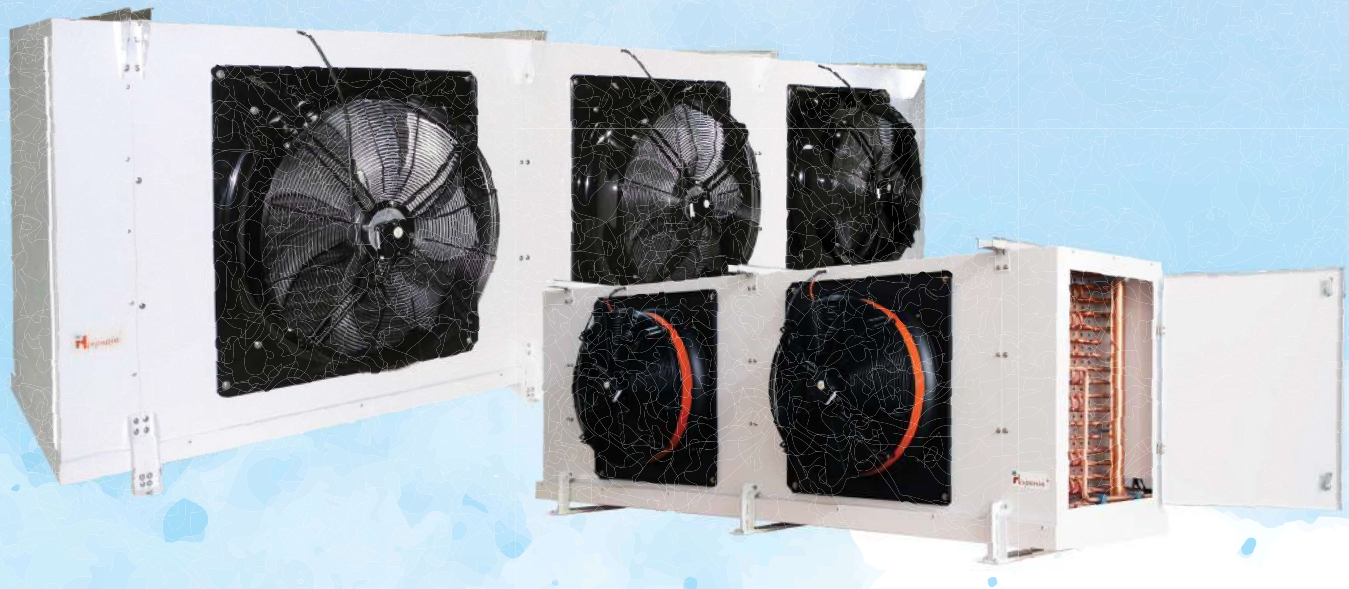
# INDUSTRIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS INDUSTRIAL

HFC/HFO/(HCFC)*



## INDUSTRIAL CUBIC EVAPORATORS
## EVAPORADORES CUBICOS INDUSTRIALES

The HEB range of industrial cubic evaporators has been designed for use in big cold rooms for the preservation of fresh and frozen products.

The exchange coils used in the HEB range are built with a geometry of recognized high efficiency, with special profile aluminum fins and ø15 mm high quality copper tubes, with high heat transfer coefficient. They are supplied clean and tested under a pressure of 30 bar.

The HEB range has models with 4 different fin pitch depending on the temperature of the cold room:

- HEB XXXX XX 4.5X: with 4.5 mm pitch, suitable for high temperatures in the cold room (Rt >=0ºC)
- HEB XXXX XX 7X: with 7 mm pitch, suitable for medium temperatures in the cold room(Rt >=-20ºC)
- HEB XXXX XX 10X: with 10 mm pitch, suitable for low temperatures in the cold room (Rt >=-35ºC)
- HEB XXXX XX 12X: with 12 mm pitch, suitable for low temperatures in the cold room (Rt >=-40ºC)

The increased pitch compared to commercial models allows for harder use with more frost production.

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

-ø500, 550, 630 mm: three-phase 400V/3/50 Hz with external rotor, with type K grid and nozzle (short mouth) . Operating temperature -40ºC to +40ºC.

## HEB SERIES EVAPORATOR
## EVAPORADORES SERIE HEB

La gama de evaporadores cúbicos industriales HEB ha sido diseñada para su uso en grandes cámaras frigoríficas de conservación de productos frescos y congelados.

Los baterías de intercambio utilizadas en la gama HEB están construidos con una geometría de reconocida alta eficiencia, con aletas de aluminio de perfil especial y tubos de cobre de ø15 mm de alta calidad, con un alto coeficiente de transferencia de calor. Se suministran limpias y probadas a una presión de 30 bar.

La gama HEB dispone de modelos con 4 diferentes pasos de aleta según la temperatura de la cámara:

- HEB XXXX XX 4.5X: con separación de 4,5 mm, aptos para altas temperaturas de cámara (Rt >=0ºC)
- HEB XXXX XX 7X: con separación de 7 mm, aptos para medias temperaturas de cámara (Rt >=-20ºC)
- HEB XXXX XX 10X: con separación de 10 mm, aptos para bajas temperaturas de cámara (Rt >=-35ºC)
- HEB XXXX XX 12X: con separación de 12 mm, aptos para bajas temperaturas de cámara (Rt >=-40ºC)

La separación aumentada respecto de los modelos comerciales permite un uso más duro con una mayor producción de escarcha

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

-ø500, 550, 630 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo K (embocadura corta). Temperatura de funcionamiento -40ºC a +40ºC.

-ø500, 550, 630 mm: three-phase 400V/3/50 Hz with external rotor, with L-type grille and nozzle (long mouth). Operating temperature -40ºC to +40ºC.

-ø630, 800 mm: three-phase 400V/3/50 Hz with external rotor, with ZN-type grille and nozzle (long 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 drain pan 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.

-ø500, 550 y 630 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo L (embocadura larga). Temperatura de funcionamiento -40ºC a +40ºC.

-ø630 y 800 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo ZN (embocadura larga). 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”.

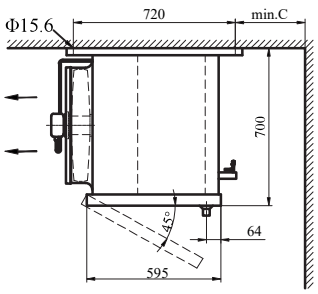
Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

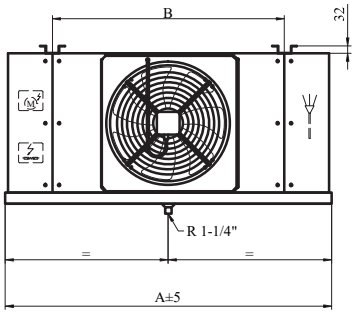
# HEB G 5002 69 7D SS1 SS2 GF

- HEB — Series / Serie
- G — Refrigerant (blank: Freon, G: glycol, N: ammonia, $CO_2$: $CO_2$)/ Refrigerante (blanco: Freon, G: glicol, N: amoníaco, $CO_2$: $CO_2$)
- 50 — Fan ø (mm) / Ventilador ø (mm)
- 02 — Fan number / Número de ventiladores
- 69 — Surface ($m^2$) / Superficie
- 7 — Fin spacing (mm) / Espacio entre aletas
- D — 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)
- SS1 — Tube materials (blank: copper, SS1: stainless steel) / Materiales del tubo (en blanco: cobre, SS1: acero inoxidable)
- SS2 — Casing materials (blank: aluminum, SS2: stainless steel) / Materiales de la carcasa (en blanco: aluminio, SS2: acero inoxidable)
- GF — Fin materials (blank: aluminum, GF: golden fins) / Materiales de las aletas (en blanco: aluminio, GF: aletas doradas)

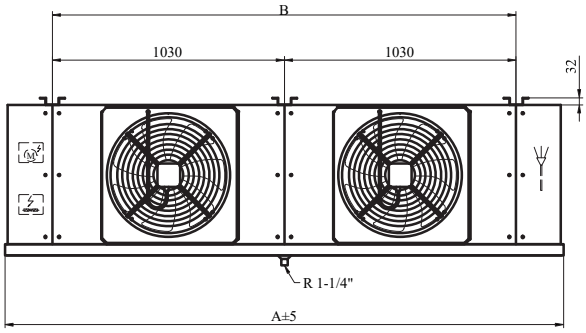
# INDUSTRIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS INDUSTRIAL



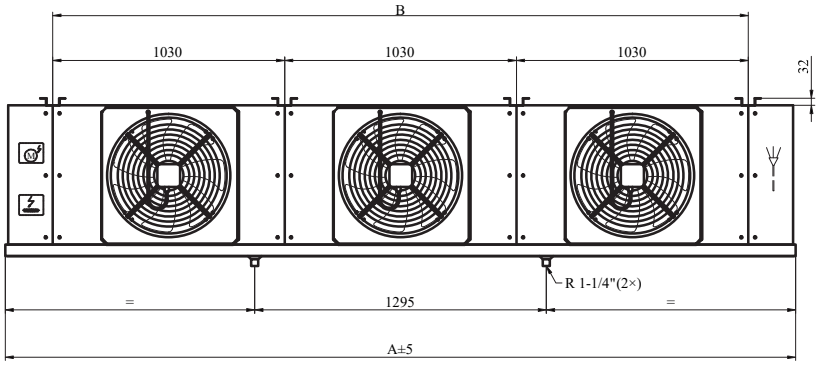


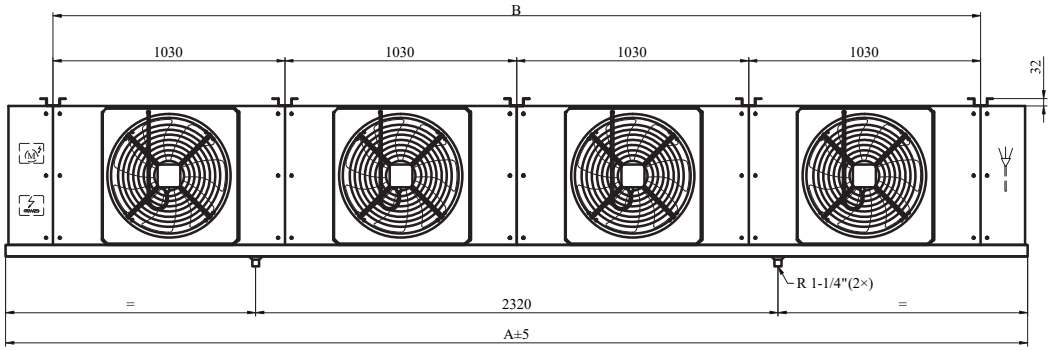

HEB/D 5001




HEB/D 5002




HEB/D 5003

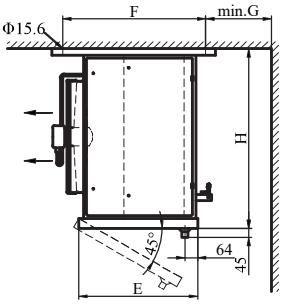


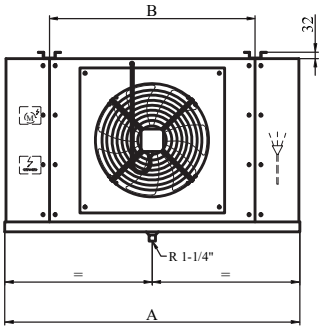

HEB/D 5004

| Model / Model | Dimensions / Dimensiones (mm) | | |
|---|---|---|---|
| | A | B | C |
| HEB 5001... | 1450 | 1030 | 300 |
| HEB 5002... | 2480 | 2060 | 400 |
| HEB 5003... | 3510 | 3090 | 450 |
| HEB 5004... | 4540 | 4120 | 490 |

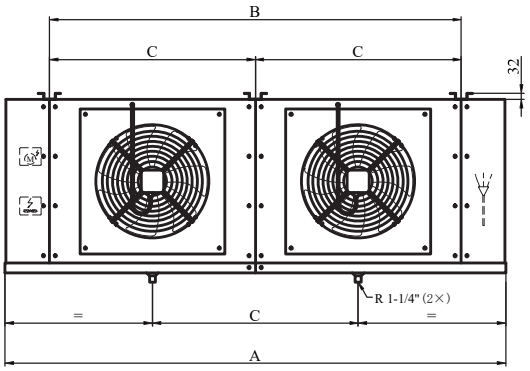
# INDUSTRIAL CUBIC EVAPORATORS
## EVAPORADORES CUBICOS INDUSTRIAL



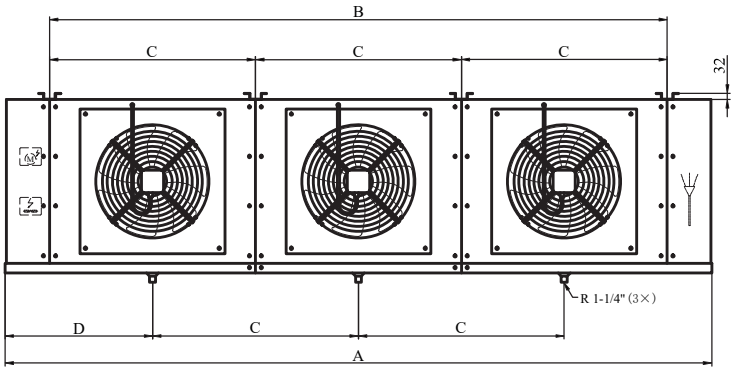


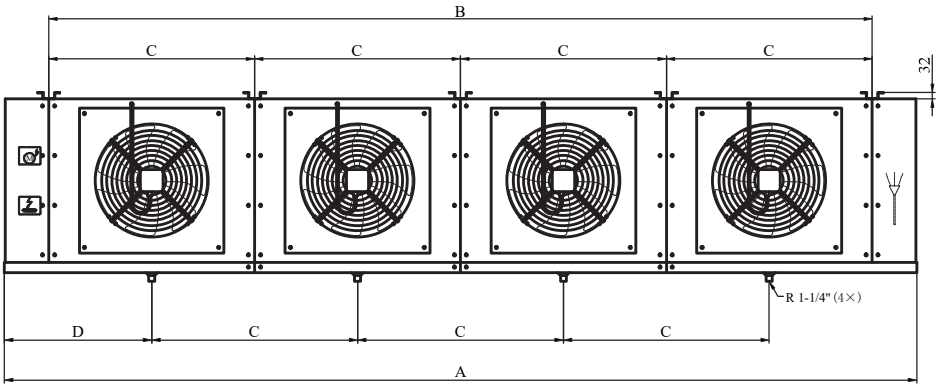

HEB/D
5501/6301/8001




HEB/D
5502/6302/8002




HEB/D
5503/6303/8003




HEB/D
5504/6304

| Model / Model | Dimensions / Dimensiones (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | H |
| HEB 5501(4 rows)… | 1500 | 1030 | 1030 | | 595 | 705 | 260 | 900 |
| HEB 5501(6 rows)… | 1500 | 1030 | 1030 | | 610 | 720 | 260 | 900 |
| HEB 5501(8 rows)… | 1500 | 1030 | 1030 | | 710 | 820 | 260 | 900 |
| HEB 5502(4 rows)… | 2530 | 2060 | 1030 | | 595 | 705 | 380 | 900 |
| HEB 5502(6 rows)… | 2530 | 2060 | 1030 | | 610 | 720 | 380 | 900 |
| HEB 5502(8 rows)… | 2530 | 2060 | 1030 | | 710 | 820 | 380 | 900 |
| HEB 5503(4 rows)… | 3560 | 3090 | 1030 | 750 | 595 | 705 | 460 | 900 |
| HEB 5503(6 rows)… | 3560 | 3090 | 1030 | 750 | 610 | 720 | 460 | 900 |
| HEB 5503(8 rows)… | 3560 | 3090 | 1030 | 750 | 710 | 820 | 460 | 900 |
| HEB 5504(4 rows)… | 4590 | 4120 | 1030 | 750 | 595 | 705 | 500 | 900 |
| HEB 5504(6 rows)… | 4590 | 4120 | 1030 | 750 | 610 | 720 | 500 | 900 |
| HEB 5504(8 rows)… | 4690 | 4120 | 1030 | 750 | 710 | 820 | 500 | 900 |
| HEB 6301(4 rows)… | 1700 | 1230 | 1230 | | 595 | 705 | 310 | 1000 |
| HEB 6301(6 rows)… | 1700 | 1230 | 1230 | | 638 | 750 | 310 | 1000 |
| HEB 6301(8 rows)… | 1700 | 1230 | 1230 | | 710 | 820 | 310 | 1000 |
| HEB 6302(4 rows)… | 2930 | 2460 | 1230 | | 595 | 705 | 440 | 1000 |
| HEB 6302(6 rows)… | 2930 | 2460 | 1230 | | 638 | 750 | 440 | 1000 |
| HEB 6302(8 rows)… | 2930 | 2460 | 1230 | | 710 | 820 | 440 | 1000 |
| HEB 6303(4 rows)… | 4160 | 3690 | 1230 | 850 | 595 | 705 | 530 | 1000 |
| HEB 6303(6 rows)… | 4160 | 3690 | 1230 | 850 | 638 | 750 | 530 | 1000 |
| HEB 6303(8 rows)… | 4160 | 3690 | 1230 | 850 | 710 | 820 | 530 | 1000 |
| HEB 6304(4 rows)… | 5390 | 4920 | 1230 | 850 | 595 | 705 | 580 | 1000 |
| HEB 6304(6 rows)… | 5390 | 4920 | 1230 | 850 | 638 | 750 | 580 | 1000 |
| HEB 6304(8 rows)… | 5390 | 4920 | 1230 | 850 | 710 | 820 | 580 | 1000 |
| HEB 8001(4 rows)… | 1900 | 1430 | 1430 | | 610 | 720 | 390 | 1300 |
| HEB 8001(6 rows)… | 1900 | 1430 | 1430 | | 710 | 820 | 390 | 1300 |
| HEB 8001(8 rows)… | 1900 | 1430 | 1430 | | 770 | 880 | 390 | 1300 |
| HEB 8002(4 rows)… | 3330 | 2860 | 1430 | | 610 | 720 | 580 | 1300 |
| HEB 8002(6 rows)… | 3330 | 2860 | 1430 | | 710 | 820 | 580 | 1300 |
| HEB 8002(8 rows)… | 3330 | 2860 | 1430 | | 770 | 880 | 580 | 1300 |
| HEB 8003(4 rows)… | 4760 | 4290 | 1430 | 950 | 610 | 720 | 700 | 1300 |
| HEB 8003(6 rows)… | 4760 | 4290 | 1430 | 950 | 710 | 820 | 700 | 1300 |
| HEB 8003(8 rows)… | 4760 | 4290 | 1430 | 950 | 770 | 880 | 700 | 1300 |

The number of rows refers to the number of tube rows in width in the heat exchanger.The number of rows can be found in the characteristics of each evaporator on the following pages.

El número de filas se refiere al número de filas de tubos en anchura en el intercambiador de calor. Se puede ver el número de filas en las características de cada evaporador en las páginas siguientes.

# INDUSTRIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS INDUSTRIAL



**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 ($dm^3$) | Bobina Filas Coil Rows | N.W/ Peso Neto (kg) | Connection/ Conexión (ø 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 | | | | | | |
| HEB 5001 53 4.5D | 8.02 | 6.27 | 8.14 | 6.54 | 50.5 | 7.3 | | 92 | 12 | 28 |
| HEB 5001 79 4.5D | 10.73 | 8.09 | 10.94 | 8.50 | 75.7 | 11.0 | | 104 | 12 | 28 |
| HEB 5002 106 4.5D | 16.50 | 12.89 | 16.72 | 13.42 | 103.8 | 15.0 | | 163 | 15 | 42 |
| HEB 5002 159 4.5D | 22.20 | 17.25 | 22.39 | 17.82 | 155.7 | 22.5 | | 187 | 15 | 42 |
| HEB 5003 159 4.5D | 24.82 | 18.75 | 25.41 | 19.83 | 157.1 | 22.7 | | 233 | 15 | 54 |
| HEB 5003 239 4.5D | 33.44 | 25.25 | 34.06 | 26.44 | 235.7 | 34.1 | | 270 | 22 | 54 |
| HEB 5004 218 4.5D | 33.47 | 26.14 | 33.88 | 27.19 | 210.5 | 30.4 | | 304 | 22 | 54 |
| HEB 5004 327 4.5D | 42.50 | 29.52 | 44.66 | 32.21 | 315.7 | 45.7 | | 353 | 22 | 54 |
| HEB 5501 67 4.5D | 10.15 | 7.91 | 10.26 | 8.22 | 67.4 | 9.7 | 4 | 112 | 15 | 35 |
| HEB 5501 103 4.5D | 13.67 | 10.54 | 13.77 | 10.86 | 101.1 | 14.6 | 6 | 129 | 15 | 35 |
| HEB 5501 135 4.5D | 16.21 | 12.43 | 16.28 | 12.59 | 134.7 | 19.5 | 8 | 151 | 15 | 42 |
| HEB 5502 139 4.5D | 20.86 | 16.25 | 21.08 | 16.84 | 138.5 | 20.0 | 4 | 199 | 22 | 42 |
| HEB 5502 213 4.5D | 28.03 | 21.61 | 28.22 | 22.23 | 207.8 | 30.1 | 6 | 233 | 22 | 42 |
| HEB 5502 277 4.5D | 33.23 | 25.43 | 33.35 | 25.79 | 277.1 | 40.1 | 8 | 274 | 22 | 54 |
| HEB 5503 210 4.5D | 29.63 | 20.50 | 31.28 | 22.51 | 209.7 | 30.3 | 4 | 286 | 22 | 54 |
| HEB 5503 323 4.5D | 42.25 | 31.71 | 42.90 | 33.04 | 314.6 | 45.5 | 6 | 336 | 22 | 54 |
| HEB 5503 419 4.5D | 48.23 | 33.68 | 50.06 | 36.07 | 419.4 | 60.7 | 8 | 396 | 22 | 54 |
| HEB 5504 281 4.5D | 42.29 | 32.95 | 42.71 | 34.11 | 280.9 | 40.6 | 4 | 373 | 22 | 54 |
| HEB 5504 433 4.5D | 53.98 | 37.49 | 56.46 | 40.63 | 421.3 | 60.9 | 6 | 440 | 22 | 67 |
| HEB 5504 562 4.5D | 67.28 | 51.44 | 67.50 | 52.17 | 561.8 | 81.2 | 8 | 519 | 28 | 67 |
| HEB 6301 91 4.5D | 14.23 | 11.41 | 14.28 | 11.72 | 91.3 | 13.2 | 4 | 141 | 15 | 35 |
| HEB 6301 137 4.5D | 19.21 | 15.21 | 19.23 | 15.44 | 137.0 | 19.8 | 6 | 165 | 15 | 42 |
| HEB 6301 187 4.5D | 22.71 | 16.77 | 23.14 | 17.53 | 182.7 | 26.4 | 8 | 192 | 15 | 42 |
| HEB 6302 187 4.5D | 28.75 | 21.34 | 29.61 | 22.72 | 187.0 | 27.0 | 4 | 254 | 22 | 42 |
| HEB 6302 280 4.5D | 39.25 | 31.05 | 39.28 | 31.57 | 280.4 | 40.6 | 6 | 302 | 22 | 54 |
| HEB 6302 384 4.5D | 46.43 | 34.29 | 47.26 | 35.80 | 373.9 | 54.1 | 8 | 353 | 22 | 54 |
| HEB 6303 283 4.5D | 42.53 | 30.42 | 44.38 | 32.97 | 282.6 | 40.9 | 4 | 368 | 22 | 54 |
| HEB 6303 424 4.5D | 57.78 | 41.41 | 59.84 | 44.33 | 423.9 | 61.3 | 6 | 439 | 28 | 67 |
| HEB 6303 581 4.5D | 63.65 | 41.91 | 67.74 | 46.54 | 565.2 | 81.7 | 8 | 514 | 2×22 | 2×54 |
| HEB 6304 378 4.5D | 58.23 | 43.25 | 59.92 | 45.99 | 378.2 | 54.7 | 4 | 482 | 28 | 67 |
| HEB 6304 567 4.5D | 70.21 | - | 75.50 | 51.51 | 567.3 | 82.0 | 6 | 576 | 2×22 | 2×54 |
| HEB 6304 778 4.5D | 93.89 | 69.36 | 95.51 | 72.36 | 756.4 | 109.4 | 8 | 675 | 2×22 | 2×67 |
| HEB 8001 143 4.5D | 22.47 | 17.37 | 22.85 | 18.19 | 142.5 | 20.6 | 4 | 202 | 15 | 42 |
| HEB 8001 214 4.5D | 30.30 | 23.23 | 30.67 | 24.12 | 213.8 | 30.9 | 6 | 243 | 22 | 54 |
| HEB 8001 292 4.5D | 34.81 | 24.82 | 35.99 | 26.50 | 285.0 | 41.2 | 8 | 282 | 22 | 54 |
| HEB 8002 291 4.5D | 45.88 | 35.49 | 46.62 | 37.12 | 290.7 | 42.0 | 4 | 368 | 22 | 54 |
| HEB 8002 436 4.5D | 61.78 | 47.38 | 62.49 | 49.12 | 436.1 | 63.1 | 6 | 447 | 28 | 67 |
| HEB 8002 597 4.5D | 71.13 | 50.79 | 73.46 | 54.12 | 581.5 | 84.1 | 8 | 522 | 28 | 76 |
| HEB 8003 439 4.5D | 69.31 | 53.62 | 70.41 | 56.04 | 439.0 | 63.5 | 4 | 534 | 2×22 | 2×54 |
| HEB 8003 658 4.5D | 87.03 | 59.53 | 91.90 | 65.34 | 658.4 | 95.2 | 6 | 651 | 2×22 | 2×54 |
| HEB 8003 902 4.5D | 104.45 | 72.24 | 109.27 | 78.21 | 877.9 | 127.0 | 8 | 762 | 2×22 | 2×67 |

**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) |
| HEB 5001 53 4.5D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 6950 | 16 | 3 × 1280 | 2 × 1280 | 6400 |
| HEB 5001 79 4.5D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 6424 | 15 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5002 106 4.5D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 13962 | 19 | 3 × 2320 | 2 × 2320 | 11600 |
| HEB 5002 159 4.5D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 12988 | 18 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5003 159 4.5D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 20970 | 23 | 3 × 3200 | 2 × 3200 | 16000 |
| HEB 5003 239 4.5D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 19541 | 22 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5004 218 4.5D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 27987 | 27 | 3 × 4260 | 2 × 4260 | 21300 |
| HEB 5004 327 4.5D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 26083 | 26 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5501 67 4.5D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 8056 | 15 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5501 103 4.5D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 7636 | 15 | 5 × 1280 | 2 × 1280 | 8960 |
| HEB 5501 135 4.5D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 7223 | 14 | 7 × 1280 | 2 × 1280 | 11520 |
| HEB 5502 139 4.5D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 16193 | 18 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5502 213 4.5D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 15370 | 17 | 5 × 2320 | 2 × 2320 | 16240 |
| HEB 5502 277 4.5D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 14600 | 17 | 7 × 2320 | 2 × 2320 | 20880 |
| HEB 5503 210 4.5D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 24315 | 21 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5503 323 4.5D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 23099 | 21 | 5 × 3200 | 2 × 3200 | 22400 |
| HEB 5503 419 4.5D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 21964 | 21 | 7 × 3200 | 2 × 3200 | 28800 |
| HEB 5504 281 4.5D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 32464 | 26 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5504 433 4.5D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 30820 | 25 | 5 × 4260 | 2 × 4260 | 29820 |
| HEB 5504 562 4.5D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 29351 | 24 | 7 × 4260 | 2 × 4260 | 38340 |
| HEB 6301 91 4.5D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 11852 | 19 | 4 × 1510 | 2 × 1510 | 9060 |
| HEB 6301 137 4.5D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 11178 | 18 | 6 × 1510 | 2 × 1510 | 12080 |
| HEB 6301 187 4.5D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 10560 | 18 | 7 × 1510 | 2 × 1510 | 13590 |
| HEB 6302 187 4.5D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 23790 | 22 | 4 × 2740 | 2 × 2740 | 16440 |
| HEB 6302 280 4.5D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 22495 | 21 | 6 × 2740 | 2 × 2740 | 21920 |
| HEB 6302 384 4.5D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 21286 | 21 | 7 × 2740 | 2 × 2740 | 24660 |
| HEB 6303 283 4.5D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 35728 | 26 | 4 × 3800 | 2 × 3800 | 22800 |
| HEB 6303 424 4.5D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 33785 | 26 | 6 × 3800 | 2 × 3800 | 30400 |
| HEB 6303 581 4.5D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 31997 | 26 | 7 × 3800 | 2 × 3800 | 34200 |
| HEB 6304 378 4.5D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 47677 | 32 | 4 × 5060 | 2 × 5060 | 30360 |
| HEB 6304 567 4.5D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 45076 | 31 | 6 × 5060 | 2 × 5060 | 40480 |
| HEB 6304 778 4.5D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 42734 | 31 | 7 × 5060 | 2 × 5060 | 45540 |
| HEB 8001 143 4.5D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 19022 | 27 | 5 × 1700 | 2 × 1700 | 11900 |
| HEB 8001 214 4.5D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 17780 | 26 | 8 × 1700 | 2 × 1700 | 17000 |
| HEB 8001 292 4.5D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 16565 | 25 | 10 × 1700 | 2 × 1700 | 20400 |
| HEB 8002 291 4.5D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 38225 | 31 | 5 × 2810 | 2 × 2810 | 19670 |
| HEB 8002 436 4.5D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 35754 | 31 | 8 × 2810 | 2 × 2810 | 28100 |
| HEB 8002 597 4.5D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 33429 | 30 | 10 × 2810 | 2 × 2810 | 33720 |
| HEB 8003 439 4.5D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 57426 | 37 | 5 × 4420 | 2 × 4420 | 30940 |
| HEB 8003 658 4.5D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 53693 | 36 | 8 × 4420 | 2 × 4420 | 44200 |
| HEB 8003 902 4.5D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 50283 | 36 | 10 × 4420 | 2 × 4420 | 53040 |

# INDUSTRIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS INDUSTRIAL



**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 ($dm^3$) | Bobina Filas Coil Rows | N.W/ Peso Neto (kg) | Connection/ Conexión (ø 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 | | | | | | |
| HEB 5001 35 7D | 6.41 | 5.15 | 6.45 | 5.27 | 33.2 | 7.3 | | 88 | 12 | 28 |
| HEB 5001 52 7D | 8.97 | 6.96 | 9.08 | 7.23 | 49.9 | 11.0 | | 98 | 12 | 28 |
| HEB 5002 69 7D | 13.19 | 10.58 | 13.26 | 10.83 | 68.4 | 15.0 | | 155 | 15 | 42 |
| HEB 5002 103 7D | 18.35 | 14.58 | 18.43 | 14.69 | 102.5 | 22.5 | | 175 | 15 | 42 |
| HEB 5003 103 7D | 20.06 | 15.65 | 20.33 | 16.25 | 103.5 | 22.7 | | 222 | 15 | 54 |
| HEB 5003 156 7D | 27.92 | 21.61 | 28.22 | 22.32 | 155.2 | 34.1 | | 252 | 22 | 54 |
| HEB 5004 139 7D | 26.74 | 21.45 | 26.88 | 21.97 | 138.6 | 30.4 | | 288 | 22 | 54 |
| HEB 5004 209 7D | 36.57 | 26.26 | 37.93 | 28.11 | 207.9 | 45.7 | | 329 | 22 | 54 |
| HEB 5501 44 7D | 8.11 | 6.47 | 8.14 | 6.53 | 44.4 | 9.7 | 4 | 107 | 15 | 35 |
| HEB 5501 67 7D | 11.23 | 8.89 | 11.23 | 8.81 | 66.5 | 14.6 | 6 | 122 | 15 | 35 |
| HEB 5501 89 7D | 13.76 | 10.78 | 13.46 | 10.52 | 88.7 | 19.5 | 8 | 141 | 15 | 42 |
| HEB 5502 91 7D | 16.64 | 13.27 | 16.71 | 13.44 | 91.2 | 20.0 | 4 | 189 | 22 | 42 |
| HEB 5502 137 7D | 23.03 | 18.19 | 23.07 | 18.09 | 136.8 | 30.1 | 6 | 217 | 22 | 42 |
| HEB 5502 182 7D | 28.17 | 22.04 | 27.71 | 21.56 | 182.5 | 40.1 | 8 | 253 | 22 | 54 |
| HEB 5503 138 7D | 24.74 | 17.79 | 25.69 | 19.10 | 138.1 | 30.3 | 4 | 270 | 22 | 54 |
| HEB 5503 208 7D | 35.03 | 27.03 | 35.33 | 27.77 | 207.1 | 45.5 | 6 | 313 | 22 | 54 |
| HEB 5503 276 7D | 42.24 | 30.38 | 43.45 | 32.10 | 276.2 | 60.7 | 8 | 365 | 22 | 54 |
| HEB 5504 185 7D | 33.72 | 26.88 | 33.85 | 27.24 | 185.0 | 40.6 | 4 | 352 | 22 | 54 |
| HEB 5504 278 7D | 46.08 | 33.16 | 47.60 | 35.28 | 277.4 | 60.9 | 6 | 409 | 22 | 67 |
| HEB 5504 370 7D | 56.99 | 44.56 | 56.22 | 43.74 | 369.9 | 81.2 | 8 | 478 | 28 | 67 |
| HEB 6301 60 7D | 11.25 | 9.20 | 11.20 | 9.05 | 60.1 | 13.2 | 4 | 134 | 15 | 35 |
| HEB 6301 90 7D | 15.66 | 12.69 | 15.24 | 12.29 | 90.2 | 19.8 | 6 | 155 | 15 | 42 |
| HEB 6301 120 7D | 19.49 | 14.81 | 19.73 | 15.29 | 120.3 | 26.4 | 8 | 178 | 15 | 42 |
| HEB 6302 123 7D | 23.33 | 17.86 | 23.74 | 18.65 | 123.1 | 27.0 | 4 | 241 | 22 | 42 |
| HEB 6302 185 7D | 31.99 | 25.87 | 31.32 | 25.14 | 184.7 | 40.6 | 6 | 281 | 22 | 54 |
| HEB 6302 247 7D | 39.85 | 30.25 | 40.30 | 31.27 | 246.2 | 54.1 | 8 | 325 | 22 | 54 |
| HEB 6303 186 7D | 34.98 | 25.94 | 35.98 | 27.48 | 186.1 | 40.9 | 4 | 347 | 22 | 54 |
| HEB 6303 279 7D | 48.79 | 36.14 | 49.99 | 38.04 | 279.1 | 61.3 | 6 | 408 | 28 | 67 |
| HEB 6303 373 7D | 56.85 | 38.91 | 59.76 | 42.31 | 372.1 | 81.7 | 8 | 472 | 2×22 | 2×54 |
| HEB 6304 249 7D | 47.19 | 36.15 | 48.01 | 37.70 | 249.0 | 54.7 | 4 | 454 | 28 | 67 |
| HEB 6304 374 7D | 61.46 | 41.87 | 65.02 | 45.94 | 373.5 | 82.0 | 6 | 534 | 2×22 | 2×54 |
| HEB 6304 500 7D | 80.53 | 61.15 | 81.45 | 63.21 | 498.0 | 109.4 | 8 | 619 | 2×22 | 2×67 |
| HEB 8001 94 7D | 18.07 | 14.35 | 18.22 | 14.78 | 93.8 | 20.6 | 4 | 191 | 15 | 42 |
| HEB 8001 141 7D | 25.02 | 19.73 | 25.17 | 20.06 | 140.8 | 30.9 | 6 | 228 | 22 | 54 |
| HEB 8001 188 7D | 30.47 | 22.34 | 31.25 | 23.53 | 187.7 | 41.2 | 8 | 261 | 22 | 54 |
| HEB 8002 191 7D | 36.86 | 29.26 | 37.15 | 30.11 | 191.4 | 42.0 | 4 | 346 | 22 | 54 |
| HEB 8002 287 7D | 51.00 | 40.20 | 51.29 | 40.95 | 287.2 | 63.1 | 6 | 415 | 28 | 67 |
| HEB 8002 384 7D | 62.18 | 45.62 | 63.69 | 47.96 | 382.9 | 84.1 | 8 | 479 | 28 | 76 |
| HEB 8003 289 7D | 55.65 | 44.17 | 56.08 | 45.44 | 289.0 | 63.5 | 4 | 501 | 2×22 | 2×54 |
| HEB 8003 434 7D | 74.94 | 53.28 | 78.05 | 57.34 | 433.5 | 95.2 | 6 | 602 | 2×22 | 2×54 |
| HEB 8003 580 7D | 92.34 | 65.70 | 95.63 | 70.10 | 578.1 | 127.0 | 8 | 697 | 2×22 | 2×67 |

**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) |
| HEB 5001 35 7D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 7136 | 16 | 3 × 1280 | 2 × 1280 | 6400 |
| HEB 5001 52 7D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 6791 | 16 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5002 69 7D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 14361 | 20 | 3 × 2320 | 2 × 2320 | 11600 |
| HEB 5002 103 7D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 13685 | 19 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5003 103 7D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 21577 | 24 | 3 × 3200 | 2 × 3200 | 16000 |
| HEB 5003 156 7D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 20568 | 23 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5004 139 7D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 28808 | 28 | 3 × 4260 | 2 × 4260 | 21300 |
| HEB 5004 209 7D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 27439 | 28 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5501 44 7D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 8273 | 15 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5501 67 7D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 7898 | 15 | 5 × 1280 | 2 × 1280 | 8960 |
| HEB 5501 89 7D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 7586 | 14 | 7 × 1280 | 2 × 1280 | 11520 |
| HEB 5502 91 7D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 16615 | 19 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5502 137 7D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 15882 | 18 | 5 × 2320 | 2 × 2320 | 16240 |
| HEB 5502 182 7D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 15275 | 18 | 7 × 2320 | 2 × 2320 | 20880 |
| HEB 5503 138 7D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 24939 | 22 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5503 208 7D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 23860 | 22 | 5 × 3200 | 2 × 3200 | 22400 |
| HEB 5503 276 7D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 22949 | 21 | 7 × 3200 | 2 × 3200 | 28800 |
| HEB 5504 185 7D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 33296 | 26 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5504 278 7D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 31827 | 26 | 5 × 4260 | 2 × 4260 | 29820 |
| HEB 5504 370 7D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 30647 | 26 | 7 × 4260 | 2 × 4260 | 38340 |
| HEB 6301 60 7D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 12134 | 21 | 4 × 1510 | 2 × 1510 | 9060 |
| HEB 6301 90 7D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 11607 | 20 | 6 × 1510 | 2 × 1510 | 12080 |
| HEB 6301 120 7D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 11085 | 19 | 7 × 1510 | 2 × 1510 | 13590 |
| HEB 6302 123 7D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 24319 | 23 | 4 × 2740 | 2 × 2740 | 16440 |
| HEB 6302 185 7D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 23331 | 23 | 6 × 2740 | 2 × 2740 | 21920 |
| HEB 6302 247 7D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 22320 | 22 | 7 × 2740 | 2 × 2740 | 24660 |
| HEB 6303 186 7D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 36499 | 28 | 4 × 3800 | 2 × 3800 | 22800 |
| HEB 6303 279 7D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 35024 | 27 | 6 × 3800 | 2 × 3800 | 30400 |
| HEB 6303 373 7D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 33532 | 27 | 7 × 3800 | 2 × 3800 | 34200 |
| HEB 6304 249 7D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 48689 | 33 | 4 × 5060 | 2 × 5060 | 30360 |
| HEB 6304 374 7D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 46718 | 33 | 6 × 5060 | 2 × 5060 | 40480 |
| HEB 6304 500 7D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 44784 | 32 | 7 × 5060 | 2 × 5060 | 45540 |
| HEB 8001 94 7D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 19678 | 27 | 5 × 1700 | 2 × 1700 | 11900 |
| HEB 8001 141 7D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 18523 | 27 | 8 × 1700 | 2 × 1700 | 17000 |
| HEB 8001 188 7D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 17624 | 26 | 10 × 1700 | 2 × 1700 | 20400 |
| HEB 8002 191 7D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 39493 | 32 | 5 × 2810 | 2 × 2810 | 19670 |
| HEB 8002 287 7D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 37238 | 31 | 8 × 2810 | 2 × 2810 | 28100 |
| HEB 8002 384 7D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 35468 | 31 | 10 × 2810 | 2 × 2810 | 33720 |
| HEB 8003 289 7D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 59307 | 38 | 5 × 4420 | 2 × 4420 | 30940 |
| HEB 8003 434 7D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 55902 | 37 | 8 × 4420 | 2 × 4420 | 44200 |
| HEB 8003 580 7D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 53292 | 37 | 10 × 4420 | 2 × 4420 | 53040 |

# INDUSTRIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS INDUSTRIAL



**FIN SPACING 10 mm, with electrical defrost. Rt>=-40ºC**
SEPARACIÓN ALETAS 10 mm, con desescarche eléctrico. Rt>=-40ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | Bobina Filas Coil Rows | N.W/ Peso Neto (kg) | Connection/ Conexión (ø 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 | | | | | | |
| HEB 5001 25 10D | 5.36 | 4.34 | 5.29 | 4.25 | 23.9 | 7.3 | | 86 | 12 | 28 |
| HEB 5001 37 10D | 7.66 | 6.01 | 7.72 | 6.03 | 35.9 | 11.0 | | 96 | 12 | 28 |
| HEB 5002 49 10D | 11.01 | 8.90 | 10.95 | 8.76 | 49.2 | 15.0 | | 151 | 15 | 42 |
| HEB 5002 75 10D | 15.55 | 12.46 | 15.19 | 12.08 | 73.8 | 22.5 | | 170 | 15 | 42 |
| HEB 5003 75 10D | 16.86 | 13.30 | 17.00 | 13.57 | 74.5 | 22.7 | | 216 | 15 | 54 |
| HEB 5003 111 10D | 23.80 | 18.63 | 23.96 | 18.74 | 111.7 | 34.1 | | 244 | 22 | 54 |
| HEB 5004 98 10D | 22.33 | 18.04 | 22.28 | 17.77 | 99.8 | 30.4 | | 281 | 22 | 54 |
| HEB 5004 147 10D | 31.80 | 23.29 | 32.69 | 24.57 | 149.6 | 45.7 | | 318 | 22 | 54 |
| HEB 5501 32 10D | 6.74 | 5.42 | 6.54 | 5.24 | 31.9 | 9.7 | 4 | 105 | 15 | 35 |
| HEB 5501 47 10D | 9.51 | 7.60 | 9.09 | 7.26 | 47.9 | 14.6 | 6 | 118 | 15 | 35 |
| HEB 5501 64 10D | 11.86 | 9.41 | 11.15 | 8.90 | 63.9 | 19.5 | 8 | 136 | 15 | 42 |
| HEB 5502 66 10D | 13.83 | 11.11 | 13.51 | 10.76 | 65.7 | 20.0 | 4 | 184 | 22 | 42 |
| HEB 5502 96 10D | 19.50 | 15.54 | 18.77 | 14.91 | 98.5 | 30.1 | 6 | 210 | 22 | 42 |
| HEB 5502 131 10D | 24.29 | 19.20 | 23.00 | 18.25 | 131.3 | 40.1 | 8 | 243 | 22 | 54 |
| HEB 5503 99 10D | 21.13 | 15.52 | 21.72 | 16.38 | 99.4 | 30.3 | 4 | 262 | 22 | 54 |
| HEB 5503 145 10D | 29.83 | 23.28 | 29.92 | 23.14 | 149.1 | 45.5 | 6 | 301 | 22 | 54 |
| HEB 5503 199 10D | 37.24 | 27.27 | 38.04 | 28.61 | 198.8 | 60.7 | 8 | 350 | 22 | 54 |
| HEB 5504 133 10D | 28.02 | 22.47 | 27.45 | 21.86 | 133.1 | 40.6 | 4 | 341 | 22 | 54 |
| HEB 5504 195 10D | 39.99 | 29.34 | 40.96 | 30.79 | 199.7 | 60.9 | 6 | 393 | 22 | 67 |
| HEB 5504 266 10D | 49.14 | 38.81 | 46.68 | 36.96 | 266.3 | 81.2 | 8 | 457 | 28 | 67 |
| HEB 6301 43 10D | 9.30 | 7.64 | 8.72 | 7.17 | 43.3 | 13.2 | 4 | 131 | 15 | 35 |
| HEB 6301 65 10D | 13.21 | 10.74 | 12.21 | 10.04 | 64.9 | 19.8 | 6 | 150 | 15 | 42 |
| HEB 6301 84 10D | 16.98 | 13.07 | 17.12 | 13.12 | 86.6 | 26.4 | 8 | 171 | 15 | 42 |
| HEB 6302 89 10D | 19.56 | 15.18 | 19.78 | 15.62 | 88.6 | 27.0 | 4 | 234 | 22 | 42 |
| HEB 6302 133 10D | 26.98 | 21.93 | 25.12 | 20.53 | 132.9 | 40.6 | 6 | 271 | 22 | 54 |
| HEB 6302 173 10D | 34.67 | 26.68 | 34.94 | 26.82 | 177.2 | 54.1 | 8 | 311 | 22 | 54 |
| HEB 6303 134 10D | 29.58 | 22.33 | 30.16 | 23.30 | 133.9 | 40.9 | 4 | 337 | 22 | 54 |
| HEB 6303 201 10D | 42.04 | 31.65 | 42.77 | 32.90 | 200.9 | 61.3 | 6 | 392 | 28 | 67 |
| HEB 6303 261 10D | 50.90 | 35.63 | 52.98 | 38.21 | 267.9 | 81.7 | 8 | 451 | 2×22 | 2×54 |
| HEB 6304 179 10D | 39.55 | 30.69 | 39.98 | 31.60 | 179.3 | 54.7 | 4 | 440 | 28 | 67 |
| HEB 6304 269 10D | 54.28 | 37.89 | 56.74 | 40.88 | 268.9 | 82.0 | 6 | 513 | 2×22 | 2×54 |
| HEB 6304 350 10D | 70.07 | 53.91 | 70.59 | 54.22 | 358.5 | 109.4 | 8 | 591 | 2×22 | 2×67 |
| HEB 8001 68 10D | 15.10 | 12.10 | 15.16 | 12.02 | 67.6 | 20.6 | 4 | 186 | 15 | 42 |
| HEB 8001 101 10D | 21.32 | 16.98 | 21.04 | 16.66 | 101.3 | 30.9 | 6 | 220 | 22 | 54 |
| HEB 8001 132 10D | 26.81 | 20.02 | 27.32 | 20.93 | 135.1 | 41.2 | 8 | 250 | 22 | 54 |
| HEB 8002 138 10D | 30.78 | 24.64 | 30.89 | 24.53 | 137.8 | 42.0 | 4 | 335 | 22 | 54 |
| HEB 8002 207 10D | 43.44 | 34.57 | 43.09 | 34.00 | 206.7 | 63.1 | 6 | 398 | 28 | 67 |
| HEB 8002 269 10D | 54.65 | 40.82 | 55.64 | 42.63 | 275.6 | 84.1 | 8 | 457 | 28 | 76 |
| HEB 8003 208 10D | 46.47 | 37.18 | 46.63 | 37.04 | 208.1 | 63.5 | 4 | 485 | 2×22 | 2×54 |
| HEB 8003 312 10D | 65.57 | 47.61 | 67.63 | 50.48 | 312.1 | 95.2 | 6 | 578 | 2×22 | 2×54 |
| HEB 8003 406 10D | 81.81 | 59.43 | 84.08 | 62.65 | 416.1 | 127.0 | 8 | 664 | 2×22 | 2×67 |

**FIN SPACING 10 mm, with electrical defrost. Rt>=-40ºC**
SEPARACIÓN ALETAS 10 mm, con desescarche eléctrico. Rt>=-40ºC

| 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) |
| HEB 5001 25 10D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 7313 | 17 | 3 × 1280 | 2 × 1280 | 6400 |
| HEB 5001 37 10D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 6969 | 16 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5002 49 10D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 14707 | 20 | 3 × 2320 | 2 × 2320 | 11600 |
| HEB 5002 75 10D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 13996 | 20 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5003 75 10D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 22092 | 24 | 3 × 3200 | 2 × 3200 | 16000 |
| HEB 5003 111 10D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 21048 | 24 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5004 98 10D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 29493 | 29 | 3 × 4260 | 2 × 4260 | 21300 |
| HEB 5004 147 10D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 28072 | 28 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5501 32 10D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 8414 | 16 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5501 47 10D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 8079 | 16 | 5 × 1280 | 2 × 1280 | 8960 |
| HEB 5501 64 10D | 560 | 1 | 3 ~ 400 | 770 | 1.7 | 7793 | 15 | 7 × 1280 | 2 × 1280 | 11520 |
| HEB 5502 66 10D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 16887 | 19 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5502 96 10D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 16237 | 19 | 5 × 2320 | 2 × 2320 | 16240 |
| HEB 5502 131 10D | 560 | 2 | 3 ~ 400 | 1540 | 3.3 | 15679 | 18 | 7 × 2320 | 2 × 2320 | 20880 |
| HEB 5503 99 10D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 25343 | 23 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5503 145 10D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 24389 | 22 | 5 × 3200 | 2 × 3200 | 22400 |
| HEB 5503 199 10D | 560 | 3 | 3 ~ 400 | 2310 | 5.0 | 23547 | 22 | 7 × 3200 | 2 × 3200 | 28800 |
| HEB 5504 133 10D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 33831 | 28 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5504 195 10D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 32529 | 27 | 5 × 4260 | 2 × 4260 | 29820 |
| HEB 5504 266 10D | 560 | 4 | 3 ~ 400 | 3080 | 6.6 | 31445 | 27 | 7 × 4260 | 2 × 4260 | 38340 |
| HEB 6301 43 10D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 12264 | 20 | 4 × 1510 | 2 × 1510 | 9060 |
| HEB 6301 65 10D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 11885 | 20 | 6 × 1510 | 2 × 1510 | 12080 |
| HEB 6301 84 10D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 11429 | 19 | 7 × 1510 | 2 × 1510 | 13590 |
| HEB 6302 89 10D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 24567 | 24 | 4 × 2740 | 2 × 2740 | 16440 |
| HEB 6302 133 10D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 23868 | 23 | 6 × 2740 | 2 × 2740 | 21920 |
| HEB 6302 173 10D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 22981 | 23 | 7 × 2740 | 2 × 2740 | 24660 |
| HEB 6303 134 10D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 36869 | 29 | 4 × 3800 | 2 × 3800 | 22800 |
| HEB 6303 201 10D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 35820 | 29 | 6 × 3800 | 2 × 3800 | 30400 |
| HEB 6303 261 10D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 34510 | 28 | 7 × 3800 | 2 × 3800 | 34200 |
| HEB 6304 179 10D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 49181 | 34 | 4 × 5060 | 2 × 5060 | 30360 |
| HEB 6304 269 10D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 47773 | 33 | 6 × 5060 | 2 × 5060 | 40480 |
| HEB 6304 350 10D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 46082 | 33 | 7 × 5060 | 2 × 5060 | 45540 |
| HEB 8001 68 10D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 20071 | 28 | 5 × 1700 | 2 × 1700 | 11900 |
| HEB 8001 101 10D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 19089 | 28 | 8 × 1700 | 2 × 1700 | 17000 |
| HEB 8001 132 10D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 18201 | 27 | 10 × 1700 | 2 × 1700 | 20400 |
| HEB 8002 138 10D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 40262 | 33 | 5 × 2810 | 2 × 2810 | 19670 |
| HEB 8002 207 10D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 38358 | 32 | 8 × 2810 | 2 × 2810 | 28100 |
| HEB 8002 269 10D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 36583 | 32 | 10 × 2810 | 2 × 2810 | 33720 |
| HEB 8003 208 10D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 60451 | 39 | 5 × 4420 | 2 × 4420 | 30940 |
| HEB 8003 312 10D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 57570 | 38 | 8 × 4420 | 2 × 4420 | 44200 |
| HEB 8003 406 10D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 54953 | 38 | 10 × 4420 | 2 × 4420 | 53040 |

# INDUSTRIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS INDUSTRIAL



**FIN SPACING 12 mm, with electrical defrost. Rt>=-40ºC**
SEPARACIÓN ALETAS 12 mm, con desescarche eléctrico. Rt>=-40ºC

| Model / Modelo | Capacity / Capacidad R404A (kW) | | Capacity / Capacidad R448A/R449A (kW) | | Superficie/ Surface ($m^2$) | Tube Volume/ Volumen Interno ($dm^3$) | Bobina Filas Coil Rows | N.W/ Peso Neto (kg) | Connection/ Conexión (ø mm) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | $t_e$ = -25ºC | $t_e$ = -31ºC | $t_e$ = -25ºC | $t_e$ = -31ºC | | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=7K | DT1=6K | DT1=7K | DT1=6K | | | | | | |
| HEB 5001 20 12D | 3.89 | 3.25 | 3.72 | 3.06 | 20.3 | 7.3 | | 86 | 12 | 28 |
| HEB 5001 31 12D | 5.46 | 4.60 | 5.35 | 4.40 | 30.5 | 11.0 | | 96 | 12 | 28 |
| HEB 5002 42 12D | 7.98 | 6.71 | 7.65 | 6.31 | 41.8 | 15.0 | | 151 | 15 | 42 |
| HEB 5002 63 12D | 11.27 | 9.42 | 10.71 | 8.87 | 62.6 | 22.5 | | 170 | 15 | 42 |
| HEB 5003 63 12D | 11.98 | 10.03 | 11.93 | 9.78 | 63.2 | 22.7 | | 216 | 15 | 54 |
| HEB 5003 95 12D | 16.93 | 14.31 | 16.69 | 13.75 | 94.8 | 34.1 | | 244 | 22 | 54 |
| HEB 5004 85 12D | 16.16 | 13.61 | 15.53 | 12.81 | 84.7 | 30.4 | | 281 | 22 | 54 |
| HEB 5004 127 12D | 21.49 | 17.60 | 22.49 | 18.56 | 127.0 | 45.7 | | 318 | 22 | 54 |
| HEB 5501 27 12D | 4.85 | 4.03 | 4.58 | 3.79 | 27.1 | 9.7 | 4 | 105 | 15 | 35 |
| HEB 5501 41 12D | 6.84 | 5.68 | 6.44 | 5.35 | 40.7 | 14.6 | 6 | 118 | 15 | 35 |
| HEB 5501 54 12D | 8.47 | 7.06 | 7.99 | 6.67 | 54.2 | 19.5 | 8 | 136 | 15 | 42 |
| HEB 5502 56 12D | 9.93 | 8.28 | 9.42 | 7.79 | 55.7 | 20.0 | 4 | 184 | 22 | 42 |
| HEB 5502 84 12D | 14.04 | 11.67 | 13.23 | 11.00 | 83.6 | 30.1 | 6 | 210 | 22 | 42 |
| HEB 5502 112 12D | 17.37 | 14.50 | 16.40 | 13.70 | 111.5 | 40.1 | 8 | 243 | 22 | 54 |
| HEB 5503 84 12D | 14.17 | 11.60 | 14.82 | 12.20 | 84.4 | 30.3 | 4 | 262 | 22 | 54 |
| HEB 5503 127 12D | 21.13 | 17.80 | 20.56 | 17.04 | 126.5 | 45.5 | 6 | 301 | 22 | 54 |
| HEB 5503 169 12D | 25.31 | 20.94 | 26.22 | 21.57 | 168.7 | 60.7 | 8 | 350 | 22 | 54 |
| HEB 5504 113 12D | 20.09 | 16.79 | 19.09 | 15.80 | 113.0 | 40.6 | 4 | 341 | 22 | 54 |
| HEB 5504 170 12D | 27.00 | 22.23 | 28.23 | 23.14 | 169.5 | 60.9 | 6 | 393 | 22 | 67 |
| HEB 5504 226 12D | 35.15 | 29.38 | 33.22 | 27.77 | 226.0 | 81.2 | 8 | 457 | 28 | 67 |
| HEB 6301 37 12D | 6.73 | 5.57 | 6.24 | 5.16 | 36.7 | 13.2 | 4 | 131 | 15 | 35 |
| HEB 6301 55 12D | 9.52 | 7.91 | 8.86 | 7.36 | 55.1 | 19.8 | 6 | 150 | 15 | 42 |
| HEB 6301 74 12D | 12.02 | 10.12 | 11.82 | 9.78 | 73.5 | 26.4 | 8 | 171 | 15 | 42 |
| HEB 6302 75 12D | 13.67 | 11.40 | 13.75 | 11.25 | 75.2 | 27.0 | 4 | 234 | 22 | 42 |
| HEB 6302 113 12D | 19.46 | 16.19 | 18.12 | 15.07 | 112.8 | 40.6 | 6 | 271 | 22 | 54 |
| HEB 6302 150 12D | 24.52 | 20.72 | 24.16 | 20.02 | 150.4 | 54.1 | 8 | 311 | 22 | 54 |
| HEB 6303 114 12D | 20.24 | 16.72 | 20.99 | 17.15 | 113.7 | 40.9 | 4 | 337 | 22 | 54 |
| HEB 6303 171 12D | 28.95 | 24.00 | 29.76 | 24.42 | 170.5 | 61.3 | 6 | 392 | 28 | 67 |
| HEB 6303 227 12D | 36.41 | 30.35 | 37.06 | 30.45 | 227.3 | 81.7 | 8 | 451 | 2×22 | 2×54 |
| HEB 6304 152 12D | 27.62 | 23.06 | 27.80 | 22.77 | 152.1 | 54.7 | 4 | 440 | 28 | 67 |
| HEB 6304 228 12D | 39.43 | 33.29 | 39.35 | 32.37 | 228.2 | 82.0 | 6 | 513 | 2×22 | 2×54 |
| HEB 6304 304 12D | 49.52 | 41.89 | 48.95 | 40.50 | 304.3 | 109.4 | 8 | 591 | 2×22 | 2×67 |
| HEB 8001 57 12D | 10.86 | 9.14 | 10.50 | 8.64 | 57.3 | 20.6 | 4 | 186 | 15 | 42 |
| HEB 8001 86 12D | 15.40 | 12.90 | 14.77 | 12.21 | 86.0 | 30.9 | 6 | 220 | 22 | 54 |
| HEB 8001 115 12D | 18.55 | 15.37 | 19.07 | 15.67 | 114.7 | 41.2 | 8 | 250 | 22 | 54 |
| HEB 8002 117 12D | 22.10 | 18.65 | 21.44 | 17.66 | 117.0 | 42.0 | 4 | 335 | 22 | 54 |
| HEB 8002 175 12D | 31.32 | 26.33 | 30.13 | 24.94 | 175.4 | 63.1 | 6 | 398 | 28 | 67 |
| HEB 8002 234 12D | 37.82 | 31.39 | 38.90 | 32.03 | 233.9 | 84.1 | 8 | 457 | 28 | 76 |
| HEB 8003 177 12D | 33.35 | 28.17 | 32.37 | 26.67 | 176.6 | 63.5 | 4 | 485 | 2×22 | 2×54 |
| HEB 8003 265 12D | 44.03 | 35.91 | 46.30 | 38.22 | 264.9 | 95.2 | 6 | 578 | 2×22 | 2×54 |
| HEB 8003 353 12D | 55.39 | 45.45 | 57.97 | 47.84 | 353.2 | 127.0 | 8 | 664 | 2×22 | 2×67 |

**FIN SPACING 12 mm, with electrical defrost. Rt>=-40ºC**
SEPARACIÓN ALETAS 12 mm, con desescarche eléctrico. Rt>=-40ºC

| 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) |
| HEB 5001 20 12D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 7404 | 17 | 3 × 1280 | 2 × 1280 | 6400 |
| HEB 5001 31 12D | 500 | 1 | 3 ~ 400 | 650 | 1.2 | 7044 | 16 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5002 42 12D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 14885 | 20 | 3 × 2320 | 2 × 2320 | 11600 |
| HEB 5002 63 12D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 14136 | 20 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5003 63 12D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 22356 | 24 | 3 × 3200 | 2 × 3200 | 16000 |
| HEB 5003 95 12D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 21228 | 24 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5004 85 12D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 29843 | 29 | 3 × 4260 | 2 × 4260 | 21300 |
| HEB 5004 127 12D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 28310 | 28 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5501 27 12D | 550 | 1 | 3 ~ 400 | 770 | 1.7 | 8480 | 15 | 4 × 1280 | 2 × 1280 | 7680 |
| HEB 5501 41 12D | 550 | 1 | 3 ~ 400 | 770 | 1.7 | 8168 | 16 | 5 × 1280 | 2 × 1280 | 8960 |
| HEB 5501 54 12D | 550 | 1 | 3 ~ 400 | 770 | 1.7 | 7894 | 14 | 7 × 1280 | 2 × 1280 | 11520 |
| HEB 5502 56 12D | 550 | 2 | 3 ~ 400 | 1540 | 3.3 | 17015 | 18 | 4 × 2320 | 2 × 2320 | 13920 |
| HEB 5502 84 12D | 550 | 2 | 3 ~ 400 | 1540 | 3.3 | 16411 | 19 | 5 × 2320 | 2 × 2320 | 16240 |
| HEB 5502 112 12D | 550 | 2 | 3 ~ 400 | 1540 | 3.3 | 15875 | 17 | 7 × 2320 | 2 × 2320 | 20880 |
| HEB 5503 84 12D | 550 | 3 | 3 ~ 400 | 2310 | 5.0 | 25532 | 22 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB 5503 127 12D | 550 | 3 | 3 ~ 400 | 2310 | 5.0 | 24647 | 22 | 5 × 3200 | 2 × 3200 | 22400 |
| HEB 5503 169 12D | 550 | 3 | 3 ~ 400 | 2310 | 5.0 | 23838 | 21 | 7 × 3200 | 2 × 3200 | 28800 |
| HEB 5504 113 12D | 550 | 4 | 3 ~ 400 | 3080 | 6.6 | 34082 | 26 | 4 × 4260 | 2 × 4260 | 25560 |
| HEB 5504 170 12D | 550 | 4 | 3 ~ 400 | 3080 | 6.6 | 32871 | 27 | 5 × 4260 | 2 × 4260 | 29820 |
| HEB 5504 226 12D | 550 | 4 | 3 ~ 400 | 3080 | 6.6 | 31832 | 25 | 7 × 4260 | 2 × 4260 | 38340 |
| HEB 6301 37 12D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 12329 | 20 | 4 × 1510 | 2 × 1510 | 9060 |
| HEB 6301 55 12D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 12015 | 20 | 6 × 1510 | 2 × 1510 | 12080 |
| HEB 6301 74 12D | 630 | 1 | 3 ~ 400 | 1100 | 2.2 | 11592 | 19 | 7 × 1510 | 2 × 1510 | 13590 |
| HEB 6302 75 12D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 24694 | 23 | 4 × 2740 | 2 × 2740 | 16440 |
| HEB 6302 113 12D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 24097 | 23 | 6 × 2740 | 2 × 2740 | 21920 |
| HEB 6302 150 12D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 23303 | 23 | 7 × 2740 | 2 × 2740 | 24660 |
| HEB 6303 114 12D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 37058 | 28 | 4 × 3800 | 2 × 3800 | 22800 |
| HEB 6303 171 12D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 36155 | 28 | 6 × 3800 | 2 × 3800 | 30400 |
| HEB 6303 227 12D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 35004 | 28 | 7 × 3800 | 2 × 3800 | 34200 |
| HEB 6304 152 12D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 49431 | 34 | 4 × 5060 | 2 × 5060 | 30360 |
| HEB 6304 228 12D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 48235 | 34 | 6 × 5060 | 2 × 5060 | 40480 |
| HEB 6304 304 12D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 46720 | 33 | 7 × 5060 | 2 × 5060 | 45540 |
| HEB 8001 57 12D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 20257 | 30 | 5 × 1700 | 2 × 1700 | 11900 |
| HEB 8001 86 12D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 19368 | 29 | 8 × 1700 | 2 × 1700 | 17000 |
| HEB 8001 115 12D | 800 | 1 | 3 ~ 400 | 1600 | 3.5 | 18496 | 27 | 10 × 1700 | 2 × 1700 | 20400 |
| HEB 8002 117 12D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 40626 | 36 | 5 × 2810 | 2 × 2810 | 19670 |
| HEB 8002 175 12D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 38901 | 35 | 8 × 2810 | 2 × 2810 | 28100 |
| HEB 8002 234 12D | 800 | 2 | 3 ~ 400 | 3200 | 7.0 | 37186 | 32 | 10 × 2810 | 2 × 2810 | 33720 |
| HEB 8003 177 12D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 60993 | 43 | 5 × 4420 | 2 × 4420 | 30940 |
| HEB 8003 265 12D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 58375 | 42 | 8 × 4420 | 2 × 4420 | 44200 |
| HEB 8003 353 12D | 800 | 3 | 3 ~ 400 | 4800 | 10.5 | 55861 | 38 | 10 × 4420 | 2 × 4420 | 53040 |

# INDUSTRIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS INDUSTRIAL



## AVAILABLE OPTIONS FOR HEB 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
- Silica gel heaters for fan nozzles
- Streamers: Air-guiding device for increased airthrow

**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
- NH3: see HEB N models

**Other options:**
- Double insulated drip tray (recommended for low temperature room applications)
- Thermal protector for defrosting electrical heaters

## OPCIONES DISPONIBLES PARA LA SERIE HEB:

**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
- Resistencias calefactoras para aro de ventiladores
- Streamers: Dispositivo de aire guiado para incrementar el tiro de aire.

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

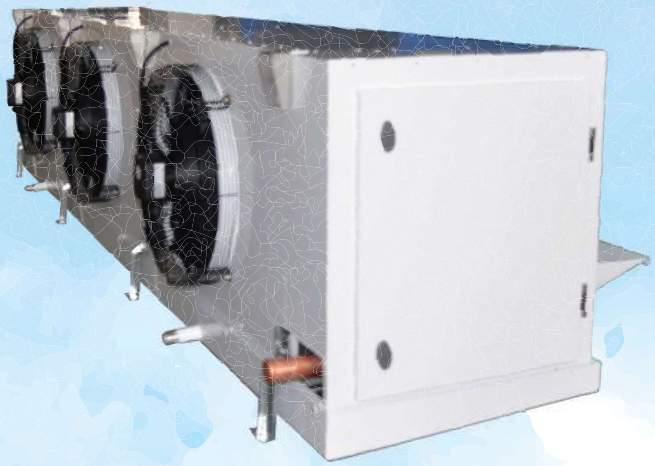
**Opciones refrigerantes:**
- HFC/HFO (A1): modelos estándar
- HFO/HFC (A2L): próximamente
- Glicol: disponibles, consultar a nuestro Departamento Técnico
- NH3: ver modelos HEB N

**Otras opciones:**
- Bandeja de goteo con doble aislamiento (recomendada en aplicaciones con cámaras de baja temperatura)
- Protector térmico para resistencias de desercarche



# CUBIC FRUIT EVAPORATORS
EVAPORADORES CÚBICOS DE FRUTAS





## CUBIC FRUIT EVAPORATORS
EVAPORADORES CÚBICOS DE FRUTAS

The HEB F range of cubic fruit evaporators has been designed for vegetable and fruit storage, working with a small D T to prevent dehydration of the product.

The exchange coils used in the HEB F range are built with a geometry of recognized high efficiency, with special profile aluminum fins and ø15 mm high quality copper tubes, with high heat transfer coefficient. They are supplied clean and tested under a pressure of 30 bar.

The HEB F range has models with 1 fin pitch:

- HEB F XXXX XX 7X: with 7 mm pitch, suitable for medium temperatures in the cold room(Rt >=-20ºC)

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

-350, 400, 450 mm: single-phase 230V/1/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40ºC to +40ºC.

-ø500, 630 mm: three-phase 400V/3/50 Hz with external rotor, with type K grid and nozzle (short mouth) . Operating temperature -40ºC to +40ºC.

## HEB F SERIES EVAPORATOR
## EVAPORADORES SERIE HEB F

La gama HEB F de evaporadores cúbicos de frutas ha sido diseñada para el almacenamiento de verduras y frutas, trabajando con un pequeño D Tº para evitar la deshidratación del producto.

Los serpentines de intercambio utilizados en la gama HEB F están construidos con una geometría de reconocida alta eficiencia, con aletas de aluminio de perfil especial y tubos de cobre de alta calidad de ø15 mm, con alto coeficiente de transferencia de calor. Se suministran limpios y probados a una presión de 30 bar.

La gama HEB F dispone de modelos con 1 solo paso de aleta:

- HEB F XXXX XX 7X: con un paso de 7 mm, apto para medias temperaturas en cámaras frigoríficas (Rt >=-20ºC)

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

-350, 400, 450 mm: monofásicos 230V/1/50 Hz con rotor externo, con rejilla tipo K y tobera (boca corta). Temperatura de funcionamiento -40ºC a +40ºC.

-ø500, 630 mm: trifásico 400V/3/50 Hz con rotor externo, con rejilla tipo K y tobera (boca corta).Temperatura de funcionamiento -40ºC a +40ºC.

-ø500, 630 mm: three-phase 400V/3/50 Hz with external rotor, with L-type grille and nozzle (long 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 drain pan 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.

-ø500, 630 mm: trifásico 400V/3/50 Hz con rotor externo, con rejilla tipo L y tobera (boca larga). Temperatura de funcionamiento -40ºC a +40ºC.

Carcasa de aluminio con recubrimiento de polvo blanco con alta resistencia a la corrosión e impactos.

En los modelos con desescarche eléctrico, se utilizan resistencias de acero inoxidable recubiertas por tubos de aluminio, ubicadas en el paquete de aletas y en la bandeja de drenaje para evitar problemas de vapor y facilitar el reemplazo.

Las partes eléctricas están conectadas a un terminal de tierra, dentro de una caja de conexiones con orificios de acceso equipada con recubrimiento de cable con protección IP65.

Para el uso en distintas aplicaciones a las de este catálogo, utilizar el software “Unit Selector Hybrid HISPANIA”.

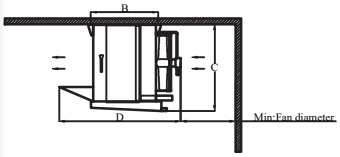
Para aplicaciones especiales e información adicional consultar con nuestro departamento de ingeniería.

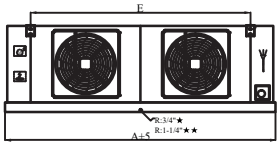
# HEB F G 4002 64 7D SS1 SS2 GF

- Fin materials (blank: aluminum, GF: golden fins) / Materiales de las aletas (en blanco: aluminio, GF: aletas doradas)
- Casing materials (blank: aluminum, SS2: stainless steel) / Materiales de la carcasa (en blanco: aluminio, SS2: acero inoxidable)
- Tube materials (blank: copper, SS1: stainless steel) / Materiales del tubo (en blanco: cobre, SS1: acero inoxidable)
- 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)
- Fin spacing (mm) / Espacio entre aletas
- Surface ($m^2$) / Superficie
- Fan number / Número de ventiladores
- Fan ø (mm) / Ventilador ø (mm)
- Refrigerant (blank: Freon, G: glycol)/ Refrigerante (blanco: Freon, G: glicol)
- Series / Serie

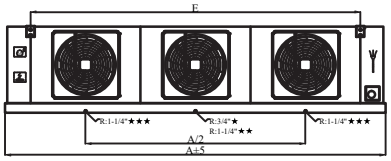
# CUBIC FRUIT EVAPORATORS
## EVAPORADORES CÚBICOS DE FRUTAS



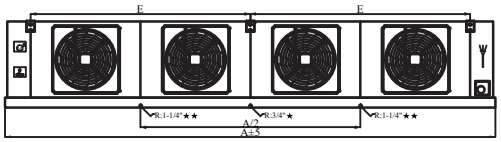


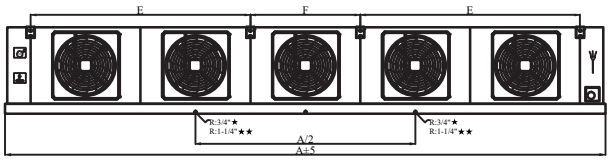

HEB F/D
3502★
4002/4502/5002/6302 ★★



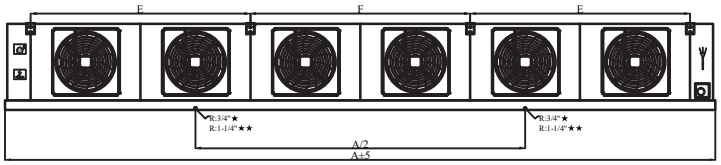

HEB F/D
3503★
4003★★
4503/5003/6303 ★★★



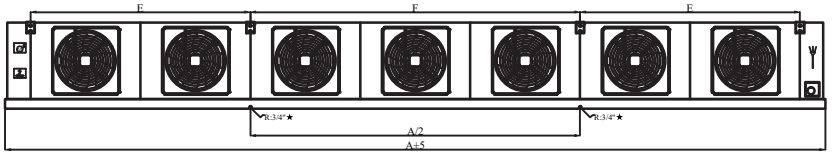

HEB F/D
3504★
4004/4504/5004/6304 ★★



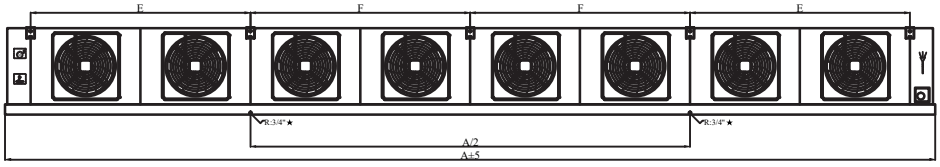

HEB F/D
3505★
4005/4505/5005/6305 ★★




HEB F/D
3506★
4006/4506/5006 ★★




HEB F/D 3507★




HEB F/D 3508★

| Model / Model | Dimensions / Dimensiones (mm) | | | | | |
|---|---|---|---|---|---|---|
| | A | B | C | D | E | F |
| HEB F 3502... | 1520 | 570 | 500 | 965 | 1200 | |
| HEB F 3503... | 2120 | 570 | 500 | 965 | 1800 | |
| HEB F 3504... | 2720 | 570 | 500 | 965 | 1200 | |
| HEB F 3505... | 3320 | 570 | 500 | 965 | 1200 | 600 |
| HEB F 3506... | 3920 | 570 | 500 | 965 | 1200 | 1200 |
| HEB F 3507... | 4520 | 570 | 500 | 965 | 1200 | 1800 |
| HEB F 3508... | 5120 | 570 | 500 | 965 | 1200 | 1200 |
| HEB F 4002... | 1820 | 570 | 600 | 955 | 1500 | |
| HEB F 4003... | 2570 | 570 | 600 | 955 | 2250 | |
| HEB F 4004... | 3320 | 570 | 600 | 955 | 1500 | |
| HEB F 4005... | 4070 | 570 | 600 | 955 | 1500 | 750 |
| HEB F 4006... | 4820 | 570 | 600 | 955 | 1500 | 1500 |
| HEB F 4502... | 2300 | 615 | 700 | 1025 | 1900 | |
| HEB F 4503... | 3250 | 615 | 700 | 1025 | 2850 | |
| HEB F 4504... | 4200 | 615 | 700 | 1025 | 1900 | |
| HEB F 4505... | 5150 | 615 | 700 | 1025 | 1900 | 950 |
| HEB F 4506... | 6100 | 615 | 700 | 1025 | 1900 | 1900 |
| HEB F 5002... | 2460 | 645 | 800 | 1135 | 2000 | |
| HEB F 5003... | 3460 | 645 | 800 | 1135 | 3000 | |
| HEB F 5004... | 4460 | 645 | 800 | 1135 | 2000 | |
| HEB F 5005... | 5460 | 645 | 800 | 1135 | 2000 | 1000 |
| HEB F 5006... | 6460 | 645 | 800 | 1135 | 2000 | 2000 |
| HEB F 6302... | 2860 | 705 | 900 | 1215 | 2400 | |
| HEB F 6303... | 4060 | 705 | 900 | 1215 | 3600 | |
| HEB F 6304... | 5260 | 705 | 900 | 1215 | 2400 | |
| HEB F 6305... | 6460 | 705 | 900 | 1215 | 2400 | 1200 |

# CUBIC FRUIT EVAPORATORS
## EVAPORADORES CÚBICOS DE FRUTAS



**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -3ºC | $t_e$= -8ºC | $t_e$= -3ºC | $t_e$= -8ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=5K | DT1=8K | DT1=5K | DT1=8K | | | | | |
| HEB F 3502 41 7D | 3.65 | 6.66 | 3.25 | 6.75 | 40.9 | 9.0 | 62 | 12 | 28 |
| HEB F 3503 61 7D | 5.66 | 9.98 | 5.20 | 10.19 | 61.4 | 13.5 | 88 | 22 | 35 |
| HEB F 3504 82 7D | 7.41 | 13.40 | 6.60 | 13.56 | 81.9 | 18.0 | 115 | 22 | 35 |
| HEB F 3505 102 7D | 9.55 | 16.52 | 9.14 | 17.02 | 102.4 | 22.5 | 141 | 22 | 35 |
| HEB F 3506 123 7D | 11.42 | 20.07 | 10.53 | 20.47 | 122.8 | 27.0 | 167 | 22 | 42 |
| HEB F 3507 143 7D | 12.35 | 23.41 | 11.07 | 23.47 | 143.3 | 31.5 | 194 | 22 | 54 |
| HEB F 3508 164 7D | 14.95 | 26.89 | 13.31 | 27.17 | 163.8 | 36.0 | 221 | 28 | 54 |
| HEB F 4002 64 7D | 5.35 | 10.05 | 4.76 | 10.12 | 64.0 | 14.1 | 84 | 22 | 35 |
| HEB F 4003 96 7D | 8.58 | 15.03 | 7.97 | 15.37 | 96.0 | 21.1 | 120 | 22 | 35 |
| HEB F 4004 128 7D | 10.83 | 20.19 | 9.64 | 20.30 | 128.0 | 28.1 | 158 | 22 | 54 |
| HEB F 4005 160 7D | 14.39 | 25.15 | 13.37 | 25.69 | 160.0 | 35.1 | 195 | 28 | 54 |
| HEB F 4006 192 7D | 16.31 | 30.32 | 14.52 | 30.48 | 191.9 | 42.2 | 232 | 28 | 67 |
| HEB F 4502 97 7D | 8.78 | 15.37 | 8.20 | 15.76 | 97.3 | 21.4 | 123 | 22 | 35 |
| HEB F 4503 146 7D | 13.24 | 23.16 | 12.38 | 23.71 | 145.9 | 32.0 | 178 | 22 | 42 |
| HEB F 4504 195 7D | 17.70 | 30.94 | 16.56 | 31.66 | 194.5 | 42.7 | 234 | 28 | 54 |
| HEB F 4505 243 7D | 21.41 | 38.97 | 19.06 | 39.32 | 243.1 | 53.4 | 290 | 28 | 67 |
| HEB F 4506 292 7D | 26.63 | 46.51 | 24.92 | 47.56 | 291.8 | 64.1 | 350 | 28 | 67 |
| HEB F 5002 119 7D | 28.77 | 19.83 | 29.77 | 20.50 | 119.4 | 26.2 | 163 | 22 | 42 |
| HEB F 5003 179 7D | 44.21 | 30.38 | 44.71 | 30.63 | 179.2 | 39.3 | 237 | 28 | 54 |
| HEB F 5004 239 7D | 57.96 | 39.95 | 59.85 | 41.22 | 238.9 | 52.5 | 310 | 28 | 54 |
| HEB F 5005 299 7D | 73.78 | 50.76 | 75.05 | 51.52 | 298.6 | 65.6 | 384 | 28 | 67 |
| HEB F 5006 358 7D | 87.14 | 60.07 | 89.93 | 61.94 | 358.3 | 78.7 | 461 | 28 | 67 |
| HEB F 6302 164 7D | 43.50 | 29.94 | 44.32 | 30.43 | 163.8 | 36.0 | 238 | 28 | 54 |
| HEB F 6303 246 7D | 64.88 | 44.73 | 66.69 | 45.90 | 245.7 | 54.0 | 347 | 28 | 67 |
| HEB F 6304 328 7D | 87.33 | 60.13 | 88.88 | 61.03 | 327.6 | 72.0 | 456 | 28 | 76 |
| HEB F 6305 410 7D | 106.82 | 73.73 | 110.75 | 76.40 | 409.5 | 89.9 | 568 | 35 | 76 |

**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) |
| HEB F 3502 41 7D | 350 | 2 | 1 ~ 230 | 300 | 1.3 | 4397 | 11 | 3 × 1510 | 2 × 1510 | 7550 |
| HEB F 3503 61 7D | 350 | 3 | 1 ~ 230 | 450 | 2.0 | 6593 | 13 | 3 × 1700 | 2 × 1700 | 8500 |
| HEB F 3504 82 7D | 350 | 4 | 1 ~ 230 | 600 | 2.6 | 8793 | 15 | 3 × 2000 | 2 × 2000 | 10000 |
| HEB F 3505 102 7D | 350 | 5 | 1 ~ 230 | 750 | 3.3 | 10985 | 18 | 3 × 3200 | 2 × 3200 | 16000 |
| HEB F 3506 123 7D | 350 | 6 | 1 ~ 230 | 900 | 3.9 | 13186 | 22 | 3 × 3800 | 2 × 3800 | 19000 |
| HEB F 3507 143 7D | 350 | 7 | 1 ~ 230 | 1050 | 4.6 | 15394 | 27 | 3 × 4420 | 2 × 4420 | 22100 |
| HEB F 3508 164 7D | 350 | 8 | 1 ~ 230 | 1200 | 5.2 | 17586 | 32 | 3 × 5060 | 2 × 5060 | 25300 |
| HEB F 4002 64 7D | 400 | 2 | 1 ~ 230 | 480 | 2.1 | 6354 | 11 | 4 × 1800 | 2 × 1800 | 10800 |
| HEB F 4003 96 7D | 400 | 3 | 1 ~ 230 | 720 | 3.2 | 9526 | 14 | 4 × 1980 | 2 × 1980 | 11880 |
| HEB F 4004 128 7D | 400 | 4 | 1 ~ 230 | 960 | 4.2 | 12706 | 16 | 4 × 3200 | 2 × 3200 | 19200 |
| HEB F 4005 160 7D | 400 | 5 | 1 ~ 230 | 1200 | 5.3 | 15876 | 18 | 4 × 3800 | 2 × 3800 | 22800 |
| HEB F 4006 192 7D | 400 | 6 | 1 ~ 230 | 1440 | 6.3 | 19059 | 23 | 4 × 4800 | 2 × 4800 | 28800 |
| HEB F 4502 97 7D | 450 | 2 | 1 ~ 230 | 780 | 3.6 | 9922 | 12 | 5 × 1600 | 2 × 1600 | 11200 |
| HEB F 4503 146 7D | 450 | 3 | 1 ~ 230 | 1170 | 5.4 | 14882 | 14 | 5 × 2810 | 2 × 2810 | 19670 |
| HEB F 4504 195 7D | 450 | 4 | 1 ~ 230 | 1560 | 7.2 | 19843 | 17 | 5 × 3800 | 2 × 3800 | 26600 |
| HEB F 4505 243 7D | 450 | 5 | 1 ~ 230 | 1950 | 9.0 | 24811 | 21 | 5 × 4800 | 2 × 4800 | 33600 |
| HEB F 4506 292 7D | 450 | 6 | 1 ~ 230 | 2340 | 10.8 | 29763 | 25 | 6 × 5000 | 2 × 5000 | 40000 |
| HEB F 5002 119 7D | 500 | 2 | 3 ~ 400 | 1300 | 2.3 | 13851 | 17 | 5 × 2320 | 2 × 2320 | 16240 |
| HEB F 5003 179 7D | 500 | 3 | 3 ~ 400 | 1950 | 3.5 | 20785 | 20 | 5 × 3200 | 2 × 3200 | 22400 |
| HEB F 5004 239 7D | 500 | 4 | 3 ~ 400 | 2600 | 4.6 | 27701 | 24 | 5 × 4260 | 2 × 4260 | 29820 |
| HEB F 5005 299 7D | 500 | 5 | 3 ~ 400 | 3250 | 5.8 | 34635 | 29 | 5 × 5000 | 2 × 5000 | 35000 |
| HEB F 5006 358 7D | 500 | 6 | 3 ~ 400 | 3900 | 6.9 | 41551 | 34 | 6 × 5000 | 2 × 5000 | 40000 |
| HEB F 6302 164 7D | 630 | 2 | 3 ~ 400 | 2200 | 4.4 | 22632 | 25 | 6 × 2000 | 2 × 2000 | 16000 |
| HEB F 6303 246 7D | 630 | 3 | 3 ~ 400 | 3300 | 6.6 | 33938 | 30 | 6 × 3800 | 2 × 3800 | 30400 |
| HEB F 6304 328 7D | 630 | 4 | 3 ~ 400 | 4400 | 8.8 | 45263 | 36 | 6 × 5060 | 2 × 5060 | 40480 |
| HEB F 6305 410 7D | 630 | 5 | 3 ~ 400 | 5500 | 11.0 | 56551 | 43 | 7 × 5000 | 2 × 5000 | 45000 |

# CUBIC FRUIT EVAPORATORS
EVAPORADORES CÚBICOS DE FRUTAS



## AVAILABLE OPTIONS FOR HEB 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
- Silica gel heaters for fan nozzles
- Streamers: Air-guiding device for increased airthrow

**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:**
- Double insulated drip tray (recommended for low temperature room applications)
- Thermal protector for defrosting electrical heaters

## OPCIONES DISPONIBLES PARA LA SERIE HEB:

**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
- Resistencias calefactoras para aro de ventiladores
- Streamers: Dispositivo de aire guiado para incrementar el tiro de aire.

**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:**
- Bandeja de goteo con doble aislamiento (recomendada en aplicaciones con cámaras de baja temperatura)
- Protector térmico para resistencias de desercarche