

Evaporadores Comerciales serie HEB HEB Commercial series Evaporator



Modelo lasificación / Model classification:
HEB 5001 53 4.5D

- Sistema de Desescarche / Defrost System
- Espacio entre aletas / Fin Spacing (mm)
- Superficie / Surface (m²)
- Ventilador / Fan Φ (mm) * N°
- serie / series

Características generales:

Nuestros paquetes aleteados de alta eficiencia están fabricados con aletas de aluminio de perfil especial y tubo de cobre de $\Phi 15$ mm de alta calidad. Los intercambiadores de calor se suministran limpios en el interior de las tuberías y probados a una presión de 30 bars.

La Carcasa:

De aluminio pintado blanco al polvo electrostático, con alta resistencia contra la corrosión y los impactos. No produce residuos tóxicos.

Los Ventiladores:

Todos con motor axial de rotor externo con alto estándar de seguridad y adaptados a la carcasa con un sistema anti-vibración.

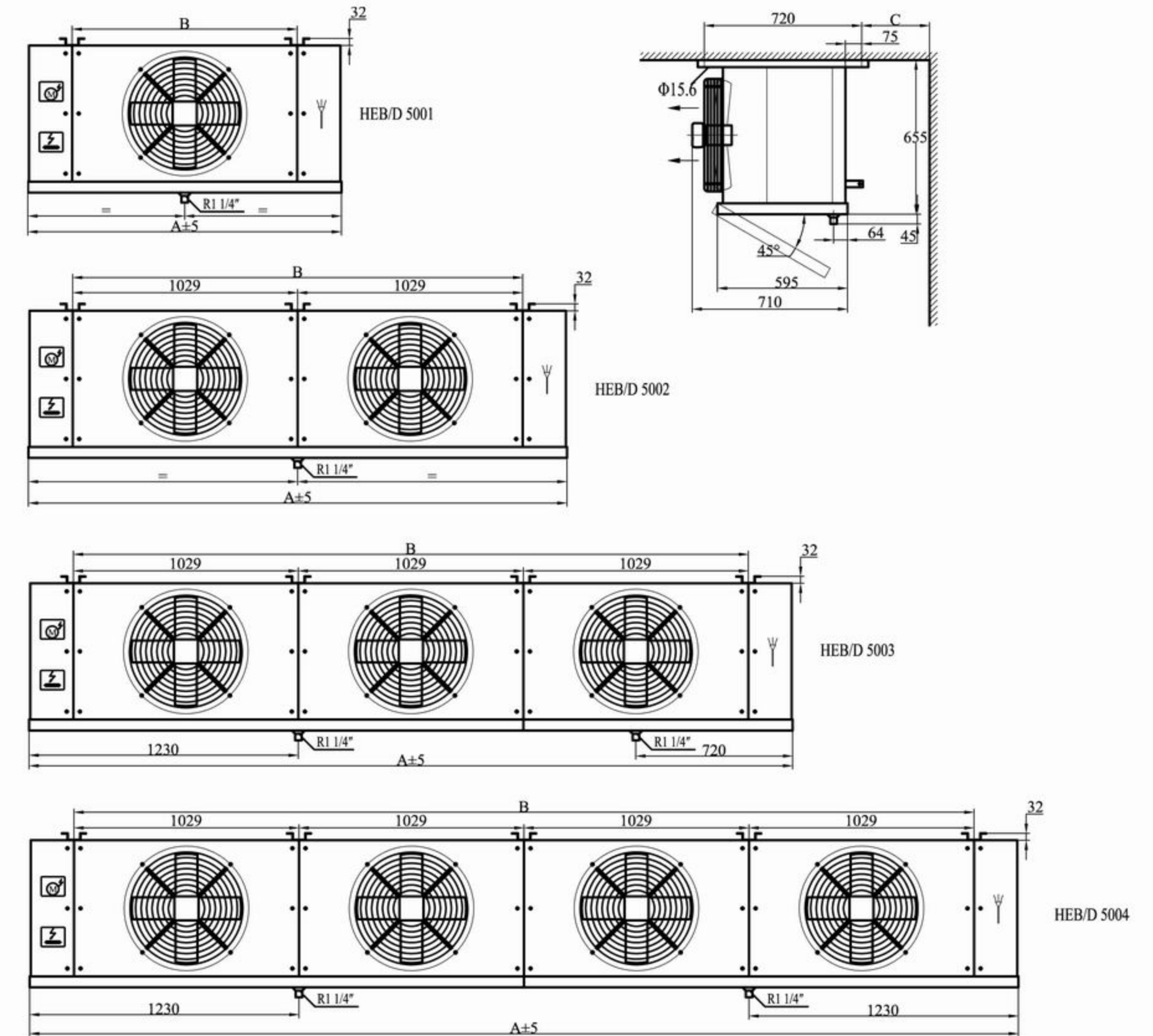
Sistema de Desescarche:

Proporcionado por resistencias de acero inoxidable enfundadas en tubos de aluminio localizados en el paquete aleteado y en la bandeja de desagüe.

Instalación y Partes Eléctricas:

Conexión a toma de tierra, instalada en caja de conexiones con agujeros de acceso equipados con sistema de estanqueidad. Todo el material seleccionado cuidadosamente para su fiabilidad a largo plazo.

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General features:

The high efficient coils are made from high quality copper tube $\Phi 15$ mm and special profile aluminium fins. Heat exchangers are supplied clean and tested under a pressure of 30 bars.

The casing:

White powder coated aluminium, high corrosion strength, impact resistance, and does not produce polluting debris.

The fan motors:

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

Defrost heating:

Provided by stainless steel heater elements covered by the aluminium tubes, located in the finned pack and in the drain pan.

Electrical parts and wiring:

Are connected to an earth terminal, carried out in junction box with access holes equipped with water-proof cable glands. All materials are selected carefully for long-term reliability.

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Espacio entre aletas / Fin spacing 4.5 mm, con resistencia / with heater, $Rt \geq 0^\circ\text{C}$

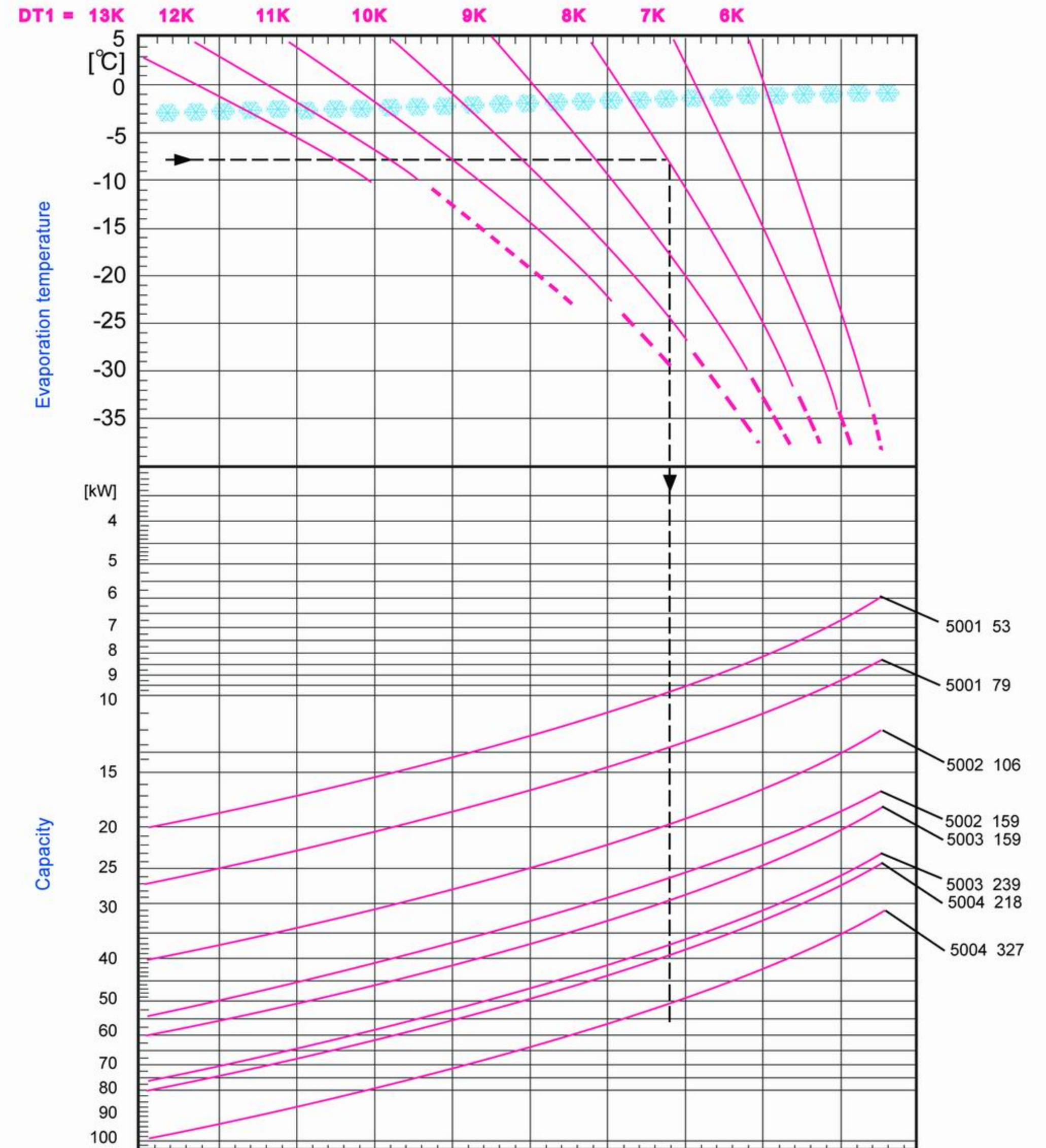
| Modelo Model | Capacidad Capacity R404A/R507A (kW) | | Superficie Surface (m ²) | Volumen interno Tube Volume (dm ³) | Dimensiones Dimensions (mm) | | | Peso Neto N. W. (kg) | Conexión Connection (Φ mm) | |
|-------------------|---|------------------------|--|--|-----------------------------------|------|-----|-------------------------------|----------------------------------|------------------|
| | t _e = -8°C | t _e = -25°C | | | A | B | C | | Entrada Inlet | Salida Outlet |
| | DT1=8K | DT1=7K | | | | | | | | |
| HEB 5001 53 4.5D | 9.98 | 7.12 | 53 | 9.2 | 1434 | 1029 | 300 | 77 | 12 | 28 |
| HEB 5001 79 4.5D | 12.4 | 9.1 | 79 | 12.3 | 1434 | 1029 | 300 | 94 | 12 | 28 |
| HEB 5002 106 4.5D | 19.95 | 14.24 | 106 | 18.5 | 2463 | 2058 | 400 | 138 | 15 | 42 |
| HEB 5002 159 4.5D | 24.79 | 18.2 | 159 | 26.1 | 2463 | 2058 | 400 | 171 | 15 | 42 |
| HEB 5003 159 4.5D | 29.93 | 21.35 | 159 | 27.6 | 3492 | 3087 | 450 | 201 | 22 | 54 |
| HEB 5003 239 4.5D | 37.91 | 27.05 | 239 | 39.2 | 3492 | 3087 | 450 | 294 | 22 | 54 |
| HEB 5004 218 4.5D | 39.91 | 28.47 | 218 | 36 | 4522 | 4116 | 490 | 263 | 22 | 54 |
| HEB 5004 327 4.5D | 50.55 | 36.07 | 327 | 54 | 4522 | 4116 | 490 | 395 | 22 | 54 |

Marca: Modelo opcional sin el calentador disponible. / Mark: Optional model without heater available.

Datos eléctricos / Electric data

| Modelo Model | Ventilador con Motor Axial Axial Fans | | | | | | | Desescarche Eléctrico Electric Defrost | | |
|-------------------|--|----|------------------------------------|--------------------------|------------------------------|---|-----------------------------|---|-----------------------------|-----------------------|
| | Diámetro Diameter (Φ mm) | Nº | Voltaje Voltage (V, 50/60Hz) | Potencia Power (W) | Intensidad Current (A) | Volumen de Aire Air Flow (m ³ /h) | Tiro Air Throw (m) | Aletas Coil (W) | Desagüe Drain Pan (W) | Total Total (W) |
| HEB 5001 53 4.5D | 500 | 1 | 3 ~ 380/220 | 450/680 | 1.15/2.20 | 6400 | 16 | 3 x 1280 | 2 x 1280 | 6400 |
| HEB 5001 79 4.5D | 500 | 1 | 3 ~ 380/220 | 450/680 | 1.15/2.20 | 6200 | 15 | 4 x 1280 | 2 x 1280 | 7680 |
| HEB 5002 106 4.5D | 500 | 2 | 3 ~ 380/220 | 900/1360 | 2.30/4.40 | 12800 | 18 | 3 x 2320 | 2 x 2320 | 11600 |
| HEB 5002 159 4.5D | 500 | 2 | 3 ~ 380/220 | 900/1360 | 2.30/4.40 | 12400 | 17 | 4 x 2320 | 2 x 2320 | 13920 |
| HEB 5003 159 4.5D | 500 | 3 | 3 ~ 380/220 | 1350/2040 | 3.45/6.60 | 19200 | 20 | 3 x 3200 | 2 x 3200 | 16000 |
| HEB 5003 239 4.5D | 500 | 3 | 3 ~ 380/220 | 1350/2040 | 3.45/6.60 | 18600 | 19 | 4 x 3200 | 2 x 3200 | 19200 |
| HEB 5004 218 4.5D | 500 | 4 | 3 ~ 380/220 | 1800/2720 | 4.60/8.80 | 25600 | 22 | 6 x 2130 | 4 x 2130 | 21300 |
| HEB 5004 327 4.5D | 500 | 4 | 3 ~ 380/220 | 1800/2720 | 4.60/8.80 | 24800 | 21 | 8 x 2130 | 4 x 2130 | 25560 |

Selection Diagram HEB Commercial 4.5/D Series



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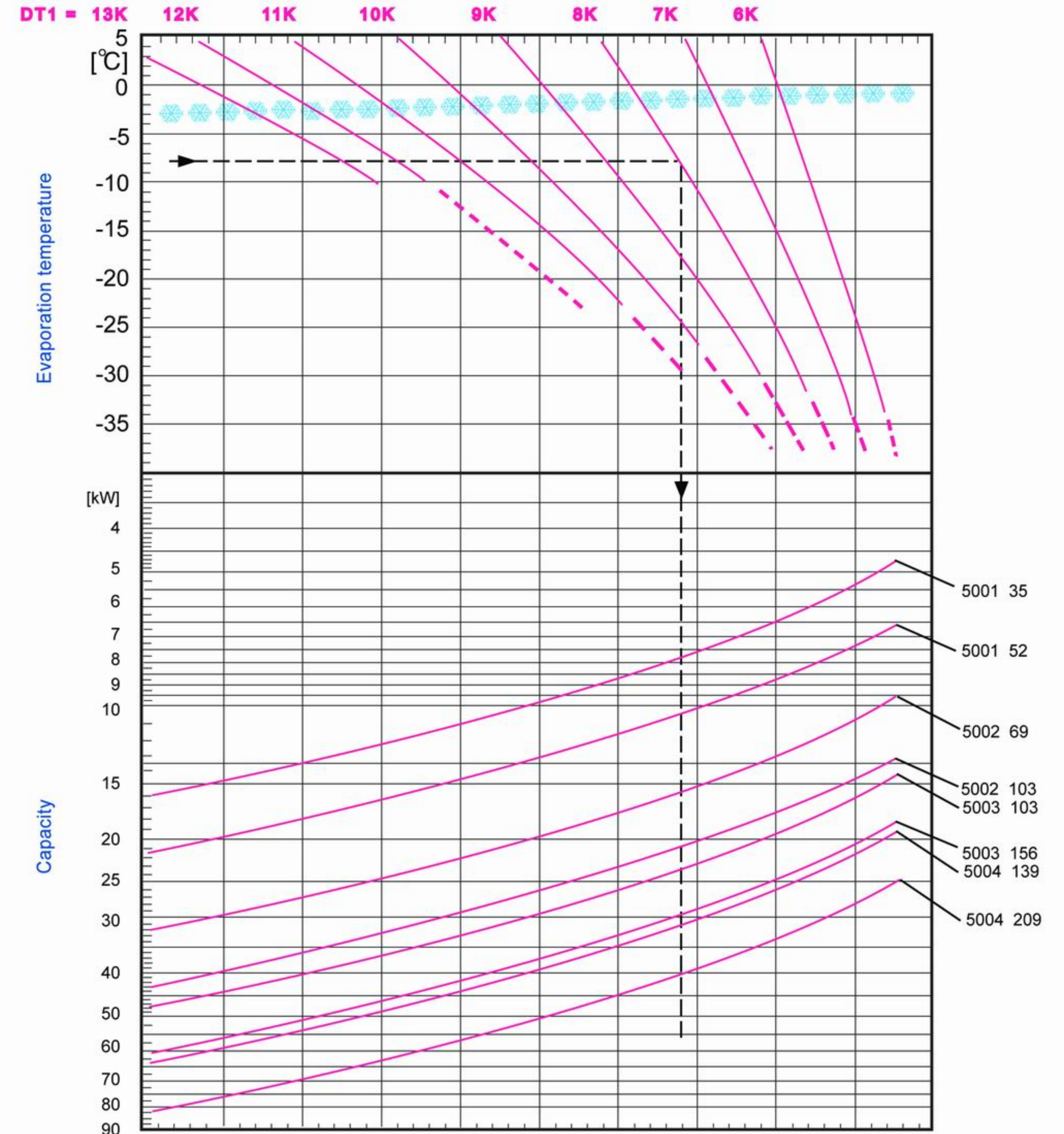
Espacio entre aletas / Fin spacing 7 mm, con resistencia / with heater, $Rt \geq -18^\circ\text{C}$

| Modelo Model | Capacidad Capacity R404A/R507A (kw) | | Superficie Surface (m ²) | Volumen interno Tube Volume (dm ³) | Dimensiones Dimensions (mm) | | | Peso Neto N.W. (kg) | Conexión Connection (Φ mm) | |
|-----------------|---|---------------------------|--|--|-----------------------------------|------|-----|------------------------------|----------------------------------|------------------|
| | $t_e = -8^\circ\text{C}$ | $t_e = -25^\circ\text{C}$ | | | A | B | C | | Entrada Inlet | Salida Outlet |
| | DT1=8K | DT1=7K | | | | | | | | |
| HEB 5001 35 7D | 7.9 | 5.83 | 35 | 9.2 | 1434 | 1029 | 300 | 70 | 12 | 28 |
| HEB 5001 52 7D | 10.24 | 7.68 | 52 | 12.3 | 1434 | 1029 | 300 | 83 | 12 | 28 |
| HEB 5002 69 7D | 15.81 | 11.67 | 69 | 18.5 | 2463 | 2058 | 400 | 124 | 15 | 42 |
| HEB 5002 103 7D | 20.48 | 15.38 | 103 | 26.1 | 2463 | 2058 | 400 | 150 | 15 | 42 |
| HEB 5003 103 7D | 23.7 | 17.5 | 103 | 27.6 | 3492 | 3087 | 450 | 180 | 22 | 54 |
| HEB 5003 156 7D | 30.02 | 22.16 | 156 | 39.2 | 3492 | 3087 | 450 | 218 | 22 | 54 |
| HEB 5004 139 7D | 31.61 | 23.33 | 139 | 36 | 4522 | 4116 | 490 | 235 | 22 | 54 |
| HEB 5004 209 7D | 40.04 | 29.55 | 209 | 54 | 4522 | 4116 | 490 | 353 | 22 | 54 |

Datos eléctricos / Electric data

| Modelo Model | Ventilador con Motor Axial Axial Fans | | | | | | | Desescarche Eléctrico Electric Defrost | | |
|-----------------|--|----|------------------------------------|--------------------------|------------------------------|---|-----------------------------|---|-----------------------------|-----------------------|
| | Diámetro Diameter (Φ mm) | Nº | Voltaje Voltage (V, 50/60Hz) | Potencia Power (W) | Intensidad Current (A) | Volumen de Aire Air Flow (m ³ /h) | Tiro Air Throw (m) | Aletas Coil (W) | Desagüe Drain Pan (W) | Total Total (W) |
| HEB 5001 35 7D | 500 | 1 | 3 ~ 380/220 | 450/680 | 1.15/2.20 | 6600 | 17 | 3 x 1280 | 2 x 1280 | 6400 |
| HEB 5001 52 7D | 500 | 1 | 3 ~ 380/220 | 450/680 | 1.15/2.20 | 6400 | 16 | 4 x 1280 | 2 x 1280 | 7680 |
| HEB 5002 69 7D | 500 | 2 | 3 ~ 380/220 | 900/1360 | 2.30/4.40 | 13200 | 19 | 3 x 2320 | 2 x 2320 | 11600 |
| HEB 5002 103 7D | 500 | 2 | 3 ~ 380/220 | 900/1360 | 2.30/4.40 | 12800 | 18 | 4 x 2320 | 2 x 2320 | 13920 |
| HEB 5003 103 7D | 500 | 3 | 3 ~ 380/220 | 1350/2040 | 3.45/6.60 | 19800 | 21 | 3 x 3200 | 2 x 3200 | 16000 |
| HEB 5003 156 7D | 500 | 3 | 3 ~ 380/220 | 1350/2040 | 3.45/6.60 | 19200 | 20 | 4 x 3200 | 2 x 3200 | 19200 |
| HEB 5004 139 7D | 500 | 4 | 3 ~ 380/220 | 1800/2720 | 4.60/8.80 | 26400 | 23 | 6 x 2130 | 4 x 2130 | 21300 |
| HEB 5004 209 7D | 500 | 4 | 3 ~ 380/220 | 1800/2720 | 4.60/8.80 | 25600 | 22 | 8 x 2130 | 4 x 2130 | 25560 |

Selection Diagram HEB Commercial 7/D Series



Evaporadores comerciales serie HEB HEB Commercial series Evaporator

Espacio entre aletas / Fin spacing 10 mm, con resistencia / with heater, $R_t \leq -25^\circ\text{C}$

| Modelo Model | Capacidad Capacity R404A/R507A (kw) | | Superficie Surface (m ²) | Volumen interno Tube Volume (dm ³) | Dimensiones Dimensions (mm) | | | Peso Neto N.W. (kg) | Conexión Connection (Φ mm) | |
|------------------|---|------------------------|--|--|-----------------------------------|------|-----|------------------------------|----------------------------------|------------------|
| | t _c = -8°C | t _c = -25°C | | | A | B | C | | Entrada Inlet | Salida Outlet |
| | DT1=8K | DT1=7K | | | | | | | | |
| HEB 5001 25 10D | 6.35 | 4.78 | 25 | 9.2 | 1434 | 1029 | 300 | 67 | 12 | 28 |
| HEB 5001 37 10D | 8.48 | 6.46 | 37 | 12.3 | 1434 | 1029 | 300 | 78 | 12 | 28 |
| HEB 5002 49 10D | 12.69 | 9.56 | 49 | 18.5 | 2463 | 2058 | 400 | 116 | 15 | 42 |
| HEB 5002 75 10D | 16.95 | 12.92 | 75 | 26.1 | 2463 | 2058 | 400 | 139 | 15 | 42 |
| HEB 5003 75 10D | 19.04 | 14.34 | 75 | 27.6 | 3492 | 3087 | 450 | 167 | 22 | 54 |
| HEB 5003 111 10D | 24.12 | 18.17 | 111 | 39.2 | 3492 | 3087 | 450 | 201 | 22 | 54 |
| HEB 5004 98 10D | 25.39 | 19.13 | 98 | 36 | 4522 | 4116 | 490 | 217 | 22 | 54 |
| HEB 5004 147 10D | 32.17 | 24.24 | 147 | 54 | 4522 | 4116 | 490 | 326 | 22 | 54 |

Datos eléctricos / Electric data

| Modelo Model | Ventilador con Motor Axial Axial Fans | | | | | | | Desescarche Eléctrico Electric Defrost | | |
|------------------|--|----|------------------------------------|--------------------------|------------------------------|---|-----------------------------|---|-----------------------------|-----------------------|
| | Diámetro Diameter (Φ mm) | Nº | Voltaje Voltage (V, 50/60Hz) | Potencia Power (W) | Intensidad Current (A) | Volumen de Aire Air Flow (m ³ /h) | Tiro Air Throw (m) | Aletas Coil (W) | Desagüe Drain Pan (W) | Total Total (W) |
| HEB 5001 25 10D | 500 | 1 | 3 ~ 380/220 | 450/680 | 1.15/2.20 | 6800 | 18 | 3 x 1280 | 2 x 1280 | 6400 |
| HEB 5001 37 10D | 500 | 1 | 3 ~ 380/220 | 450/680 | 1.15/2.20 | 6600 | 17 | 4 x 1280 | 2 x 1280 | 7680 |
| HEB 5002 49 10D | 500 | 2 | 3 ~ 380/220 | 900/1360 | 2.30/4.40 | 13600 | 20 | 3 x 2320 | 2 x 2320 | 11600 |
| HEB 5002 75 10D | 500 | 2 | 3 ~ 380/220 | 900/1360 | 2.30/4.40 | 13200 | 19 | 4 x 2320 | 2 x 2320 | 13920 |
| HEB 5003 75 10D | 500 | 3 | 3 ~ 380/220 | 1350/2040 | 3.45/6.60 | 20400 | 22 | 3 x 3200 | 2 x 3200 | 16000 |
| HEB 5003 111 10D | 500 | 3 | 3 ~ 380/220 | 1350/2040 | 3.45/6.60 | 19800 | 21 | 4 x 3200 | 2 x 3200 | 19200 |
| HEB 5004 98 10D | 500 | 4 | 3 ~ 380/220 | 1800/2720 | 4.60/8.80 | 27200 | 24 | 6 x 2130 | 4 x 2130 | 21300 |
| HEB 5004 147 10D | 500 | 4 | 3 ~ 380/220 | 1800/2720 | 4.60/8.80 | 26400 | 23 | 8 x 2130 | 4 x 2130 | 25560 |

Selection Diagram HEB Commercial 10/D Series

