# COMPACT-CEILING AIR TYPE EVAPORATORS
EVAPORADORES COMPACTOS TIPO CUÑA

HFC/HFO/(HCFC)*



## COMPACT-CEILING AIR TYPE EVAPORATORS
## EVAPORADORES COMPACTOS TIPO CUÑA

The HEC range of compact-ceiling air type evaporators has been designed for use in low height commercial cold rooms for the preservation of fresh and frozen products.

The exchange coils used in the HEC range are built with geometries of recognized high efficiency, with special profile aluminum fins and ø12 mm internally grooved (HEC 25XX, HEC Plus 30XX) or ø15 mm (HEC 30XX) high qualitycopper tubes, with high heat transfer coefficient. They are supplied clean and tested under a pressure of 30 bar.

The HEC range has models with different fin pitch depending on the temperature of the cold room:

For high temperatures in the cold room
- HEC 25XX XX 4X: with 4 mm pitch (Rt >=0ºC)
- HEC Plus 30XX XX 4X: with 4 mm pitch (Rt >=0ºC)
- HEC 30XX XX 4.5X: with 4.5 mm pitch (Rt >=0ºC)

For medium temperatures in the cold room
- HEC 25XX XX 6X: with 6 mm pitch (Rt >=-18ºC)
- HEC Plus 30XX XX 6X: with 6 mm pitch (Rt >=-18ºC)
- HEC 30XX XX 7X: with 7 mm pitch (Rt >=-20ºC)

For low temperatures in the cold room
- HEC 25XX XX 9X: with 9 mm pitch (Rt >=-35ºC)
- HEC Plus 30XX XX 9X: with 9 mm pitch (Rt >=-35ºC)
- HEC 30XX XX 10X: with 10 mm pitch (Rt >=-35ºC)

## HEC SERIES EVAPORATOR
## EVAPORADORES SERIE HEC

La gama de evaporadores tipo cuña HEC ha sido diseñada para su uso en cámaras frigoríficas comerciales de poca altura para conservación de productos frescos y congelados.

Los baterías de intercambio utilizadas en la gama HEC están construidos con geometrías de reconocida alta eficiencia, con aletas de aluminio de perfil especial y tubos de cobre de ø12 mm estriado interiormente (HEC 25XX, HEC Plus 30XX) o ø15mm (HEC 30XX), de alta calidad, con un alto coeficiente de transferencia de calor. Se suministran limpias y probadas a una presión de 30 bar.

La gama HEC dispone de modelos con diferentes pasos de aleta según la temperatura de la cámara:

Para altas temperaturas de cámara
- HEC 25XX XX 4X: separación de 4 mm (Rt >=0ºC)
- HEC Plus 30XX XX 4X: separación de 4 mm (Rt >=0ºC)
- HEC 30XX XX 4.5X: separación de 4,5 mm (Rt >=0ºC)

Para medias temperaturas de cámara
- HEC 25XX XX 6X: separación de 6 mm (Rt >=-18ºC)
- HEC Plus 30XX XX 6X: separación de 6 mm (Rt >=-18ºC)
- HEC 30XX XX 7X: separación de 7 mm (Rt >=-20ºC)

Para bajas temperaturas de cámara
- HEC 25XX XX 9X: con separación de 9 mm (Rt >=-35ºC)
- HEC Plus 30XX XX 9X: con separación de 9 mm (Rt >=-35ºC)
- HEC 30XX XX 10X: con separación de 10 mm (Rt >=-35ºC)

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

-Single-phase 230V/1/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40ºC to +40ºC.

White powder-coated aluminium casing with high resistance to corrosion and impacts.

In models with electric defrost, stainless steel electric heaters covered by aluminum tubes are used, located in the finned package and in the drip tray to avoid steam problems and make easy replacement.

The electrical parts are connected to an earth terminal, inside a connection box with access holes equipped with cable glands with IP 65 protection.

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:

-Monofásicos 230V/1/50 Hz de rotor externo, con rejilla y bafle tipo K (embocadura corta). Temperatura de funcionamiento -40ºC a +40ºC.

La carcasa de aluminio pintado en blanco al polvo electrostático con alta resistencia a la corrosión y a los impactos.

En los modelos con desescarche eléctrico se usan resistencias en acero inoxidable cubiertas por tubos de aluminio, situados en el paquete aleteado y en la bandeja de drenaje para evitar problemas de vapor y facilitar la sustitución.

Las partes eléctricas están conectadas a un terminal de tierra, dentro de una caja de conexiones con orificios de acceso equipados con prensaestopas con grado de protección IP 65.

Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software “Unit Selector Hybrid HISPANIA”.

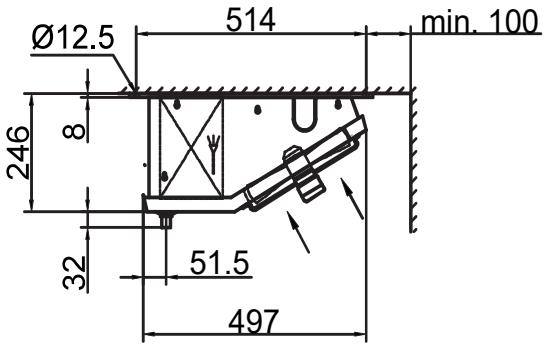
Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

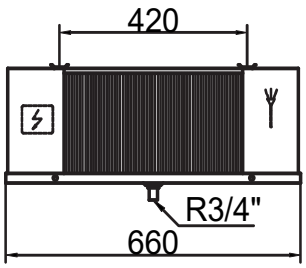
# HEC G 2503 26 4D SS1 SS2 GF

- HEC — Series / Serie
- G — Refrigerant (blank: Freon, G: glycol, N: ammonia, $CO_2$: $CO_2$)/ Refrigerante (blanco: Freon, G: glicol, N: amoníaco, $CO_2$: $CO_2$)
- 2503 — Fan ø (mm) / Ventilador ø (mm)
- 26 — Fan number / Número de ventiladores
- 4D — Surface ($m^2$) / Superficie
- SS1 — Fin spacing (mm) / Espacio entre aletas
- SS2 — Defrost system (blank: air, D: electric, HG: hot gas, W: water, HGD: hot gas & electric, WD: water & electric) / Sistema de descongelación (en blanco: aire, D: eléctrico, HG: gas caliente, W: agua, HGD: gas caliente y eléctrico, WD: agua y electricidad)
- GF — Tube materials (blank: copper, SS1: stainless steel) / Materiales del tubo (en blanco: cobre, SS1: acero inoxidable)
  - Casing materials (blank: aluminum, SS2: stainless steel) / Materiales de la carcasa (en blanco: aluminio, SS2: acero inoxidable)
    - Fin materials (blank: aluminum, GF: golden fins) / Materiales de las aletas (en blanco: aluminio, GF: aletas doradas)

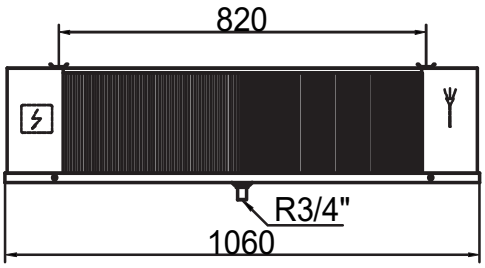
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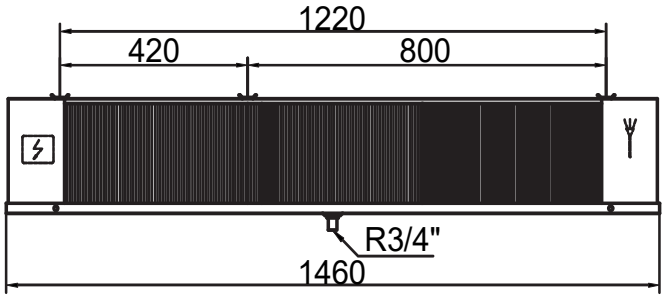


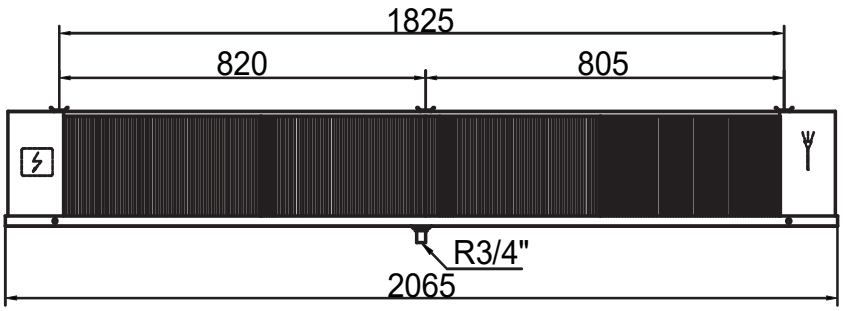

HEC/D 2501




HEC/D 2502

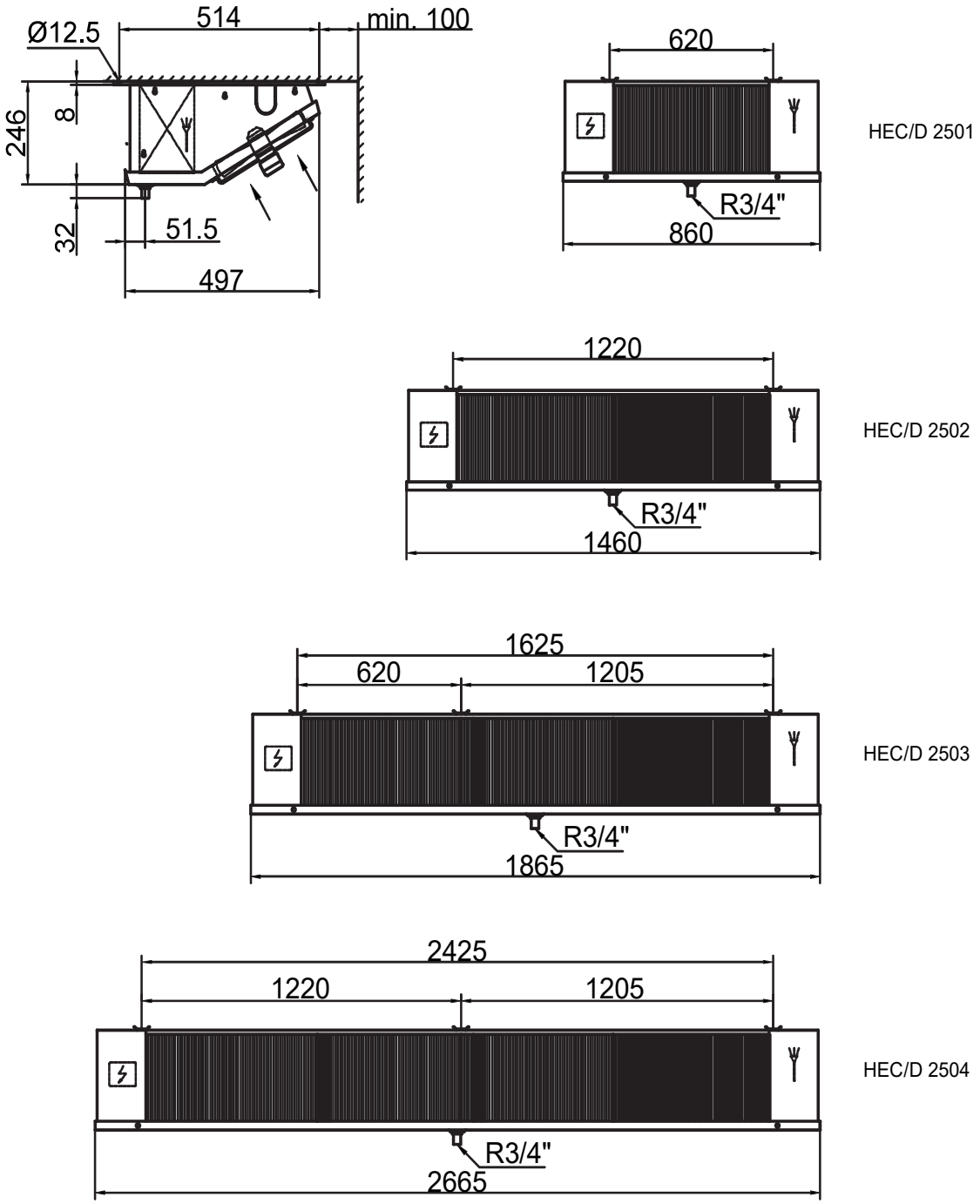



HEC/D 2503




HEC/D 2504

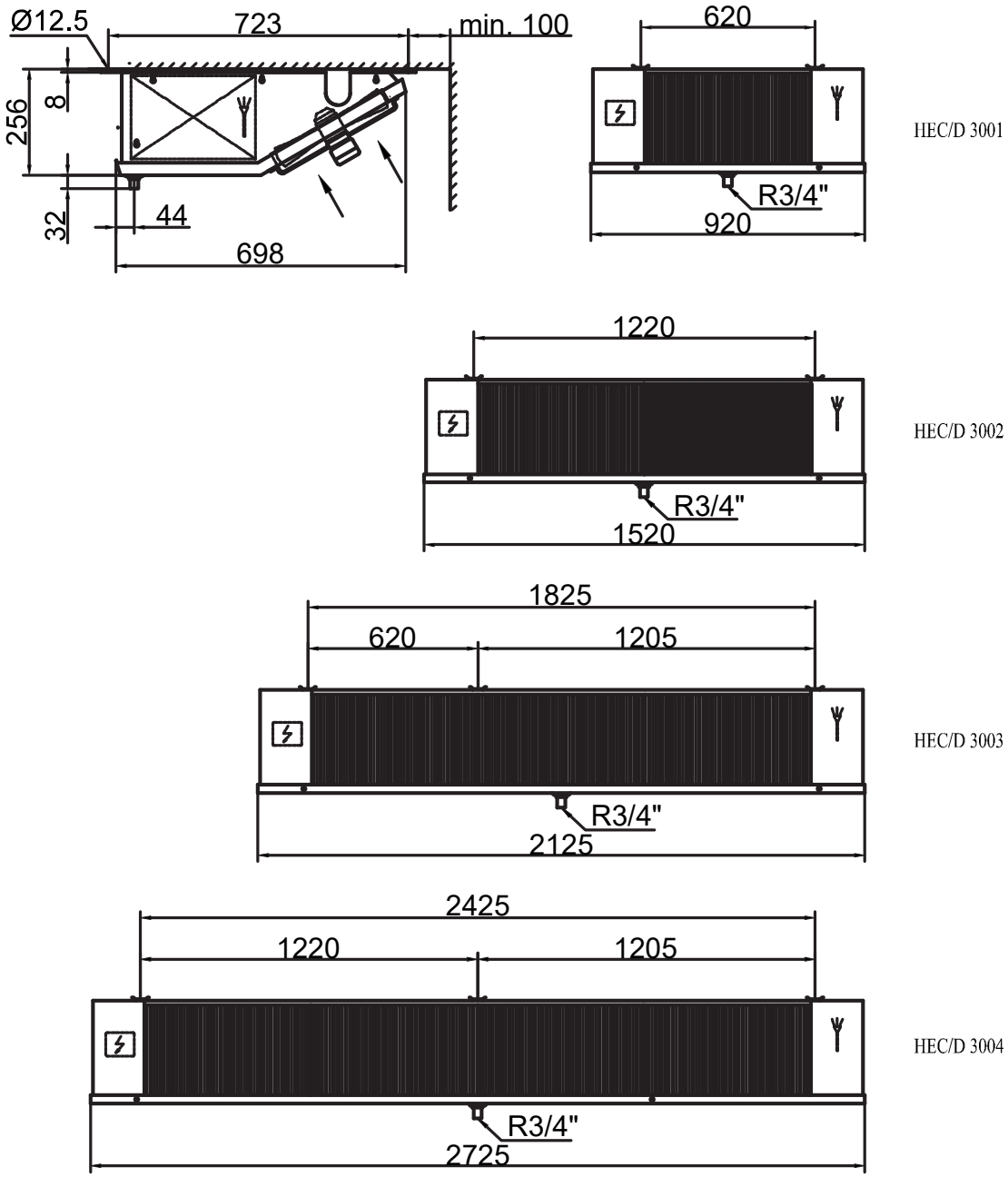
Dia. 1


Ø12.5
514
min. 100
246
8
32
51.5
497
620
R3/4"
860
HEC/D 2501
1220
R3/4"
1460
HEC/D 2502
1625
620
1205
R3/4"
1865
HEC/D 2503
2425
1220
1205
R3/4"
2665
HEC/D 2504

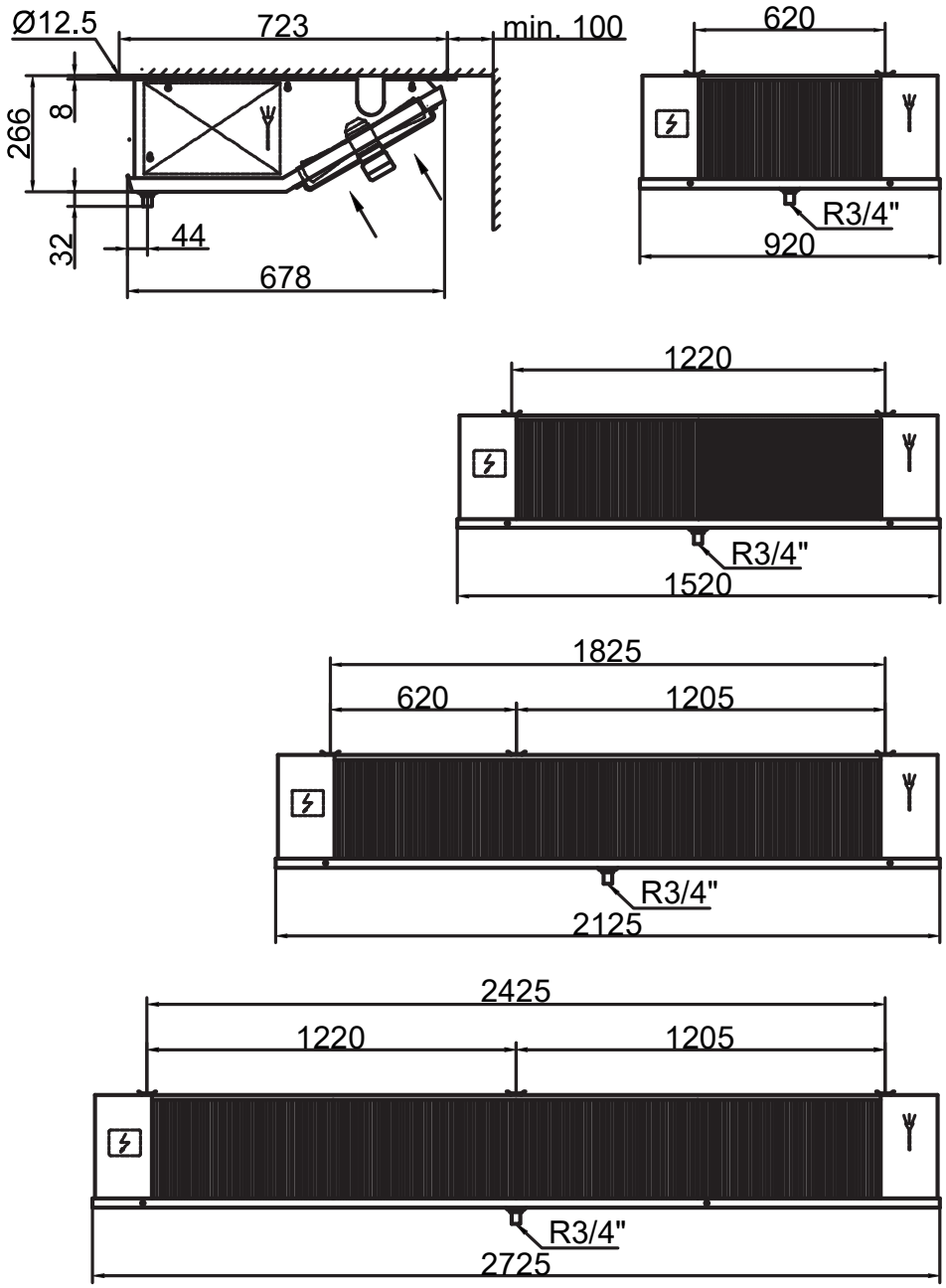
Dia. 2

# COMPACT-CEILING AIR TYPE EVAPORATORS
EVAPORADORES COMPACTOS TIPO CUÑA






Dia. 3




HEC PLUS/D 3001

HEC PLUS/D 3002

HEC PLUS/D 3003

HEC PLUS/D 3004

Dia. 4

# COMPACT-CEILING AIR TYPE EVAPORATORS
## EVAPORADORES COMPACTOS TIPO CUÑA



**FIN SPACING 4 mm, with electrical defrost. Rt>=0ºC**
SEPARACIÓN ALETAS 4 mm, con desescarche eléctrico. Rt>=0ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | N.W/ Peso Neto (kg) | Connection/ Conexión (ø mm) | | Dimen-sion Dimen-sión (mm) |
|---|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= 0ºC | $t_e$= -8ºC | $t_e$= 0ºC | $t_e$= -8ºC | | | | Inlet/ Entra-da | Outlet/ Salida | |
| | DT1=10K | DT1=8K | DT1=10K | DT1=8K | | | | | | |
| HEC 2501 05 4D | 1.40 | 0.97 | 1.41 | 0.96 | 4.3 | 0.7 | 11 | 12 | 12 | Dia. 1 |
| HEC 2501 06 4D | 1.63 | 1.14 | 1.66 | 1.16 | 5.7 | 1.0 | 12 | 12 | 12 | Dia. 1 |
| HEC 2501 07 4D | 1.94 | 1.34 | 1.97 | 1.36 | 6.4 | 1.1 | 13 | 12 | 12 | Dia. 2 |
| HEC 2501 09 4D | 2.21 | 1.54 | 2.29 | 1.59 | 8.5 | 1.4 | 16 | 12 | 12 | Dia. 2 |
| HEC 2502 12 4D | 3.31 | 2.32 | 3.35 | 2.35 | 11.4 | 1.9 | 18 | 12 | 19 | Dia. 1 |
| HEC 2502 18 4D | 4.50 | 3.14 | 4.64 | 3.24 | 17.1 | 2.9 | 23 | 12 | 19 | Dia. 2 |
| HEC 2503 17 4D | 4.99 | 3.49 | 5.03 | 3.53 | 17.1 | 2.9 | 32 | 12 | 22 | Dia. 1 |
| HEC 2503 26 4D | 6.98 | 4.85 | 7.06 | 4.91 | 25.7 | 4.3 | 42 | 12 | 28 | Dia. 2 |
| HEC 2504 23 4D | 6.66 | 4.67 | 6.72 | 4.71 | 22.9 | 3.8 | 47 | 12 | 28 | Dia. 1 |
| HEC 2504 34 4D | 9.32 | 6.48 | 9.39 | 6.51 | 34.3 | 5.8 | 54 | 12 | 28 | Dia. 2 |
| HEC Plus 3001 13 4D | 3.35 | 2.35 | 3.40 | 2.39 | 12.8 | 2.2 | 28 | 12 | 19 | Dia. 4 |
| HEC Plus 3001 17 4D | 3.61 | 2.54 | 3.63 | 2.50 | 17.1 | 2.9 | 33 | 12 | 22 | Dia. 4 |
| HEC Plus 3002 26 4D | 6.70 | 4.70 | 6.70 | 4.43 | 25.7 | 4.3 | 40 | 12 | 28 | Dia. 4 |
| HEC Plus 3002 34 4D | 7.27 | 5.11 | 7.30 | 5.01 | 34.3 | 5.8 | 48 | 12 | 28 | Dia. 4 |
| HEC Plus 3003 39 4D | 10.19 | 7.16 | 10.31 | 7.25 | 38.6 | 6.5 | 59 | 12 | 28 | Dia. 4 |
| HEC Plus 3003 51 4D | 10.74 | 7.57 | 10.96 | 7.73 | 51.4 | 8.7 | 68 | 12 | 28 | Dia. 4 |
| HEC Plus 3004 51 4D | 13.26 | 9.33 | 13.63 | 9.60 | 51.4 | 8.7 | 76 | 15 | 28 | Dia. 4 |
| HEC Plus 3004 69 4D | 13.56 | 9.55 | 14.13 | 9.98 | 68.6 | 11.5 | 88 | 15 | 28 | Dia. 4 |

**FIN SPACING 4 mm, with electrical defrost. Rt>=0ºC**
SEPARACIÓN ALETAS 4 mm, con desescarche eléctrico. Rt>=0ºC

| Model/ Model | Axial Fans/ Ventilador con motor axial | | | | | | | Electric Defrost/ Desescarche Eléctrico | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Diámetro Diameter (Φ mm) | Nº | Voltage/ Voltaje (V, 50Hz) | Power/ Potencia (W) | Current/ Intensi-dad (A) | Air Flow/ Volumen de Aire ($m^3/h$) | Air Throw/ Tiro de Aire (m) | Coil/ Bateria (W) | Drain Pan/ Bandeja (W) | Total (W) |
| HEC 2501 05 4D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 683 | 5 | 1 × 400 | 1 × 400 | 800 |
| HEC 2501 06 4D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 600 | 4 | 1 × 400 | 1 × 400 | 800 |
| HEC 2501 07 4D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 847 | 4 | 1 × 550 | 1 × 550 | 1100 |
| HEC 2501 09 4D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 786 | 4 | 1 × 550 | 1 × 550 | 1100 |
| HEC 2502 12 4D | 250 | 2 | 1 ~ 230 | 100 | 0.5 | 1202 | 5 | 1 × 700 | 1 × 700 | 1400 |
| HEC 2502 18 4D | 250 | 2 | 1 ~ 230 | 100 | 0.5 | 1572 | 5 | 1 × 1000 | 1 × 1000 | 2000 |
| HEC 2503 17 4D | 250 | 3 | 1 ~ 230 | 150 | 0.7 | 1801 | 6 | 1 × 1250 | 1 × 1250 | 2500 |
| HEC 2503 26 4D | 250 | 3 | 1 ~ 230 | 150 | 0.7 | 2358 | 6 | 1 × 1700 | 1 × 1700 | 3400 |
| HEC 2504 23 4D | 250 | 4 | 1 ~ 230 | 200 | 0.9 | 2404 | 7 | 1 × 1400 | 1 × 1400 | 2800 |
| HEC 2504 34 4D | 250 | 4 | 1 ~ 230 | 200 | 0.9 | 3145 | 7 | 1 × 2000 | 1 × 2000 | 4000 |
| HEC Plus 3001 13 4D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 963 | 9 | 2 × 750 | 1 × 750 | 2250 |
| HEC Plus 3001 17 4D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 858 | 6 | 3 × 750 | 2 × 750 | 3750 |
| HEC Plus 3002 26 4D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 1930 | 10 | 2 × 1250 | 1 × 1250 | 3750 |
| HEC Plus 3002 34 4D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 1718 | 8 | 3 × 1250 | 2 × 1250 | 6250 |
| HEC Plus 3003 39 4D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 2893 | 13 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC Plus 3003 51 4D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 2576 | 9 | 3 × 1700 | 2 × 1700 | 8500 |
| HEC Plus 3004 51 4D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 3857 | 15 | 2 × 2000 | 1 × 2000 | 6000 |
| HEC Plus 3004 69 4D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 3435 | 11 | 3 × 2000 | 2 × 2000 | 10000 |

# COMPACT-CEILING AIR TYPE EVAPORATORS
## EVAPORADORES COMPACTOS TIPO CUÑA

HFC/HFO/(HCFC)*

**FIN SPACING 6 mm, with electrical defrost. Rt>=-18ºC**
SEPARACIÓN ALETAS 6 mm, con desescarche eléctrico. Rt>=-18ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | N.W/ Peso Neto (kg) | Connection/ Conexión (ø mm) | | Dimen-sion Dimen-sión (mm) |
|---|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entrada | Outlet/ Salida | |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | | |
| HEC 2501 03 6D | 0.82 | 0.63 | 0.78 | 0.60 | 2.9 | 0.7 | 11 | 12 | 12 | Dia. 1 |
| HEC 2501 04 6D | 1.00 | 0.75 | 1.00 | 0.74 | 3.9 | 1.0 | 12 | 12 | 12 | Dia. 1 |
| HEC 2501 05 6D | 1.13 | 0.82 | 1.14 | 0.82 | 4.4 | 1.1 | 13 | 12 | 12 | Dia. 2 |
| HEC 2501 06 6D | 1.35 | 0.95 | 1.38 | 0.98 | 5.9 | 1.4 | 16 | 12 | 12 | Dia. 2 |
| HEC 2502 08 6D | 2.02 | 1.53 | 2.02 | 1.51 | 7.9 | 1.9 | 18 | 12 | 19 | Dia. 1 |
| HEC 2502 12 6D | 2.73 | 1.93 | 2.80 | 2.00 | 11.8 | 2.9 | 22 | 12 | 19 | Dia. 2 |
| HEC 2503 12 6D | 3.04 | 2.30 | 3.03 | 2.27 | 11.8 | 2.9 | 31 | 12 | 22 | Dia. 1 |
| HEC 2503 18 6D | 4.16 | 3.07 | 4.17 | 3.04 | 17.7 | 4.3 | 41 | 12 | 28 | Dia. 2 |
| HEC 2504 16 6D | 4.07 | 3.08 | 4.06 | 3.04 | 15.7 | 3.8 | 46 | 12 | 28 | Dia. 1 |
| HEC 2504 24 6D | 5.52 | 4.11 | 5.41 | 4.02 | 23.6 | 5.8 | 53 | 12 | 28 | Dia. 2 |
| HEC Plus 3001 09 6D | 2.13 | 1.57 | 2.15 | 1.57 | 8.8 | 2.2 | 28 | 12 | 19 | Dia. 4 |
| HEC Plus 3001 12 6D | 2.37 | 1.76 | 2.29 | 1.73 | 11.8 | 2.9 | 33 | 12 | 22 | Dia. 4 |
| HEC Plus 3002 18 6D | 4.13 | 3.16 | 3.85 | 3.03 | 17.7 | 4.3 | 39 | 12 | 28 | Dia. 4 |
| HEC Plus 3002 24 6D | 4.78 | 3.56 | 4.60 | 3.48 | 23.6 | 5.8 | 47 | 12 | 28 | Dia. 4 |
| HEC Plus 3003 27 6D | 6.46 | 4.82 | 6.52 | 4.80 | 26.5 | 6.5 | 57 | 12 | 28 | Dia. 4 |
| HEC Plus 3003 35 6D | 7.16 | 5.26 | 7.30 | 5.33 | 35.4 | 8.7 | 66 | 12 | 28 | Dia. 4 |
| HEC Plus 3004 35 6D | 8.53 | 6.09 | 8.74 | 6.36 | 35.4 | 8.7 | 74 | 15 | 28 | Dia. 4 |
| HEC Plus 3004 47 6D | 9.14 | 6.32 | 9.50 | 6.80 | 47.2 | 11.5 | 86 | 15 | 28 | Dia. 4 |

**FIN SPACING 6 mm, with electrical defrost. Rt>=-18ºC**
SEPARACIÓN ALETAS 6 mm, con desescarche eléctrico. Rt>=-18ºC

| Model/ Model | Axial Fans/ Ventilador con motor axial | | | | | | | Electric Defrost/ Desescarche Eléctrico | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Diámetro Diameter (Φ mm) | Nº | Voltage/ Voltaje (V, 50Hz) | Power/ Potencia (W) | Current/ Intensi-dad (A) | Air Flow/ Volumen de Aire ($m^3/h$) | Air Throw/ Tiro de Aire (m) | Coil/ Bateria (W) | Drain Pan/ Bandeja (W) | Total (W) |
| HEC 2501 03 6D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 747 | 6 | 1 × 400 | 1 × 400 | 800 |
| HEC 2501 04 6D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 660 | 5 | 1 × 400 | 1 × 400 | 800 |
| HEC 2501 05 6D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 889 | 4 | 1 × 550 | 1 × 550 | 1100 |
| HEC 2501 06 6D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 831 | 4 | 1 × 550 | 1 × 550 | 1100 |
| HEC 2502 08 6D | 250 | 2 | 1 ~ 230 | 100 | 0.5 | 1321 | 5 | 1 × 700 | 1 × 700 | 1400 |
| HEC 2502 12 6D | 250 | 2 | 1 ~ 230 | 100 | 0.5 | 1663 | 5 | 1 × 1000 | 1 × 1000 | 2000 |
| HEC 2503 12 6D | 250 | 3 | 1 ~ 230 | 150 | 0.7 | 1981 | 7 | 1 × 1250 | 1 × 1250 | 2500 |
| HEC 2503 18 6D | 250 | 3 | 1 ~ 230 | 150 | 0.7 | 2495 | 6 | 1 × 1700 | 1 × 1700 | 3400 |
| HEC 2504 16 6D | 250 | 4 | 1 ~ 230 | 200 | 0.9 | 2643 | 7 | 1 × 1400 | 1 × 1400 | 2800 |
| HEC 2504 24 6D | 250 | 4 | 1 ~ 230 | 200 | 0.9 | 3327 | 8 | 1 × 2000 | 1 × 2000 | 4000 |
| HEC Plus 3001 09 6D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1050 | 10 | 2 × 750 | 1 × 750 | 2250 |
| HEC Plus 3001 12 6D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 935 | 7 | 3 × 750 | 2 × 750 | 3750 |
| HEC Plus 3002 18 6D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2105 | 12 | 2 × 1250 | 1 × 1250 | 3750 |
| HEC Plus 3002 24 6D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 1871 | 8 | 3 × 1250 | 2 × 1250 | 6250 |
| HEC Plus 3003 27 6D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3154 | 14 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC Plus 3003 35 6D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 2807 | 10 | 3 × 1700 | 2 × 1700 | 8500 |
| HEC Plus 3004 35 6D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 4204 | 17 | 2 × 2000 | 1 × 2000 | 6000 |
| HEC Plus 3004 47 6D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 3742 | 12 | 3 × 2000 | 2 × 2000 | 10000 |

# COMPACT-CEILING AIR TYPE EVAPORATORS
## EVAPORADORES COMPACTOS TIPO CUÑA



**FIN SPACING 9 mm, with electrical defrost. Rt>=-35ºC**
SEPARACIÓN ALETAS 9 mm, con desescarche eléctrico. Rt>=-35ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | N.W/ Peso Neto (kg) | Connection/ Conexión (ø mm) | | Dimen-sion Dimen-sión (mm) |
|---|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entrada | Outlet/ Salida | |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | | |
| HEC 2501 02 9D | 0.65 | 0.50 | 0.60 | 0.47 | 2.1 | 0.7 | 11 | 12 | 12 | Dia. 1 |
| HEC 2501 03 9D | 0.84 | 0.63 | 0.82 | 0.61 | 2.7 | 1.0 | 13 | 12 | 12 | Dia. 1 |
| HEC 2501 04 9D | 1.13 | 0.81 | 1.15 | 0.81 | 4.1 | 1.4 | 16 | 12 | 12 | Dia. 2 |
| HEC 2502 06 9D | 1.70 | 1.27 | 1.64 | 1.24 | 5.5 | 1.9 | 18 | 12 | 12 | Dia. 1 |
| HEC 2502 08 9D | 2.29 | 1.65 | 2.33 | 1.65 | 8.2 | 2.9 | 22 | 12 | 19 | Dia. 2 |
| HEC 2503 08 9D | 2.56 | 1.92 | 2.48 | 1.87 | 8.2 | 2.9 | 31 | 12 | 22 | Dia. 1 |
| HEC 2503 12 9D | 3.43 | 2.51 | 3.35 | 2.46 | 12.3 | 4.3 | 40 | 12 | 28 | Dia. 2 |
| HEC 2504 11 9D | 3.42 | 2.57 | 3.31 | 2.50 | 11.0 | 3.8 | 45 | 12 | 28 | Dia. 1 |
| HEC 2504 16 9D | 4.55 | 3.33 | 4.32 | 3.24 | 16.4 | 5.8 | 51 | 12 | 28 | Dia. 2 |
| HEC Plus 3001 06 9D | 1.85 | 1.36 | 1.83 | 1.35 | 6.2 | 2.2 | 27 | 12 | 19 | Dia. 4 |
| HEC Plus 3001 08 9D | 2.12 | 1.57 | 2.02 | 1.53 | 8.2 | 2.9 | 32 | 12 | 22 | Dia. 4 |
| HEC Plus 3002 12 9D | 3.45 | 2.66 | 3.21 | 2.55 | 12.3 | 4.3 | 38 | 12 | 28 | Dia. 4 |
| HEC Plus 3002 16 9D | 4.26 | 3.16 | 4.05 | 3.08 | 16.4 | 5.8 | 46 | 12 | 28 | Dia. 4 |
| HEC Plus 3003 19 9D | 5.60 | 4.17 | 5.53 | 4.09 | 18.5 | 6.5 | 55 | 12 | 28 | Dia. 4 |
| HEC Plus 3003 25 9D | 6.50 | 4.78 | 6.59 | 4.77 | 24.7 | 8.7 | 63 | 12 | 28 | Dia. 4 |
| HEC Plus 3004 25 9D | 7.48 | 5.44 | 7.62 | 5.51 | 24.7 | 8.7 | 72 | 15 | 28 | Dia. 4 |
| HEC Plus 3004 33 9D | 8.41 | 5.88 | 8.68 | 6.21 | 32.9 | 11.5 | 82 | 15 | 28 | Dia. 4 |

**FIN SPACING 9 mm, with electrical defrost. Rt>=-35ºC**
SEPARACIÓN ALETAS 9 mm, con desescarche eléctrico. Rt>=-35ºC

| Model/ Model | Axial Fans/ Ventilador con motor axial | | | | | | | Electric Defrost/ Desescarche Eléctrico | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Diámetro Diameter (Φ mm) | Nº | Voltage/ Voltaje (V, 50Hz) | Power/ Potencia (W) | Current/ Intensi-dad (A) | Air Flow/ Volumen de Aire ($m^3/h$) | Air Throw/ Tiro de Aire (m) | Coil/ Bateria (W) | Drain Pan/ Bandeja (W) | Total (W) |
| HEC 2501 02 9D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 795 | 6 | 1 × 400 | 1 × 400 | 800 |
| HEC 2501 03 9D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 718 | 4 | 1 × 400 | 1 × 400 | 800 |
| HEC 2501 04 9D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 871 | 4 | 1 × 550 | 1 × 550 | 1100 |
| HEC 2502 06 9D | 250 | 2 | 1 ~ 230 | 100 | 0.5 | 1438 | 5 | 1 × 550 | 1 × 550 | 1100 |
| HEC 2502 08 9D | 250 | 2 | 1 ~ 230 | 100 | 0.5 | 1744 | 5 | 1 × 700 | 1 × 700 | 1400 |
| HEC 2503 08 9D | 250 | 3 | 1 ~ 230 | 150 | 0.7 | 2166 | 7 | 1 × 1250 | 1 × 1250 | 2500 |
| HEC 2503 12 9D | 250 | 3 | 1 ~ 230 | 150 | 0.7 | 2624 | 7 | 1 × 1700 | 1 × 1700 | 3400 |
| HEC 2504 11 9D | 250 | 4 | 1 ~ 230 | 200 | 0.9 | 2891 | 8 | 1 × 1400 | 1 × 1400 | 2800 |
| HEC 2504 16 9D | 250 | 4 | 1 ~ 230 | 200 | 0.9 | 3499 | 8 | 1 × 2000 | 1 × 2000 | 4000 |
| HEC Plus 3001 06 9D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1140 | 10 | 2 × 750 | 1 × 750 | 2250 |
| HEC Plus 3001 08 9D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1020 | 7 | 3 × 750 | 2 × 750 | 3750 |
| HEC Plus 3002 12 9D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2286 | 9 | 2 × 1250 | 1 × 1250 | 3750 |
| HEC Plus 3002 16 9D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2042 | 11 | 3 × 1250 | 2 × 1250 | 6250 |
| HEC Plus 3003 19 9D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3423 | 14 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC Plus 3003 25 9D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3061 | 10 | 3 × 1700 | 2 × 1700 | 8500 |
| HEC Plus 3004 25 9D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 4561 | 17 | 2 × 2000 | 1 × 2000 | 6000 |
| HEC Plus 3004 33 9D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 4081 | 12 | 3 × 2000 | 2 × 2000 | 10000 |

# COMPACT-CEILING AIR TYPE EVAPORATORS
## EVAPORADORES COMPACTOS TIPO CUÑA

HFC/HFO/(HCFC)*

**FIN SPACING 4.5 mm, with electrical defrost. Rt>=0ºC**
SEPARACIÓN ALETAS 4.5 mm, con desescarche eléctrico. Rt>=0ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | N.W/ Peso Neto (kg) | Connection/ Conexión (ø mm) | | Dimen-sion Dimen-sión (mm) |
|---|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= 0ºC | $t_e$= -8ºC | $t_e$= 0ºC | $t_e$= -8ºC | | | | Inlet/ Entra-da | Outlet/ Salida | |
| | DT1=10K | DT1=8K | DT1=10K | DT1=8K | | | | | | |
| HEC 3001 11 4.5D | 2.10 | 1.47 | 2.08 | 1.32 | 10.4 | 1.5 | 18 | 12 | 15 | Dia. 3 |
| HEC 3001 16 4.5D | 2.73 | 1.91 | 2.75 | 1.92 | 15.5 | 2.2 | 21 | 12 | 15 | Dia. 3 |
| HEC 3002 21 4.5D | 4.32 | 3.00 | 4.45 | 3.09 | 20.8 | 3.0 | 32 | 12 | 15 | Dia. 3 |
| HEC 3002 32 4.5D | 5.52 | 3.87 | 5.54 | 3.87 | 31.1 | 4.5 | 39 | 12 | 22 | Dia. 3 |
| HEC 3003 32 4.5D | 6.60 | 4.59 | 6.64 | 4.60 | 31.1 | 4.5 | 35 | 12 | 22 | Dia. 3 |
| HEC 3003 48 4.5D | 8.14 | 5.69 | 8.39 | 5.86 | 46.7 | 6.8 | 56 | 12 | 22 | Dia. 3 |
| HEC 3004 43 4.5D | 8.72 | 6.07 | 8.97 | 6.23 | 41.5 | 6.0 | 60 | 12 | 22 | Dia. 3 |
| HEC 3004 64 4.5D | 11.04 | 7.73 | 11.25 | 7.86 | 62.3 | 9.0 | 73 | 15 | 28 | Dia. 3 |

**FIN SPACING 4.5 mm, with electrical defrost. Rt>=0ºC**
SEPARACIÓN ALETAS 4.5 mm, con desescarche eléctrico. Rt>=0ºC

| Model/ Model | Axial Fans/ Ventilador con motor axial | | | | | | | Electric Defrost/ Desescarche Eléctrico | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Diámetro Diameter (Φ mm) | Nº | Voltage/ Voltaje (V, 50Hz) | Power/ Potencia (W) | Current/ Intensi-dad (A) | Air Flow/ Volumen de Aire ($m^3/h$) | Air Throw/ Tiro de Aire (m) | Coil/ Bateria (W) | Drain Pan/ Bandeja (W) | Total (W) |
| HEC 3001 11 4.5D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1157 | 9 | 2 × 700 | 1 × 700 | 2100 |
| HEC 3001 16 4.5D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 980 | 6 | 2 × 700 | 1 × 700 | 2100 |
| HEC 3002 21 4.5D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2307 | 10 | 2 × 1030 | 1 × 1030 | 3090 |
| HEC 3002 32 4.5D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 1967 | 8 | 2 × 1030 | 1 × 1030 | 3090 |
| HEC 3003 32 4.5D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3466 | 13 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC 3003 48 4.5D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 2938 | 9 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC 3004 43 4.5D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 4615 | 15 | 2 × 2000 | 1 × 2000 | 6000 |
| HEC 3004 64 4.5D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 3920 | 11 | 2 × 2000 | 1 × 2000 | 6000 |

# COMPACT-CEILING AIR TYPE EVAPORATORS
## EVAPORADORES COMPACTOS TIPO CUÑA



**FIN SPACING 7 mm, with electrical defrost. Rt>=-20ºC**
SEPARACIÓN ALETAS 7 mm, con desescarche eléctrico. Rt>=-20ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | N.W/ Peso Neto (kg) | Connection/ Conexión (ø mm) | | Dimen-sion Dimen-sión (mm) |
|---|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entra-da | Outlet/ Salida | |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | | |
| HEC 3001 07 7D | 1.13 | 0.96 | 0.97 | 0.86 | 6.8 | 1.5 | 17 | 12 | 15 | Dia. 3 |
| HEC 3001 10 7D | 1.62 | 1.31 | 1.56 | 1.26 | 10.2 | 2.2 | 20 | 12 | 15 | Dia. 3 |
| HEC 3002 14 7D | 2.50 | 1.91 | 2.54 | 1.99 | 13.7 | 3.0 | 30 | 12 | 15 | Dia. 3 |
| HEC 3002 20 7D | 3.27 | 2.65 | 3.14 | 2.55 | 20.5 | 4.5 | 36 | 12 | 22 | Dia. 3 |
| HEC 3003 20 7D | 3.70 | 3.03 | 3.67 | 2.98 | 20.5 | 4.5 | 32 | 12 | 22 | Dia. 3 |
| HEC 3003 30 7D | 4.96 | 3.72 | 5.06 | 3.90 | 30.8 | 6.8 | 52 | 12 | 22 | Dia. 3 |
| HEC 3004 28 7D | 5.02 | 3.87 | 5.10 | 4.03 | 27.4 | 6.0 | 57 | 12 | 22 | Dia. 3 |
| HEC 3004 41 7D | 6.66 | 5.14 | 6.74 | 5.33 | 41.0 | 9.0 | 68 | 15 | 28 | Dia. 3 |

**FIN SPACING 7 mm, with electrical defrost. Rt>=-20ºC**
SEPARACIÓN ALETAS 7 mm, con desescarche eléctrico. Rt>=-20ºC

| Model/ Model | Axial Fans/ Ventilador con motor axial | | | | | | | Electric Defrost/ Desescarche Eléctrico | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Diámetro Diameter (Φ mm) | Nº | Voltage/ Voltaje (V, 50Hz) | Power/ Potencia (W) | Current/ Intensi-dad (A) | Air Flow/ Volumen de Aire ($m^3/h$) | Air Throw/ Tiro de Aire (m) | Coil/ Bateria (W) | Drain Pan/ Bandeja (W) | Total (W) |
| HEC 3001 07 7D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1250 | 10 | 2 × 700 | 1 × 700 | 2100 |
| HEC 3001 10 7D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1083 | 7 | 2 × 700 | 1 × 700 | 2100 |
| HEC 3002 14 7D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2487 | 12 | 2 × 1030 | 1 × 1030 | 3090 |
| HEC 3002 20 7D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2169 | 8 | 2 × 1030 | 1 × 1030 | 3090 |
| HEC 3003 20 7D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3736 | 14 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC 3003 30 7D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3246 | 10 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC 3004 28 7D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 4975 | 17 | 2 × 2000 | 1 × 2000 | 6000 |
| HEC 3004 41 7D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 4331 | 12 | 2 × 2000 | 1 × 2000 | 6000 |

# COMPACT-CEILING AIR TYPE EVAPORATORS
## EVAPORADORES COMPACTOS TIPO CUÑA



**FIN SPACING 10 mm, with electrical defrost. Rt>=-35ºC**
SEPARACIÓN ALETAS 10 mm, con desescarche eléctrico. Rt>=-35ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | N.W/ Peso Neto (kg) | Connection/ Conexión (ø mm) | | Dimen-sion Dimen-sión (mm) |
|---|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entra-da | Outlet/ Salida | |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | | |
| HEC 3001 05 10D | 0.87 | 0.76 | 0.77 | 0.69 | 4.9 | 1.5 | 17 | 12 | 15 | Dia. 3 |
| HEC 3001 07 10D | 1.40 | 1.13 | 1.29 | 1.06 | 7.4 | 2.2 | 20 | 12 | 15 | Dia. 3 |
| HEC 3002 10 10D | 2.12 | 1.65 | 2.15 | 1.70 | 9.8 | 3.0 | 30 | 12 | 15 | Dia. 3 |
| HEC 3002 15 10D | 2.82 | 2.29 | 2.60 | 2.14 | 14.8 | 4.5 | 36 | 12 | 22 | Dia. 3 |
| HEC 3003 15 10D | 3.11 | 2.56 | 2.92 | 2.41 | 14.8 | 4.5 | 32 | 12 | 22 | Dia. 3 |
| HEC 3003 22 10D | 4.37 | 3.31 | 4.45 | 3.44 | 22.1 | 6.8 | 52 | 12 | 22 | Dia. 3 |
| HEC 3004 20 10D | 4.27 | 3.33 | 4.31 | 3.42 | 19.7 | 6.0 | 56 | 12 | 22 | Dia. 3 |
| HEC 3004 29 10D | 5.83 | 4.54 | 5.87 | 4.57 | 29.5 | 9.0 | 67 | 15 | 28 | Dia. 3 |

**FIN SPACING 10 mm, with electrical defrost. Rt>=-35ºC**
SEPARACIÓN ALETAS 10 mm, con desescarche eléctrico. Rt>=-35ºC

| Model/ Model | Axial Fans/ Ventilador con motor axial | | | | | | | Electric Defrost/ Desescarche Eléctrico | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Diámetro Diameter (Φ mm) | Nº | Voltage/ Voltaje (V, 50Hz) | Power/ Potencia (W) | Current/ Intensi-dad (A) | Air Flow/ Volumen de Aire ($m^3/h$) | Air Throw/ Tiro de Aire (m) | Coil/ Bateria (W) | Drain Pan/ Bandeja (W) | Total (W) |
| HEC 3001 05 10D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1315 | 10 | 2 × 700 | 1 × 700 | 2100 |
| HEC 3001 07 10D | 300 | 1 | 1 ~ 230 | 80 | 0.4 | 1165 | 7 | 2 × 700 | 1 × 700 | 2100 |
| HEC 3002 10 10D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2610 | 9 | 2 × 1030 | 1 × 1030 | 3090 |
| HEC 3002 15 10D | 300 | 2 | 1 ~ 230 | 160 | 0.8 | 2332 | 11 | 2 × 1030 | 1 × 1030 | 3090 |
| HEC 3003 15 10D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3922 | 14 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC 3003 22 10D | 300 | 3 | 1 ~ 230 | 240 | 1.2 | 3489 | 10 | 2 × 1700 | 1 × 1700 | 5100 |
| HEC 3004 20 10D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 5221 | 17 | 2 × 2000 | 1 × 2000 | 6000 |
| HEC 3004 29 10D | 300 | 4 | 1 ~ 230 | 320 | 1.6 | 4656 | 12 | 2 × 2000 | 1 × 2000 | 6000 |

# COMPACT-CEILING AIR TYPE EVAPORATORS
EVAPORADORES COMPACTOS TIPO CUÑA



## AVAILABLE OPTIONS FOR HEC SERIES:

**Defrost options:**
-Without defrost (air)
-D: Electrical defrost: standard model
- HG: hot gas
-W: water
- HGD: hot gas defrost for coil and electrical defrost for tray
- WD: water and electrical

**Tube material options:**
- Copper: standard models
- SS1: Stainless steel AISI SUS304

**Coil protection options:**
- Aluminium fins: standard models
- Fins with GOLDFIN anti-corrosion high resistance coating.

**Fan options:**
- EC Fans

**Casing options:**
- White powder-coated painted aluminium: standard models
- SS2: stainless steel AISI SUS304

**Refrigerant options:**
- HFC/HFO (A1): standard models
- HFO/HFC (A2L): coming soon
- Glicol: available,please contact our Technical Department

**Other options:**
- Thermal protector for defrosting electrical heaters

## OPCIONES DISPONIBLES PARA LA SERIE HEC:

**Opciones de desescarche:**
- Sin desescarche (aire)
- D: Desescarche eléctrico: modelo estándar
- HG: Gas caliente
- W: agua
- HGD: gas caliente en serpentín y eléctrico en bandeja
- WD: agua y eléctrico

**Opciones material tubos:**
- Cobre: modelo estándar
- SS1: Acero inoxidable AISI SUS304

**Opciones protección de serpentín:**
- Aleta de aluminio: modelo estándar
- Aleta con tratamiento GOLDFIN con anticorrosión de alta resistencia.

**Opciones ventiladores:**
- Ventiladores EC

**Opciones carcasa:**
- Aluminio pintado al polvo blanco: modelos estándar
- SS2: acero inoxidable AISI SUS304

**Opciones refrigerantes:**
- HFC/HFO (A1): modelos estándar
- HFO/HFC (A2L): próximamente
- Glicol: disponibles, consultar a nuestro Departamento Técnico

**Otras opciones:**
- Protector térmico para resistencias de desercarche