°C a +50°C.

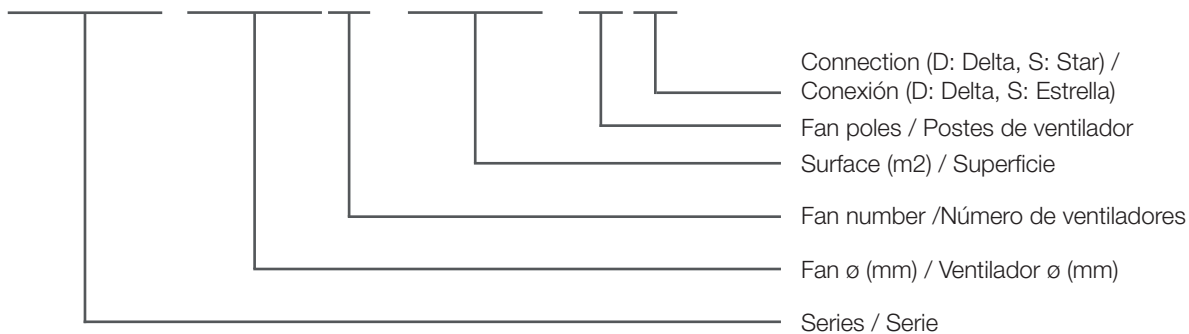
-ø800 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo ZN (embocadura larga). Temperatura de funcionamiento -40°C a +50°C.

Carcasa de acero galvanizado con recubrimiento blanco con alta resistencia a la corrosión y a los impactos.

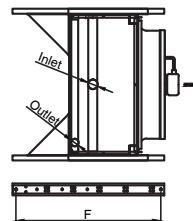
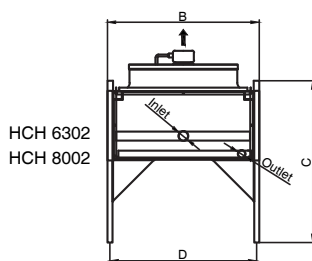
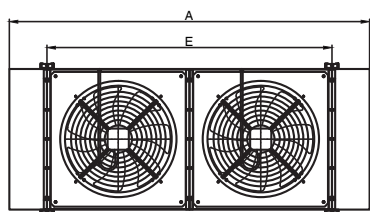
Para trabajos con distintos rendimientos a los de este catálogo utilice el software "Unit Selector Hybrid HISPANIA".

Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

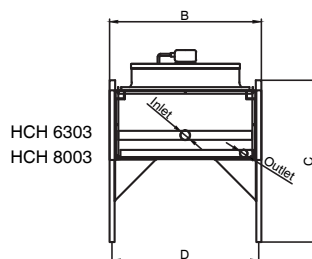
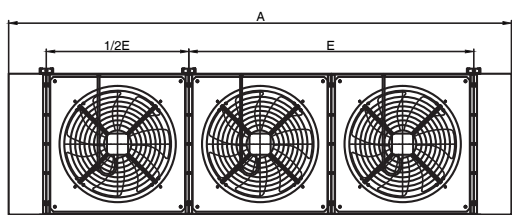
## HCH 6303-166-4D



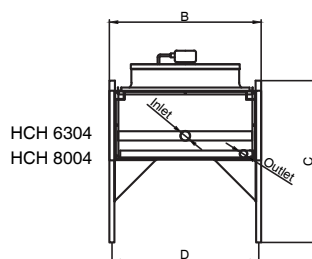
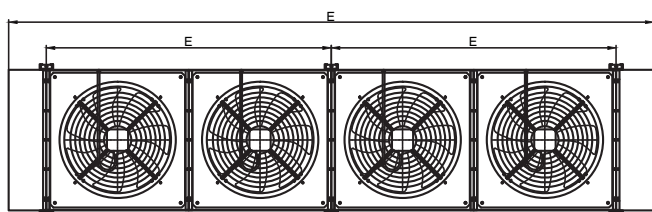




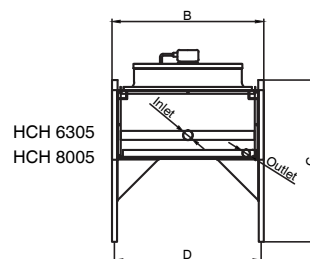
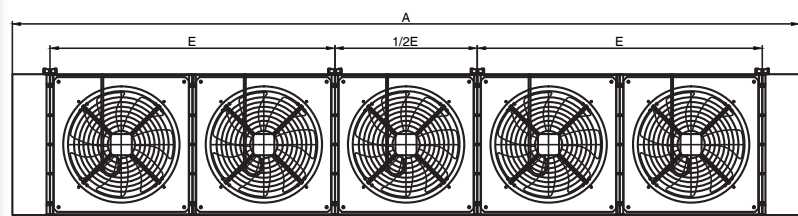
HCH 6302  
HCH 8002



HCH 6303  
HCH 8003



HCH 6304  
HCH 8004

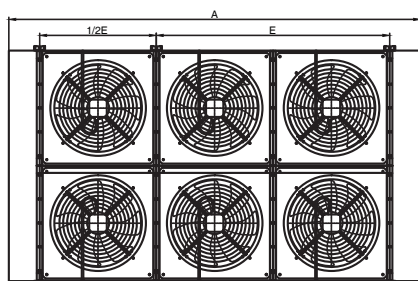


HCH 6305  
HCH 8005

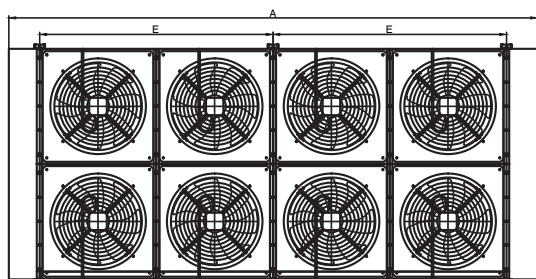
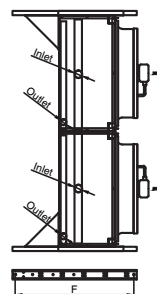
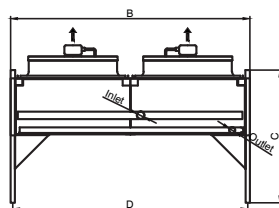
| Model /<br>Model | Dimensions / Dimensiones (mm) |      |      |      |      |     |
|------------------|-------------------------------|------|------|------|------|-----|
|                  | A                             | B    | C    | D    | E    | F   |
| HCH 6302...      | 2150                          | 906  | 965  | 884  | 1700 | 865 |
| HCH 6303...      | 3000                          | 906  | 965  | 884  | 1700 | 865 |
| HCH 6304...      | 3850                          | 906  | 965  | 884  | 1700 | 865 |
| HCH 6305...      | 4700                          | 906  | 965  | 884  | 1700 | 865 |
| HCH 8002...      | 2610                          | 1206 | 1030 | 1182 | 2200 | 938 |
| HCH 8003...      | 3710                          | 1206 | 1030 | 1182 | 2200 | 938 |
| HCH 8004...      | 4810                          | 1206 | 1030 | 1182 | 2200 | 938 |
| HCH 8005...      | 5910                          | 1206 | 1030 | 1182 | 2200 | 938 |

# HCH SERIES CONDENSERS

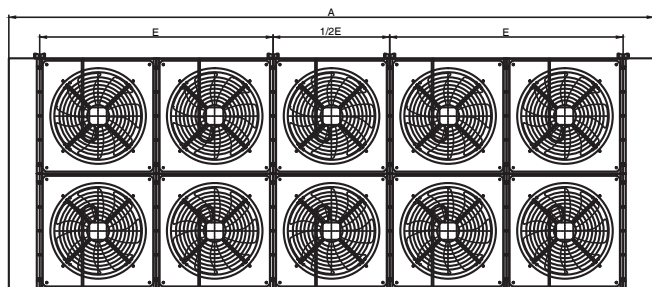
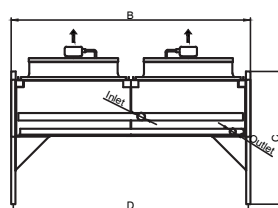
## CONDENSADORES SERIE HCH



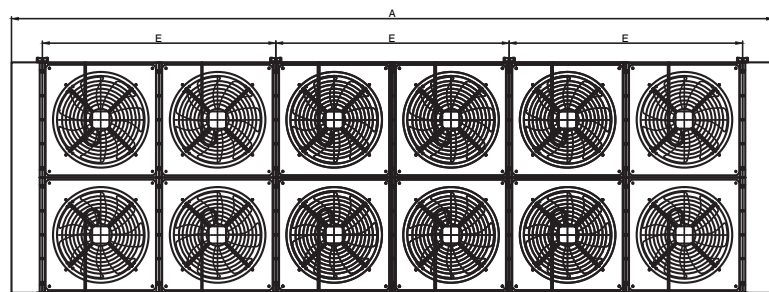
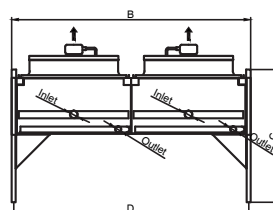
HCH 6306  
HCH 8006



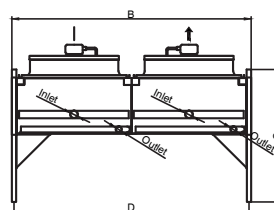
HCH 6308  
HCH 8008



HCH 63010  
HCH 80010



HCH 63012



| Model /<br>Model | Dimensions / Dimensiones (mm) |      |      |      |      |     |
|------------------|-------------------------------|------|------|------|------|-----|
|                  | A                             | B    | C    | D    | E    | F   |
| HCH 6306...      | 3000                          | 1746 | 965  | 1724 | 1700 | 865 |
| HCH 6308...      | 3850                          | 1746 | 965  | 1724 | 1700 | 865 |
| HCH 63010...     | 4700                          | 1746 | 965  | 1724 | 1700 | 865 |
| HCH 63012...     | 5550                          | 1746 | 965  | 1724 | 1700 | 865 |
| HCH 8006...      | 3710                          | 2346 | 1030 | 2322 | 2200 | 938 |
| HCH 8008...      | 4810                          | 2346 | 1030 | 2322 | 2200 | 938 |
| HCH 80010...     | 5910                          | 2346 | 1030 | 2322 | 2200 | 938 |

| Model /<br>Modelo | Capacity /<br>Capacidad<br>(kW) |                 | Sound<br>Pressure<br>Level | Espacio entre aletas/<br>Fin Spacing (mm) | Superficie/<br>Surface (m²) | Tube Volume/<br>Volumen Interno (dm³) | Ventilador<br>Ventilator |                                      |                        |                            |                                    | Connection/<br>Conexión<br>(ø mm) |                   | N.W/<br>Peso<br>Neto<br>(kg) |
|-------------------|---------------------------------|-----------------|----------------------------|-------------------------------------------|-----------------------------|---------------------------------------|--------------------------|--------------------------------------|------------------------|----------------------------|------------------------------------|-----------------------------------|-------------------|------------------------------|
|                   | R404A                           | R448A/<br>R449A | dist=10m                   |                                           |                             |                                       | N° x Ø<br>(mm)           | Pole connection<br>Conexión de polos | Power/<br>Potencia (W) | Current/<br>Intensidad (A) | Volumen de Aire<br>Air Flow (m3/h) | Inlet/<br>Entrada                 | Outlet/<br>Salida |                              |
|                   | DT1=15K                         | DT1=15K         | dBA                        |                                           |                             |                                       |                          |                                      |                        |                            |                                    |                                   |                   |                              |
| HCH 6302 110-4D   | 80.2                            | 81.14           | 59                         | 2.1                                       | 101.5                       | 13.4                                  | 2x630                    | 4P-Δ                                 | 5400                   | 10.0                       | 29903                              | 35                                | 22                | 210                          |
| HCH 6302 110-4S   | 67.59                           | 68.27           | 54                         | 2.1                                       | 101.5                       | 13.4                                  | 2x630                    | 4P-Y                                 | 3500                   | 5.8                        | 23013                              | 35                                | 22                | 210                          |
| HCH 6302 164-4D   | 92.2                            | 93.03           | 59                         | 2.1                                       | 152.2                       | 20.1                                  | 2x630                    | 4P-Δ                                 | 5400                   | 10.0                       | 26409                              | 35                                | 22                | 228                          |
| HCH 6302 164-4S   | 75.08                           | 75.65           | 54                         | 2.1                                       | 152.2                       | 20.1                                  | 2x630                    | 4P-Y                                 | 3500                   | 5.8                        | 20100                              | 35                                | 22                | 228                          |
| HCH 6303 166-4D   | 120.15                          | 121.45          | 61                         | 2.1                                       | 153.4                       | 20.3                                  | 3x630                    | 4P-Δ                                 | 8100                   | 15.0                       | 44991                              | 42                                | 28                | 303                          |
| HCH 6303 166-4S   | 100.91                          | 101.9           | 56                         | 2.1                                       | 153.4                       | 20.3                                  | 3x630                    | 4P-Y                                 | 5250                   | 8.7                        | 34665                              | 42                                | 28                | 303                          |
| HCH 6303 248-4D   | 139.19                          | 140.51          | 61                         | 2.1                                       | 230.2                       | 30.4                                  | 3x630                    | 4P-Δ                                 | 8100                   | 15.0                       | 39819                              | 42                                | 28                | 331                          |
| HCH 6303 248-4S   | 113.49                          | 114.38          | 56                         | 2.1                                       | 230.2                       | 30.4                                  | 3x630                    | 4P-Y                                 | 5250                   | 8.7                        | 30295                              | 42                                | 28                | 331                          |
| HCH 6304 222-4D   | 162                             | 163.84          | 62                         | 2.1                                       | 205.4                       | 27.1                                  | 4x630                    | 4P-Δ                                 | 10800                  | 20.0                       | 60078                              | 54                                | 35                | 379                          |
| HCH 6304 222-4S   | 136.57                          | 137.91          | 57                         | 2.1                                       | 205.4                       | 27.1                                  | 4x630                    | 4P-Y                                 | 7000                   | 11.6                       | 46315                              | 54                                | 35                | 379                          |
| HCH 6304 333-4D   | 186.4                           | 188.04          | 62                         | 2.1                                       | 308.1                       | 40.7                                  | 4x630                    | 4P-Δ                                 | 10800                  | 20.0                       | 53227                              | 54                                | 35                | 415                          |
| HCH 6304 333-4S   | 151.65                          | 152.77          | 57                         | 2.1                                       | 308.1                       | 40.7                                  | 4x630                    | 4P-Y                                 | 7000                   | 11.6                       | 40490                              | 54                                | 35                | 415                          |
| HCH 6305 278-4D   | 200.32                          | 203.24          | 63                         | 2.1                                       | 257.4                       | 34.0                                  | 5x630                    | 4P-Δ                                 | 13500                  | 25.0                       | 75164                              | 67                                | 42                | 473                          |
| HCH 6305 278-4S   | 170.02                          | 172.03          | 58                         | 2.1                                       | 257.4                       | 34.0                                  | 5x630                    | 4P-Y                                 | 8750                   | 14.5                       | 57966                              | 67                                | 42                | 473                          |
| HCH 6305 417-4D   | 232.39                          | 234.82          | 63                         | 2.1                                       | 386.0                       | 51.0                                  | 5x630                    | 4P-Δ                                 | 13500                  | 25.0                       | 66636                              | 67                                | 42                | 518                          |
| HCH 6305 417-4S   | 189.9                           | 191.45          | 58                         | 2.1                                       | 386.0                       | 51.0                                  | 5x630                    | 4P-Y                                 | 8750                   | 14.5                       | 50684                              | 67                                | 42                | 518                          |
| HCH 6306 331-4D   | 240.29                          | 242.89          | 64                         | 2.1                                       | 306.9                       | 40.5                                  | 6x630                    | 4P-Δ                                 | 16200                  | 30.0                       | 89981                              | 2x42                              | 2x28              | 552                          |
| HCH 6306 331-4S   | 201.82                          | 203.8           | 59                         | 2.1                                       | 306.9                       | 40.5                                  | 6x630                    | 4P-Y                                 | 10500                  | 17.4                       | 69329                              | 2x42                              | 2x28              | 552                          |
| HCH 6306 497-4D   | 278.39                          | 281.01          | 64                         | 2.1                                       | 460.3                       | 60.8                                  | 6x630                    | 4P-Δ                                 | 16200                  | 30.0                       | 79637                              | 2x42                              | 2x28              | 607                          |
| HCH 6306 497-4S   | 226.99                          | 228.75          | 59                         | 2.1                                       | 460.3                       | 60.8                                  | 6x630                    | 4P-Y                                 | 10500                  | 17.4                       | 60590                              | 2x42                              | 2x28              | 607                          |
| HCH 6308 443-4D   | 324                             | 327.68          | 65                         | 2.1                                       | 410.8                       | 54.2                                  | 8x630                    | 4P-Δ                                 | 21600                  | 40.0                       | 120155                             | 2x54                              | 2x35              | 695                          |
| HCH 6308 443-4S   | 273.15                          | 275.81          | 60                         | 2.1                                       | 410.8                       | 54.2                                  | 8x630                    | 4P-Y                                 | 14000                  | 23.2                       | 92630                              | 2x54                              | 2x35              | 695                          |
| HCH 6308 665-4D   | 372.81                          | 376.09          | 65                         | 2.1                                       | 616.2                       | 81.4                                  | 8x630                    | 4P-Δ                                 | 21600                  | 40.0                       | 106454                             | 2x54                              | 2x35              | 768                          |
| HCH 6308 665-4S   | 303.3                           | 305.55          | 60                         | 2.1                                       | 616.2                       | 81.4                                  | 8x630                    | 4P-Y                                 | 14000                  | 23.2                       | 80979                              | 2x54                              | 2x35              | 768                          |
| HCH 63010 556-4D  | 400.65                          | 406.47          | 66                         | 2.1                                       | 514.7                       | 68.0                                  | 10x630                   | 4P-Δ                                 | 27000                  | 50.0                       | 150328                             | 2x67                              | 2x42              | 865                          |
| HCH 63010 556-4S  | 340.03                          | 344.05          | 61                         | 2.1                                       | 514.7                       | 68.0                                  | 10x630                   | 4P-Y                                 | 17500                  | 29.0                       | 115931                             | 2x67                              | 2x42              | 865                          |
| HCH 63010 833-4D  | 464.79                          | 469.63          | 66                         | 2.1                                       | 772.1                       | 101.9                                 | 10x630                   | 4P-Δ                                 | 27000                  | 50.0                       | 133272                             | 2x67                              | 2x42              | 956                          |
| HCH 63010 833-4S  | 379.79                          | 382.9           | 61                         | 2.1                                       | 772.1                       | 101.9                                 | 10x630                   | 4P-Y                                 | 17500                  | 29.0                       | 101367                             | 2x67                              | 2x42              | 956                          |
| HCH 63012 668-4D  | 468.07                          | 477.07          | 67                         | 2.1                                       | 618.7                       | 81.7                                  | 12x630                   | 4P-Δ                                 | 32400                  | 60.0                       | 180501                             | 2x67                              | 2x42              | 1010                         |
| HCH 63012 668-4S  | 400.76                          | 406.96          | 62                         | 2.1                                       | 618.7                       | 81.7                                  | 12x630                   | 4P-Y                                 | 21000                  | 34.8                       | 139232                             | 2x67                              | 2x42              | 1010                         |
| HCH 63012 1002-4D | 549.2                           | 556.71          | 67                         | 2.1                                       | 928.0                       | 122.5                                 | 12x630                   | 4P-Δ                                 | 32400                  | 60.0                       | 160089                             | 2x67                              | 2x42              | 1119                         |
| HCH 63012 1002-4S | 451.78                          | 456.45          | 62                         | 2.1                                       | 928.0                       | 122.5                                 | 12x630                   | 4P-Y                                 | 21000                  | 34.8                       | 121755                             | 2x67                              | 2x42              | 1119                         |

# HCH SERIES CONDENSERS

## CONDENSADORES SERIE HCH

| Model /<br>Modelo | Capacity /<br>Capacidad<br>(kW) |                 | Sound<br>Pressure<br>Level | Espacio entre aletas/<br>Fin Spacing (mm) | Superficie/<br>Surface (m²) | Tube Volume/<br>Volumen Interno (dm³) | Ventilador<br>Ventilator |                                      |                        |                            |                                    | Connection/<br>Conexión<br>(ø mm) |                   | N.W/<br>Peso<br>Neto<br>(kg) |
|-------------------|---------------------------------|-----------------|----------------------------|-------------------------------------------|-----------------------------|---------------------------------------|--------------------------|--------------------------------------|------------------------|----------------------------|------------------------------------|-----------------------------------|-------------------|------------------------------|
|                   | R404A                           | R448A/<br>R449A | dist=10m                   |                                           |                             |                                       | N° x Ø<br>(mm)           | Pole connection<br>Conexión de polos | Power/<br>Potencia (W) | Current/<br>Intensidad (A) | Volumen de Aire<br>Air Flow (m3/h) | Inlet/<br>Entrada                 | Outlet/<br>Salida |                              |
|                   | DT1=15K                         | DT1=15K         | dBA                        |                                           |                             |                                       |                          |                                      |                        |                            |                                    |                                   |                   |                              |
| HCH 8002 200-6D   | 106.36                          | 107.53          | 51                         | 2.1                                       | 184.9                       | 24.4                                  | 2x800                    | 6P-Δ                                 | 3200                   | 7.0                        | 34121                              | 54                                | 35                | 335                          |
| HCH 8002 200-6S   | 81.52                           | 82.18           | 42                         | 2.1                                       | 184.9                       | 24.4                                  | 2x800                    | 6P-Y                                 | 1600                   | 3.1                        | 23455                              | 54                                | 35                | 335                          |
| HCH 8002 299-6D   | 118.19                          | 119.07          | 51                         | 2.1                                       | 277.4                       | 36.6                                  | 2x800                    | 6P-Δ                                 | 3200                   | 7.0                        | 30353                              | 54                                | 35                | 368                          |
| HCH 8002 299-6S   | 86.22                           | 86.65           | 42                         | 2.1                                       | 277.4                       | 36.6                                  | 2x800                    | 6P-Y                                 | 1600                   | 3.1                        | 20592                              | 54                                | 35                | 368                          |
| HCH 8003 301-6D   | 161.14                          | 162.54          | 53                         | 2.1                                       | 279.1                       | 36.8                                  | 3x800                    | 6P-Δ                                 | 4800                   | 10.5                       | 51318                              | 54                                | 35                | 484                          |
| HCH 8003 301-6S   | 122.56                          | 123.41          | 44                         | 2.1                                       | 279.1                       | 36.8                                  | 3x800                    | 6P-Y                                 | 2400                   | 4.7                        | 35289                              | 54                                | 35                | 484                          |
| HCH 8003 452-6D   | 177.25                          | 178.75          | 53                         | 2.1                                       | 418.6                       | 55.3                                  | 3x800                    | 6P-Δ                                 | 4800                   | 10.5                       | 45677                              | 54                                | 35                | 533                          |
| HCH 8003 452-6S   | 129.73                          | 130.49          | 44                         | 2.1                                       | 418.6                       | 55.3                                  | 3x800                    | 6P-Y                                 | 2400                   | 4.7                        | 30997                              | 54                                | 35                | 533                          |
| HCH 8004 403-6D   | 214.38                          | 216.66          | 54                         | 2.1                                       | 373.2                       | 49.3                                  | 4x800                    | 6P-Δ                                 | 6400                   | 14.0                       | 68514                              | 67                                | 42                | 612                          |
| HCH 8004 403-6S   | 164.22                          | 165.51          | 45                         | 2.1                                       | 373.2                       | 49.3                                  | 4x800                    | 6P-Y                                 | 3200                   | 6.2                        | 47122                              | 67                                | 42                | 612                          |
| HCH 8004 604-6D   | 229.35                          | 232.57          | 54                         | 2.1                                       | 559.8                       | 73.9                                  | 4x800                    | 6P-Δ                                 | 6400                   | 14.0                       | 61001                              | 67                                | 42                | 677                          |
| HCH 8004 604-6S   | 170.53                          | 172.02          | 45                         | 2.1                                       | 559.8                       | 73.9                                  | 4x800                    | 6P-Y                                 | 3200                   | 6.2                        | 41401                              | 67                                | 42                | 677                          |
| HCH 8005 504-6D   | 262.07                          | 266.01          | 55                         | 2.1                                       | 467.4                       | 61.7                                  | 5x800                    | 6P-Δ                                 | 8000                   | 17.5                       | 85710                              | 67                                | 42                | 759                          |
| HCH 8005 504-6S   | 203.1                           | 205.22          | 46                         | 2.1                                       | 467.4                       | 61.7                                  | 5x800                    | 6P-Y                                 | 4000                   | 7.8                        | 58956                              | 67                                | 42                | 759                          |
| HCH 8005 757-6D   | 294.26                          | 297.15          | 55                         | 2.1                                       | 701.0                       | 92.6                                  | 5x800                    | 6P-Δ                                 | 8000                   | 17.5                       | 76324                              | 67                                | 42                | 842                          |
| HCH 8005 757-6S   | 216.28                          | 217.66          | 46                         | 2.1                                       | 701.0                       | 92.6                                  | 5x800                    | 6P-Y                                 | 4000                   | 7.8                        | 51805                              | 67                                | 42                | 842                          |
| HCH 8006 602-6D   | 322.27                          | 325.08          | 56                         | 2.1                                       | 558.1                       | 73.7                                  | 6x800                    | 6P-Δ                                 | 9600                   | 21.0                       | 102635                             | 2x54                              | 2x35              | 864                          |
| HCH 8006 602-6S   | 245.13                          | 246.81          | 47                         | 2.1                                       | 558.1                       | 73.7                                  | 6x800                    | 6P-Y                                 | 4800                   | 9.3                        | 70577                              | 2x54                              | 2x35              | 864                          |
| HCH 8006 904-6D   | 354.5                           | 357.5           | 56                         | 2.1                                       | 837.2                       | 110.5                                 | 6x800                    | 6P-Δ                                 | 9600                   | 21.0                       | 91354                              | 2x54                              | 2x35              | 963                          |
| HCH 8006 904-6S   | 259.46                          | 260.98          | 47                         | 2.1                                       | 837.2                       | 110.5                                 | 6x800                    | 6P-Y                                 | 4800                   | 9.3                        | 61993                              | 2x54                              | 2x35              | 963                          |
| HCH 8008 806-6D   | 428.75                          | 433.32          | 57                         | 2.1                                       | 746.4                       | 98.5                                  | 8x800                    | 6P-Δ                                 | 12800                  | 28.0                       | 137027                             | 2x67                              | 2x42              | 1094                         |
| HCH 8008 806-6S   | 328.44                          | 331.02          | 48                         | 2.1                                       | 746.4                       | 98.5                                  | 8x800                    | 6P-Y                                 | 6400                   | 12.4                       | 94244                              | 2x67                              | 2x42              | 1094                         |
| HCH 8008 1208-6D  | 458.71                          | 465.14          | 57                         | 2.1                                       | 1119.6                      | 147.8                                 | 8x800                    | 6P-Δ                                 | 12800                  | 28.0                       | 122001                             | 2x67                              | 2x42              | 1225                         |
| HCH 8008 1208-6S  | 341.06                          | 344.05          | 48                         | 2.1                                       | 1119.6                      | 147.8                                 | 8x800                    | 6P-Y                                 | 6400                   | 12.4                       | 82801                              | 2x67                              | 2x42              | 1225                         |
| HCH 80010 1009-6D | 524.13                          | 532.02          | 58                         | 2.1                                       | 934.7                       | 123.4                                 | 10x800                   | 6P-Δ                                 | 16000                  | 35.0                       | 171419                             | 2x67                              | 2x42              | 1351                         |
| HCH 80010 1009-6S | 406.2                           | 410.43          | 49                         | 2.1                                       | 934.7                       | 123.4                                 | 10x800                   | 6P-Y                                 | 8000                   | 15.5                       | 117911                             | 2x67                              | 2x42              | 1351                         |
| HCH 80010 1513-6D | 588.52                          | 594.31          | 58                         | 2.1                                       | 1402.1                      | 185.1                                 | 10x800                   | 6P-Δ                                 | 16000                  | 35.0                       | 152648                             | 2x67                              | 2x42              | 1516                         |
| HCH 80010 1513-6S | 432.55                          | 435.32          | 49                         | 2.1                                       | 1402.1                      | 185.1                                 | 10x800                   | 6P-Y                                 | 8000                   | 15.5                       | 103609                             | 2x67                              | 2x42              | 1516                         |

CONDENSERS/GAS COOLERS

## AVAILABLE OPTIONS FOR HCV SERIES:

### Casing options:

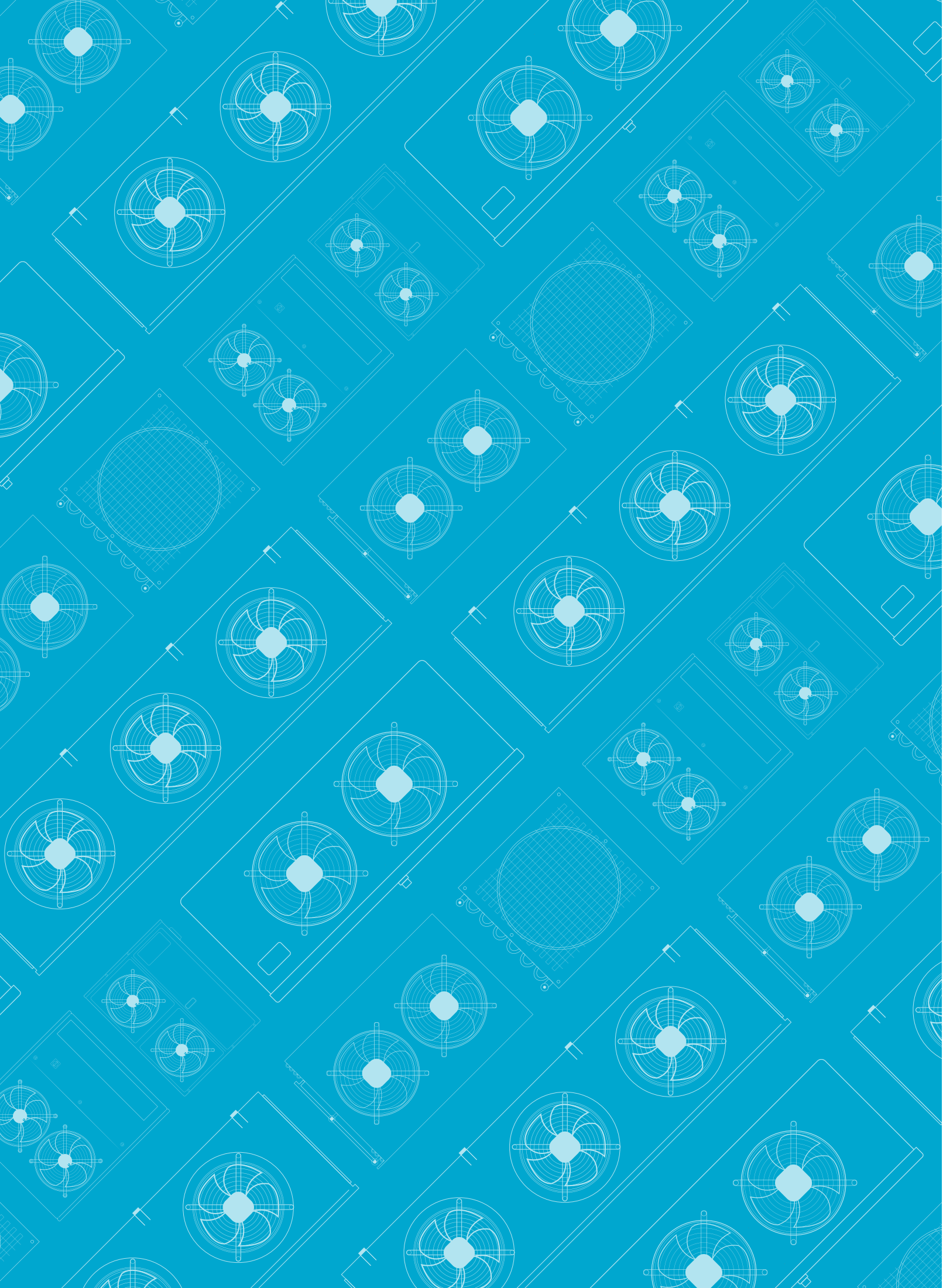
- Coated on customer's request

## OPCIONES DISPONIBLES PARA LA SERIE HCV:

### Opciones carcasa:

- Recubierto a petición del cliente









## CONDENSERS CONDENSADORES

The exchange coils used in the HCVD range are highly efficient with special profile aluminum fins and  $\varnothing 9.52$  mm internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

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.

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

## HCVD SERIES CONDENSERS CONDENSADORES SERIE HCVD

Los serpentines de intercambio utilizados en la gama HCVD son de alta eficiencia con aletas de aluminio de perfil especial y  $\varnothing 9.52$  mm tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

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.

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

## HCVD SERIES CONDENSERS

### CONDENSADORES SERIE HCVD

The standard electric fans used in this range have the following characteristics:

-ø800 mm: three-phase 400V/3/50 Hz with external rotor, with ZN-type grille and nozzle (long mouth). Operating temperature -40°C to +50°C.

White coated galvanized steel casing with high resistance to corrosion and impacts.

For performance at work points other than those in this catalog, use the "Unit Selector Hybrid HISPANIA" software.

For special applications and additional information consult our Technical Department.

Los motoventiladores eléctricos estándar utilizados en esta gama tienen las siguientes características:

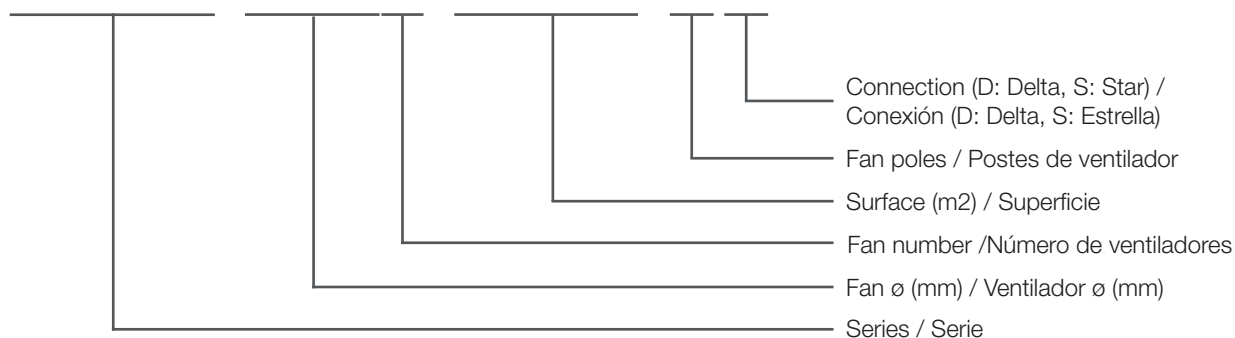
-ø800 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo ZN (embocadura larga). Temperatura de funcionamiento -40°C a +50°C.

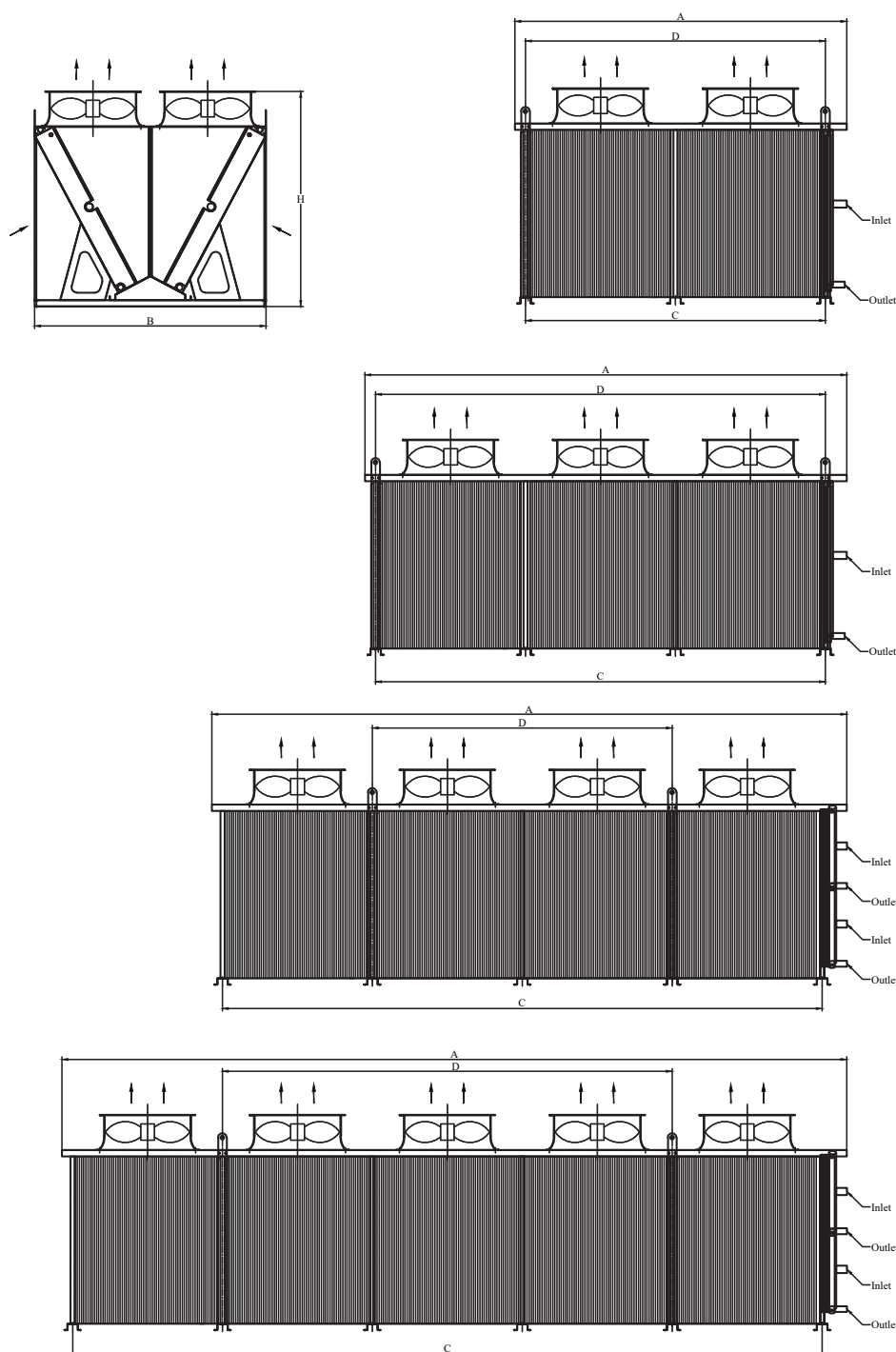
Carcasa de acero galvanizado con recubrimiento blanco con alta resistencia a la corrosión y a los impactos.

Para trabajos con distintos rendimientos a los de este catálogo utilice el software "Unit Selector Hybrid HISPANIA".

Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

## HCVD 8006 1049-6D

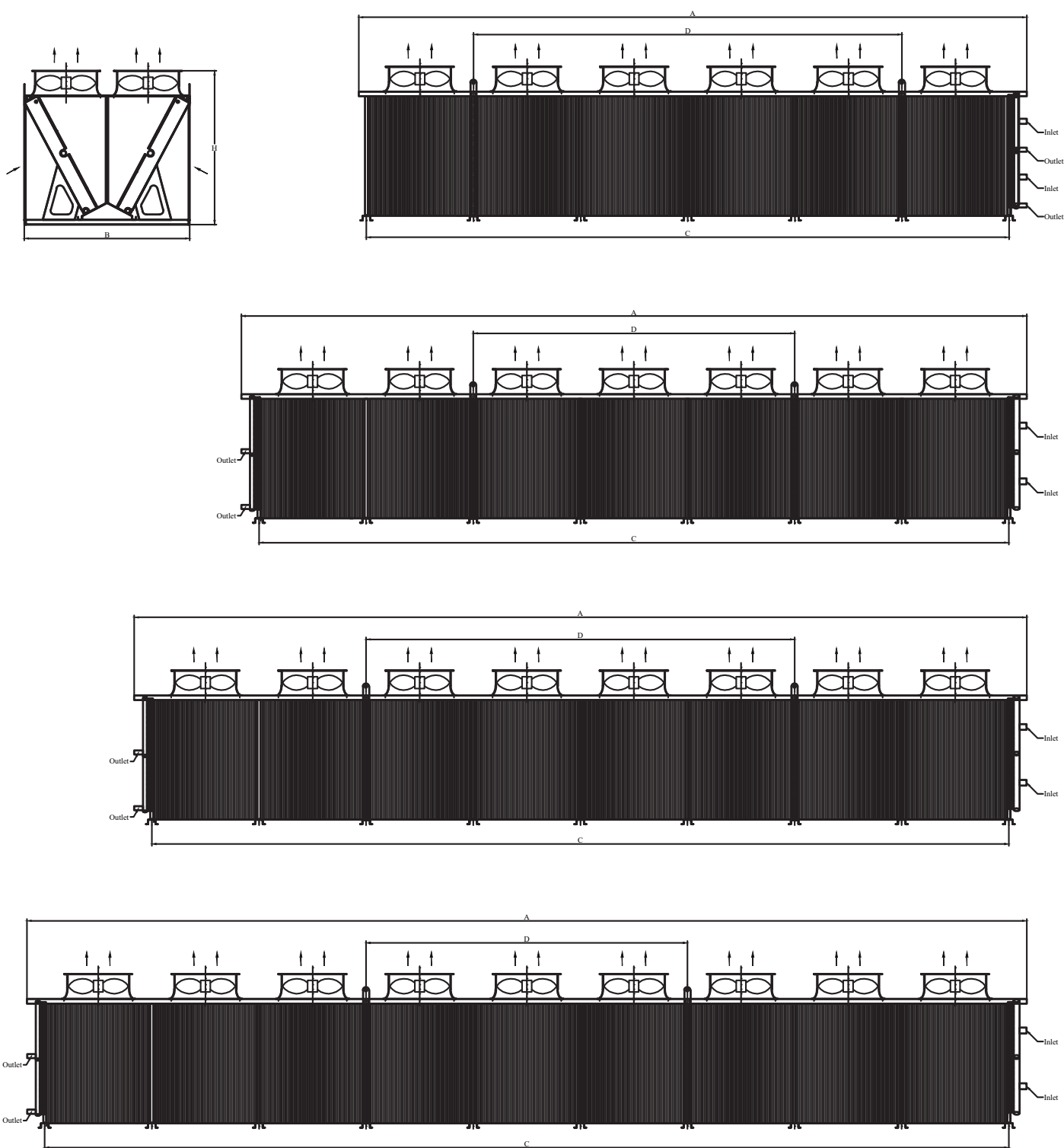




| Model /<br>Model | Dimensions / Dimensiones (mm) |      |       |      |      |
|------------------|-------------------------------|------|-------|------|------|
|                  | A                             | B    | C     | D    | H    |
| HCVD 8004...     | 3100                          | 2160 | 2800  | 2800 | 2010 |
| HCVD 8006...     | 4500                          | 2160 | 4200  | 4200 | 2010 |
| HCVD 8008...     | 5930                          | 2160 | 5600  | 2800 | 2010 |
| HCVD 8010...     | 7330                          | 2160 | 7000  | 4200 | 2010 |
| HCVD 8012...     | 8730                          | 2160 | 8400  | 5600 | 2010 |
| HCVD 8014...     | 10265                         | 2160 | 9800  | 4200 | 2010 |
| HCVD 8016...     | 11665                         | 2160 | 11200 | 5600 | 2010 |
| HCVD 8018...     | 13065                         | 2160 | 12600 | 4200 | 2010 |

# HCVD SERIES CONDENSERS

## CONDENSADORES SERIE HCVD



CONDENSERS/GAS COOLERS

| Model /<br>Modelo  | Capacity /<br>Capacidad<br>(kW) |                 | Sound<br>Pres-<br>sure<br>Level | Espacio entre aletas/<br>Fin Spacing (mm) | Superficie/<br>Surface (m²) | Tube Volume/<br>Volumen Interno (dm³) | Ventilador<br>Ventilator |                |                                      |                        |                            | Connection/<br>Conexión<br>(ø mm)  |                   | N.W/<br>Peso<br>Neto<br>(kg) |
|--------------------|---------------------------------|-----------------|---------------------------------|-------------------------------------------|-----------------------------|---------------------------------------|--------------------------|----------------|--------------------------------------|------------------------|----------------------------|------------------------------------|-------------------|------------------------------|
|                    | R404A                           | R448A/<br>R449A |                                 |                                           |                             |                                       | dis-<br>t=10m            | N° x Ø<br>(mm) | Pole connection<br>Conexión de polos | Power/<br>Potencia (W) | Current/<br>Intensidad (A) | Volumen de Aire<br>Air Flow (m3/h) | Inlet/<br>Entrada |                              |
|                    | DT1=15K                         | DT1=15K         | dBA                             |                                           |                             |                                       |                          |                |                                      |                        |                            |                                    |                   |                              |
| HCVD 8004 696-6D   | 282.45                          | 284.52          | 44                              | 2.1                                       | 696                         | 92                                    | 4 × 800                  | 6P-Δ           | 6.4                                  | 14.0                   | 80308                      | 2×67                               | 2×54              | 934                          |
| HCVD 8004 696-6S   | 218.87                          | 220.27          | 35                              | 2.1                                       | 696                         | 92                                    | 4 × 800                  | 6P-Y           | 3.2                                  | 6.2                    | 58042                      | 2×67                               | 2×54              | 934                          |
| HCVD 8004 870-6D   | 304.35                          | 306.33          | 44                              | 2.1                                       | 870                         | 114                                   | 4 × 800                  | 6P-Δ           | 6.4                                  | 14.0                   | 78466                      | 2×67                               | 2×54              | 1333                         |
| HCVD 8004 870-6S   | 230.87                          | 232.14          | 35                              | 2.1                                       | 870                         | 114                                   | 4 × 800                  | 6P-Y           | 3.2                                  | 6.2                    | 56210                      | 2×67                               | 2×54              | 1333                         |
| HCVD 8004 1044-6D  | 317.38                          | 319.18          | 44                              | 2.1                                       | 1044                        | 138                                   | 4 × 800                  | 6P-Δ           | 6.4                                  | 14.0                   | 76609                      | 4×67                               | 4×54              | 1736                         |
| HCVD 8004 1044-6S  | 236.75                          | 237.87          | 35                              | 2.1                                       | 1044                        | 138                                   | 4 × 800                  | 6P-Y           | 3.2                                  | 6.2                    | 54550                      | 4×67                               | 4×54              | 1736                         |
| HCVD 8006 1049-6D  | 430.29                          | 433.49          | 44                              | 2.1                                       | 1049                        | 139                                   | 6 × 800                  | 6P-Δ           | 9.6                                  | 21.0                   | 120553                     | 4×67                               | 4×54              | 2130                         |
| HCVD 8006 1049-6S  | 334.18                          | 336.04          | 35                              | 2.1                                       | 1049                        | 139                                   | 6 × 800                  | 6P-Y           | 4.8                                  | 9.3                    | 87157                      | 4×67                               | 4×54              | 2130                         |
| HCVD 8006 1311-6D  | 463.57                          | 466.5           | 44                              | 2.1                                       | 1311                        | 172                                   | 6 × 800                  | 6P-Δ           | 9.6                                  | 21.0                   | 117806                     | 4×67                               | 4×54              | 2524                         |
| HCVD 8006 1311-6S  | 351.97                          | 353.71          | 35                              | 2.1                                       | 1311                        | 172                                   | 6 × 800                  | 6P-Y           | 4.8                                  | 9.3                    | 84421                      | 4×67                               | 4×54              | 2524                         |
| HCVD 8006 1574-6D  | 483.21                          | 485.62          | 44                              | 2.1                                       | 1574                        | 208                                   | 6 × 800                  | 6P-Δ           | 9.6                                  | 21.0                   | 115049                     | 4×76                               | 4×54              | 2938                         |
| HCVD 8006 1574-6S  | 360.43                          | 361.9           | 35                              | 2.1                                       | 1574                        | 208                                   | 6 × 800                  | 6P-Y           | 4.8                                  | 9.3                    | 81941                      | 4×76                               | 4×54              | 2938                         |
| HCVD 8008 1402-6D  | 566.77                          | 570.89          | 44                              | 2.1                                       | 1402                        | 185                                   | 8 × 800                  | 6P-Δ           | 12.8                                 | 28.0                   | 160799                     | 4×76                               | 4×54              | 3332                         |
| HCVD 8008 1402-6S  | 439.21                          | 441.99          | 35                              | 2.1                                       | 1402                        | 185                                   | 8 × 800                  | 6P-Y           | 6.4                                  | 12.4                   | 116272                     | 4×76                               | 4×54              | 3332                         |
| HCVD 8008 1753-6D  | 610.67                          | 614.6           | 44                              | 2.1                                       | 1753                        | 231                                   | 8 × 800                  | 6P-Δ           | 12.8                                 | 28.0                   | 157146                     | 4×76                               | 4×54              | 3726                         |
| HCVD 8008 1753-6S  | 463.28                          | 465.8           | 35                              | 2.1                                       | 1753                        | 231                                   | 8 × 800                  | 6P-Y           | 6.4                                  | 12.4                   | 112631                     | 4×76                               | 4×54              | 3726                         |
| HCVD 8008 2103-6D  | 636.78                          | 640.36          | 44                              | 2.1                                       | 2103                        | 278                                   | 8 × 800                  | 6P-Δ           | 12.8                                 | 28.0                   | 153488                     | 2×67                               | 2×54              | 999                          |
| HCVD 8008 2103-6S  | 475.01                          | 477.23          | 35                              | 2.1                                       | 2103                        | 278                                   | 8 × 800                  | 6P-Y           | 6.4                                  | 12.4                   | 109331                     | 2×67                               | 2×54              | 999                          |
| HCVD 80010 1755-6D | 716.46                          | 721.2           | 44                              | 2.1                                       | 1755                        | 232                                   | 10 × 800                 | 6P-Δ           | 16.0                                 | 35.0                   | 201044                     | 2×67                               | 2×54              | 1429                         |
| HCVD 80010 1755-6S | 555.3                           | 558.53          | 35                              | 2.1                                       | 1755                        | 232                                   | 10 × 800                 | 6P-Y           | 8.0                                  | 15.5                   | 145386                     | 2×67                               | 2×54              | 1429                         |
| HCVD 80010 2194-6D | 771.33                          | 775.99          | 44                              | 2.1                                       | 2194                        | 290                                   | 10 × 800                 | 6P-Δ           | 16.0                                 | 35.0                   | 196485                     | 4×67                               | 4×54              | 1864                         |
| HCVD 80010 2194-6S | 585.14                          | 588.02          | 35                              | 2.1                                       | 2194                        | 290                                   | 10 × 800                 | 6P-Y           | 8.0                                  | 15.5                   | 140841                     | 4×67                               | 4×54              | 1864                         |
| HCVD 80010 2633-6D | 803.75                          | 807.93          | 44                              | 2.1                                       | 2633                        | 348                                   | 10 × 800                 | 6P-Δ           | 16.0                                 | 35.0                   | 191926                     | 4×67                               | 4×54              | 2289                         |
| HCVD 80010 2633-6S | 599.27                          | 601.75          | 35                              | 2.1                                       | 2633                        | 348                                   | 10 × 800                 | 6P-Y           | 8.0                                  | 15.5                   | 136721                     | 4×67                               | 4×54              | 2289                         |



# HCVD SERIES CONDENSERS

## CONDENSADORES SERIE HCVD

| Model /<br>Modelo  | Capacity /<br>Capacidad<br>(kW) |                 | Sound<br>Pres-<br>sure<br>Level | Espacio entre aletas/<br>Fin Spacing (mm) | Superficie/<br>Surface (m²) | Tube Volume/<br>Volumen Interno (dm³) | Ventilador<br>Ventilator |                                      |                        |                            |                                    | Connection/<br>Conexión<br>(ø mm) |                   | N.W/<br>Peso<br>Neto<br>(kg) |
|--------------------|---------------------------------|-----------------|---------------------------------|-------------------------------------------|-----------------------------|---------------------------------------|--------------------------|--------------------------------------|------------------------|----------------------------|------------------------------------|-----------------------------------|-------------------|------------------------------|
|                    | R404A                           | R448A/<br>R449A | dis-<br>t=10m                   |                                           |                             |                                       | N° x Ø<br>(mm)           | Pole connection<br>Conexión de polos | Power/<br>Potencia (W) | Current/<br>Intensidad (A) | Volumen de Aire<br>Air Flow (m3/h) | Inlet/<br>Entrada                 | Outlet/<br>Salida |                              |
|                    | DT1=15K                         | DT1=15K         | dBA                             |                                           |                             |                                       |                          |                                      |                        |                            |                                    |                                   |                   |                              |
| HCVD 80012 2108-6D | 862.66                          | 868.97          | 44                              | 2.1                                       | 2108                        | 278                                   | 12 x 800                 | 6P-Δ                                 | 19.2                   | 42.0                       | 241289                             | 4x67                              | 4x54              | 2715                         |
| HCVD 80012 2108-6S | 669.92                          | 673.61          | 35                              | 2.1                                       | 2108                        | 278                                   | 12 x 800                 | 6P-Y                                 | 9.6                    | 18.6                       | 174501                             | 4x67                              | 4x54              | 2715                         |
| HCVD 80012 2635-6D | 929.41                          | 934.83          | 44                              | 2.1                                       | 2635                        | 348                                   | 12 x 800                 | 6P-Δ                                 | 19.2                   | 42.0                       | 235825                             | 4x76                              | 4x67              | 3167                         |
| HCVD 80012 2635-6S | 705.61                          | 709.05          | 35                              | 2.1                                       | 2635                        | 348                                   | 12 x 800                 | 6P-Y                                 | 9.6                    | 18.6                       | 169051                             | 4x76                              | 4x67              | 3167                         |
| HCVD 80012 3162-6D | 968.54                          | 973.33          | 44                              | 2.1                                       | 3162                        | 418                                   | 12 x 800                 | 6P-Δ                                 | 19.2                   | 42.0                       | 230365                             | 4x76                              | 4x67              | 3592                         |
| HCVD 80012 3162-6S | 722.4                           | 725.31          | 35                              | 2.1                                       | 3162                        | 418                                   | 12 x 800                 | 6P-Y                                 | 9.6                    | 18.6                       | 164111                             | 4x76                              | 4x67              | 3592                         |
| HCVD 80014 2461-6D | 984.18                          | 991.81          | 44                              | 2.1                                       | 2461                        | 325                                   | 14 x 800                 | 6P-Δ                                 | 22.4                   | 49.0                       | 281534                             | 4x76                              | 4x67              | 4018                         |
| HCVD 80014 2461-6S | 762.97                          | 768.2           | 35                              | 2.1                                       | 2461                        | 325                                   | 14 x 800                 | 6P-Y                                 | 11.2                   | 21.7                       | 203615                             | 4x76                              | 4x67              | 4018                         |
| HCVD 80014 3077-6D | 1061.09                         | 1068.42         | 44                              | 2.1                                       | 3077                        | 406                                   | 14 x 800                 | 6P-Δ                                 | 22.4                   | 49.0                       | 275164                             | 2x67                              | 2x54              | 1062                         |
| HCVD 80014 3077-6S | 805.53                          | 810.31          | 35                              | 2.1                                       | 3077                        | 406                                   | 14 x 800                 | 6P-Y                                 | 11.2                   | 21.7                       | 197261                             | 2x67                              | 2x54              | 1062                         |
| HCVD 80014 3692-6D | 1107.33                         | 1114.07         | 44                              | 2.1                                       | 3692                        | 487                                   | 14 x 800                 | 6P-Δ                                 | 22.4                   | 49.0                       | 268803                             | 2x67                              | 2x54              | 1524                         |
| HCVD 80014 3692-6S | 826.69                          | 830.94          | 35                              | 2.1                                       | 3692                        | 487                                   | 14 x 800                 | 6P-Y                                 | 11.2                   | 21.7                       | 191501                             | 2x67                              | 2x54              | 1524                         |
| HCVD 80016 2814-6D | 1135.42                         | 1143.62         | 44                              | 2.1                                       | 2814                        | 372                                   | 16 x 800                 | 6P-Δ                                 | 25.6                   | 56.0                       | 321779                             | 4x67                              | 4x54              | 1992                         |
| HCVD 80016 2814-6S | 879.88                          | 885.41          | 35                              | 2.1                                       | 2814                        | 372                                   | 16 x 800                 | 6P-Y                                 | 12.8                   | 24.8                       | 232729                             | 4x67                              | 4x54              | 1992                         |
| HCVD 80016 3518-6D | 1223.26                         | 1231.06         | 44                              | 2.1                                       | 3518                        | 464                                   | 16 x 800                 | 6P-Δ                                 | 25.6                   | 56.0                       | 314504                             | 4x76                              | 4x54              | 2453                         |
| HCVD 80016 3518-6S | 928.04                          | 933.08          | 35                              | 2.1                                       | 3518                        | 464                                   | 16 x 800                 | 6P-Y                                 | 12.8                   | 24.8                       | 225471                             | 4x76                              | 4x54              | 2453                         |
| HCVD 80016 4221-6D | 1275.56                         | 1282.69         | 44                              | 2.1                                       | 4221                        | 557                                   | 16 x 800                 | 6P-Δ                                 | 25.6                   | 56.0                       | 307242                             | 4x76                              | 4x54              | 2910                         |
| HCVD 80016 4221-6S | 951.53                          | 955.94          | 35                              | 2.1                                       | 4221                        | 557                                   | 16 x 800                 | 6P-Y                                 | 12.8                   | 24.8                       | 218891                             | 4x76                              | 4x54              | 2910                         |
| HCVD 80018 3167-6D | 1285.93                         | 1294.56         | 44                              | 2.1                                       | 3167                        | 418                                   | 18 x 800                 | 6P-Δ                                 | 28.8                   | 63.0                       | 362024                             | 4x89                              | 4x76              | 3399                         |
| HCVD 80018 3167-6S | 996.32                          | 1002.22         | 35                              | 2.1                                       | 3167                        | 418                                   | 18 x 800                 | 6P-Y                                 | 14.4                   | 27.9                       | 261844                             | 4x89                              | 4x76              | 3399                         |
| HCVD 80018 3959-6D | 1384.57                         | 1392.96         | 44                              | 2.1                                       | 3959                        | 523                                   | 18 x 800                 | 6P-Δ                                 | 28.8                   | 63.0                       | 353843                             | 4x89                              | 4x76              | 3856                         |
| HCVD 80018 3959-6S | 1050.18                         | 1055.52         | 35                              | 2.1                                       | 3959                        | 523                                   | 18 x 800                 | 6P-Y                                 | 14.4                   | 27.9                       | 253681                             | 4x89                              | 4x76              | 3856                         |
| HCVD 80018 4751-6D | 1443.03                         | 1450.69         | 44                              | 2.1                                       | 4751                        | 627                                   | 18 x 800                 | 6P-Δ                                 | 28.8                   | 63.0                       | 345680                             | 4x89                              | 4x76              | 4312                         |
| HCVD 80018 4751-6S | 1076.01                         | 1080.65         | 35                              | 2.1                                       | 4751                        | 627                                   | 18 x 800                 | 6P-Y                                 | 14.4                   | 27.9                       | 246281                             | 4x89                              | 4x76              | 4312                         |

CONDENSERS/GAS COOLERS

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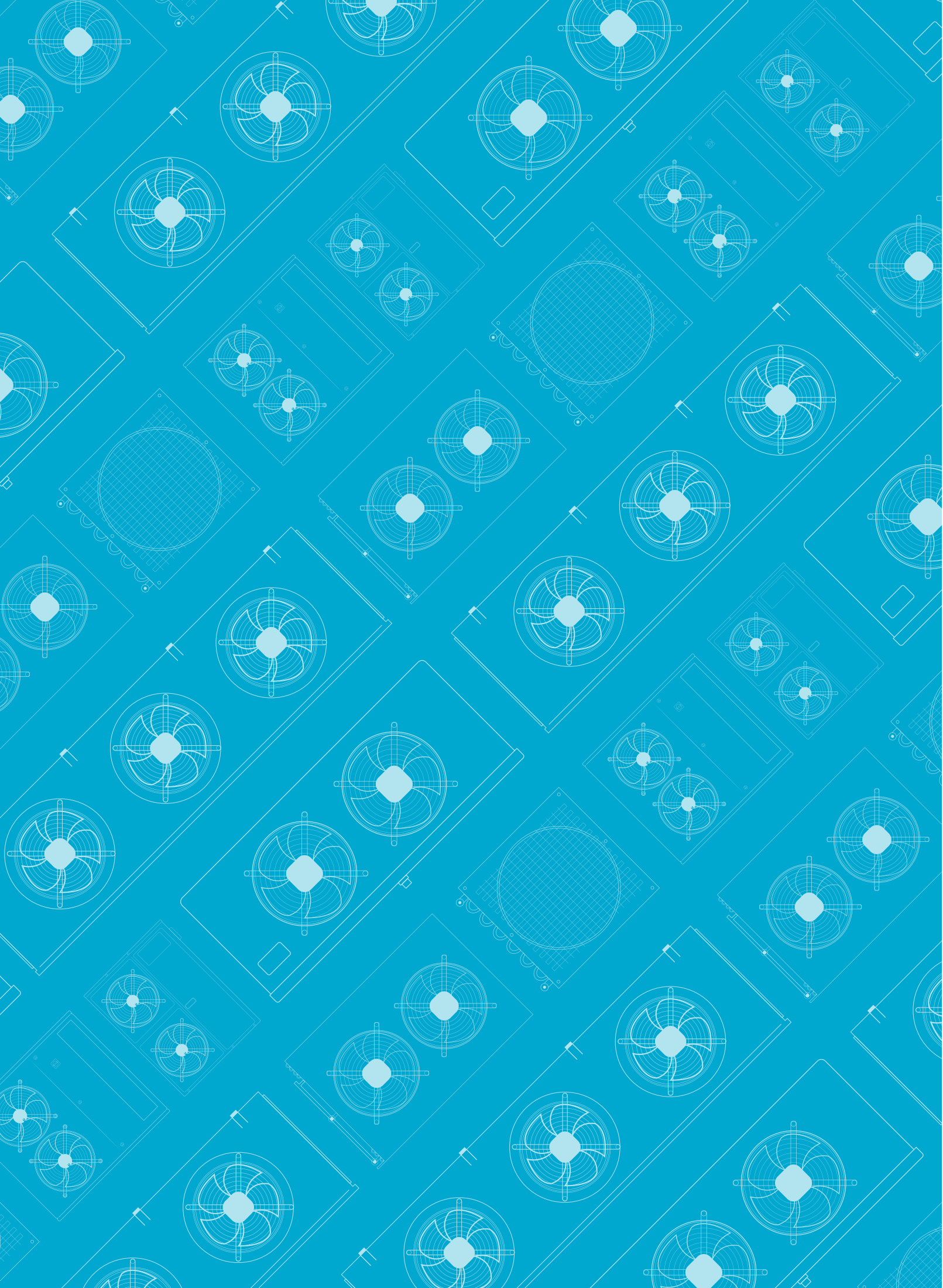
### Casing options:

- Coated on customer's request

## OPCIONES DISPONIBLES PARA LA SERIE HCVD:

### Opciones carcasa:

- Recubierto a petición del cliente





# H *ispania*

Factory / Fábrica

Taizhou Hispania Refrigeration Equipment Co., Ltd.

B-10 Taizhou Economic Zone, Jiangsu, China

Tel. +86 523 80805001

Fax. +86 523 80805666

Jackie@hispaniacorp.com

www.hispaniacorp.com

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