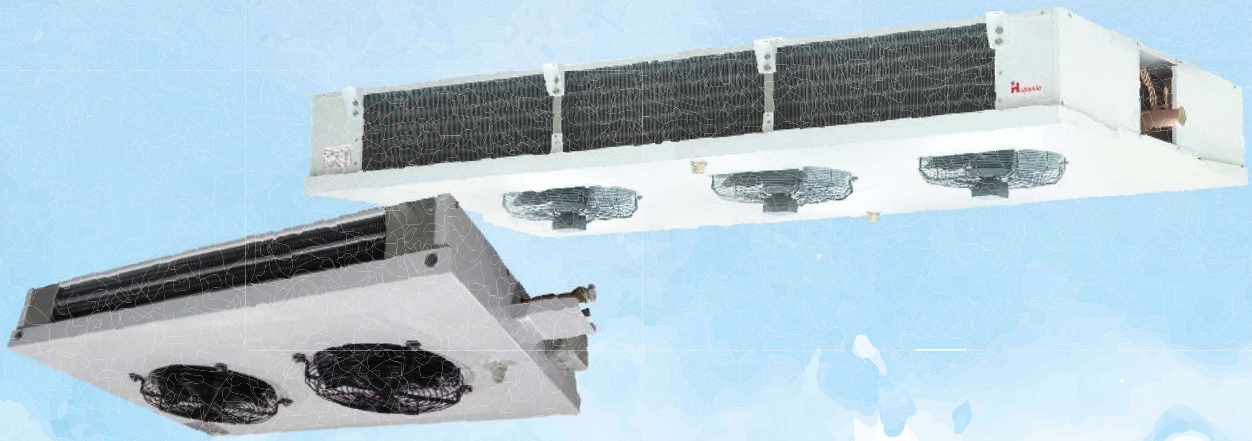
# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO





## DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
## EVAPORADORES TIPO TECHO

The HED range of compact-ceiling air type evaporators has been designed for use in low/medium height cold rooms for the preservation of fresh and frozen products and processing rooms as well.

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

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

For high temp. in the cold/processing room:
- HED 25XX XX 4.5X: with 4.5 mm pitch (Rt >=0ºC)
- HED 35XX XX 4X and above: with 4 mm pitch (Rt >=0ºC)

For medium temperatures in the cold room:
- HED 35XX XX 6X: with 6 mm pitch (Rt >=-18ºC)
- HED 40XX XX 7X and above: with 7 mm pitch (Rt >=-20ºC)

For low temperatures in the cold room:
- HED Plus 40XX XX 9X and above: with 9 mm pitch (Rt >=-35ºC)
- HED 40XX XX 10X and above: with 10 mm pitch (Rt >=-35ºC)

## HED SERIES EVAPORATOR
## EVAPORADORES SERIE HED

La gama de evaporadores tipo techo HED ha sido diseñada para su uso en cámaras frigoríficas de poca/media altura para conservación de productos frescos y congelados, así como salas de trabajo.

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

La gama HED dispone de modelos con diferentes pasos de aleta según la temperatura de la cámara/sala de trabajo:

Para altas temperaturas de cámara/sala:
- HED 25XX XX 4.5X: separación de 4,5 mm (Rt >=0ºC)
- HED 35XX XX 4X y mayores: separación de 4 mm (Rt >=0ºC)

Para medias temperaturas de cámara:
- HED 35XX XX 6X: separación de 6 mm (Rt >=-18ºC)
- HED 40XX XX 7X y mayores: separación de 7 mm (Rt >=-20ºC)

Para bajas temperaturas de cámara:
- HED Plus 40XX XX 9X y mayores: con separación de 9 mm (Rt >=-35ºC)
- HED 40XX XX 10X y mayores: con separación de 10 mm (Rt >=-35ºC)

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

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

-ø450, 500, 630, 800 mm: three-phase 400V/3/50 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 ( depending on the model) 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:

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

-ø450, 500, 630, 800 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla 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 (según modelo) 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”.

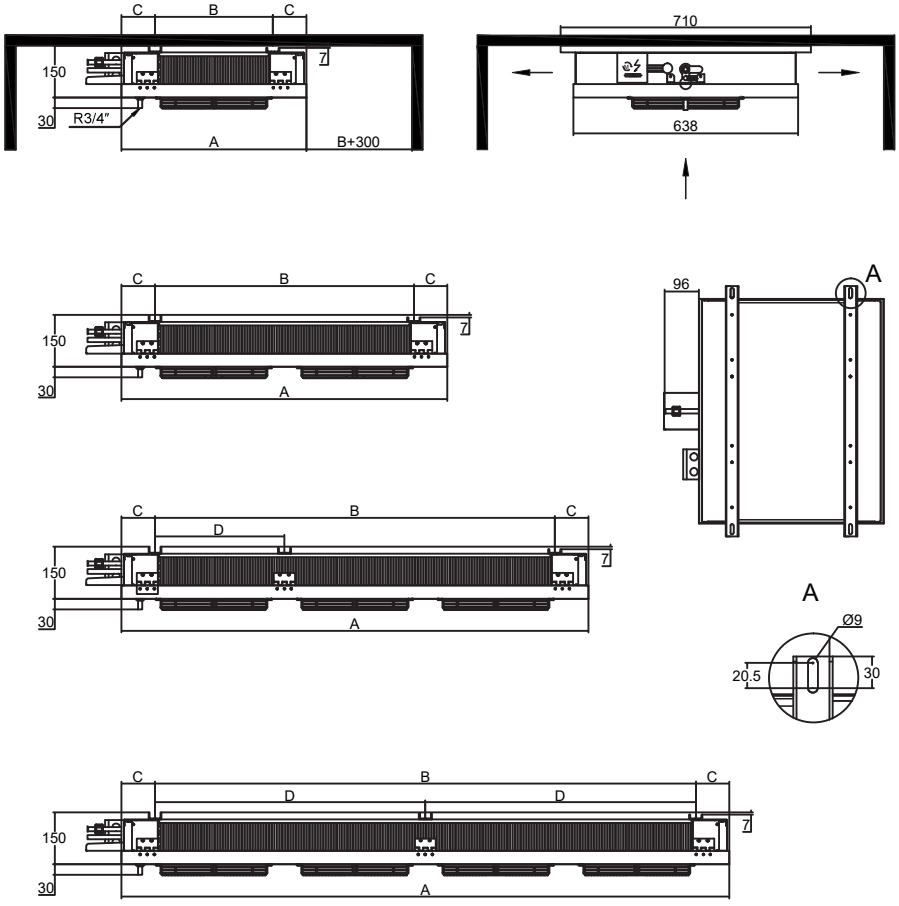
Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

# HED N 4502 82 7D SS1 SS2 GF

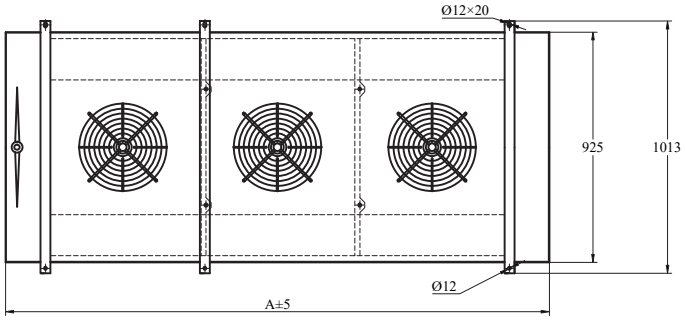
- Fin materials (blank: aluminum, GF: golden fins) / Materiales de las aletas (en blanco: aluminio, GF: aletas doradas)
- Casing materials (blank: aluminum, SS2: stainless steel) / Materiales de la carcasa (en blanco: aluminio, SS2: acero inoxidable)
- Tube materials (blank: copper, SS1: stainless steel) / 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, N: ammonia, $CO_2$: $CO_2$)/ Refrigerante (blanco: Freon, G: glicol, N: amoníaco, $CO_2$: $CO_2$)
- Series / Serie

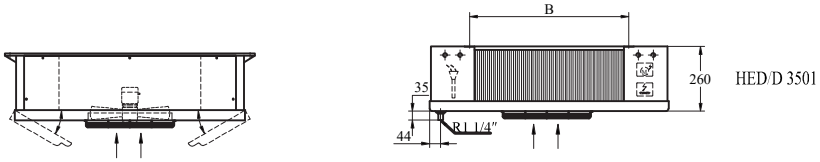
# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO

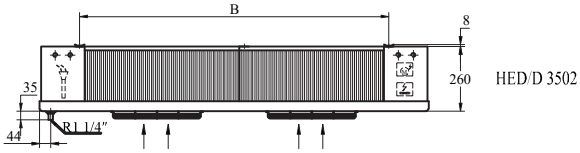


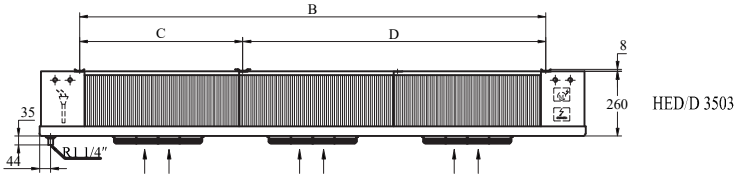


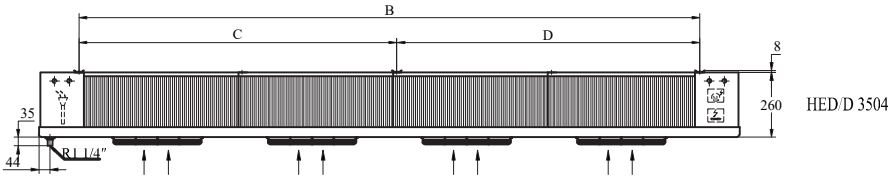

| Model / Model | Dimensions / Dimensiones (mm) | | | |
|---|---|---|---|---|
| | A | B | C | D |
| HED 2501... | 530 | 335 | 95 | |
| HED 2502... | 930 | 735 | 95 | |
| HED 2503... | 1330 | 1135 | 95 | 367.5 |
| HED 2504... | 1730 | 1535 | 95 | 367.5 |



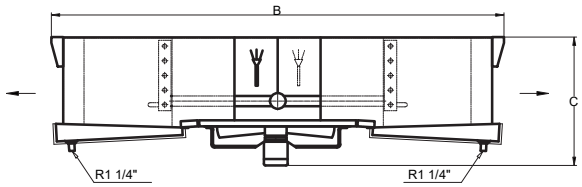



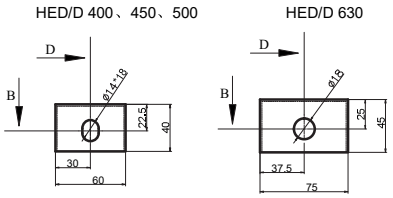



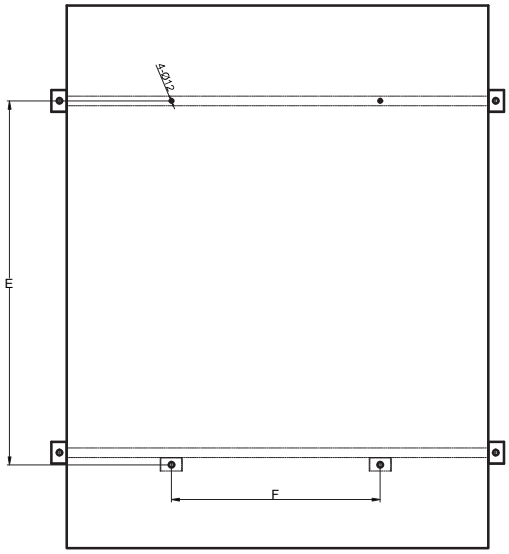

| Model / Model | Dimensions / Dimensiones (mm) | | | |
|---|---|---|---|---|
| | A | B | C | D |
| HED 3501... | 963 | 640 | | |
| HED 3502... | 1565 | 1242 | | |
| HED 3503... | 2167 | 1844 | 640 | 1204 |
| HED 3504... | 2769 | 2446 | 1242 | 1204 |

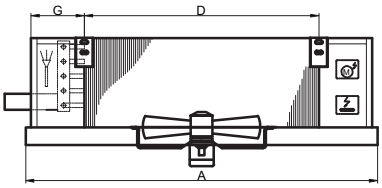
# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



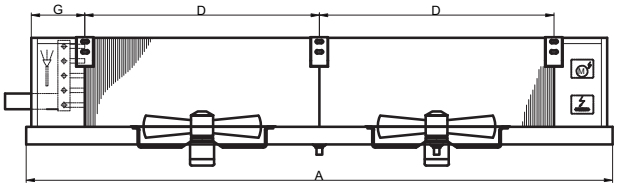


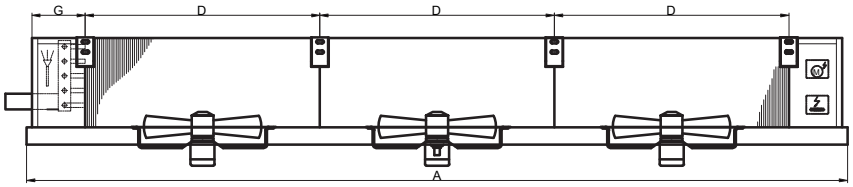




HED/D
4001/4501/5001/6301




HED/D
4002/4502/5002/6302




HED/D
4003/4503/5003/6303

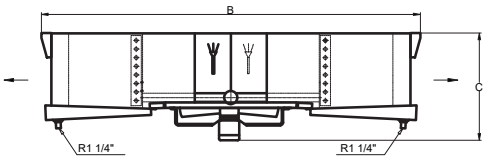
| Model / Model | Dimensions / Dimensiones (mm) | | | | | | |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |
| HED 4001... | 1000 | 1555 | 435 | 600 | 655 | 565 | 190 |
| HED 4002... | 1600 | 1555 | 435 | 600 | 1255 | 565 | 190 |
| HED 4003... | 2280 | 1555 | 435 | 600 | 1855 | 565 | 230 |
| HED 4501... | 1200 | 1555 | 450 | 800 | 855 | 565 | 190 |
| HED 4502... | 2000 | 1555 | 450 | 800 | 1655 | 565 | 190 |
| HED 4503... | 2880 | 1555 | 450 | 800 | 2455 | 565 | 230 |
| HED 5001... | 1480 | 1555 | 450 | 1000 | 1055 | 565 | 230 |
| HED 5002... | 2480 | 1555 | 450 | 1000 | 2055 | 565 | 230 |
| HED 5003... | 3520 | 1555 | 450 | 1000 | 3055 | 565 | 250 |
| HED 6301... | 1850 | 1935 | 450 | 1200 | 1255 | 745 | 315 |
| HED 6302... | 3050 | 1935 | 450 | 1200 | 2455 | 745 | 315 |
| HED 6303... | 4350 | 1935 | 450 | 1200 | 3655 | 745 | 415 |
| *HED 6301... | 1850 | 1935 | 550 | 1200 | 1255 | 745 | 315 |
| *HED 6302... | 3050 | 1935 | 550 | 1200 | 2455 | 745 | 315 |
| *HED 6303... | 4350 | 1935 | 550 | 1200 | 3655 | 745 | 315 |

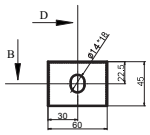
Dimensions for models with *.

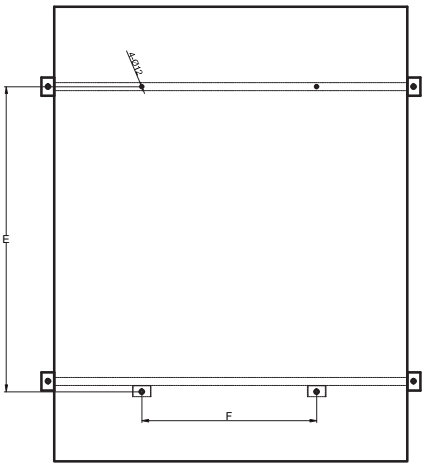
Dimensiones para modelos con *.

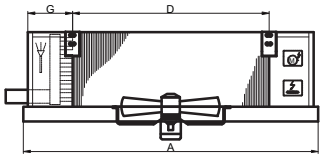
# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



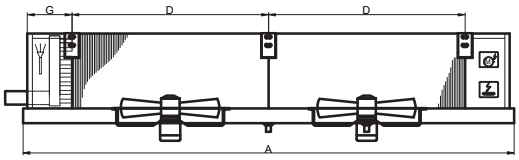


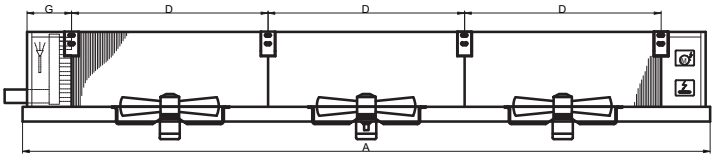



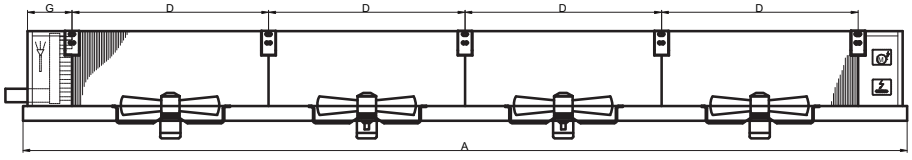

HED/D PLUS
4001/4501/5001/6301/8001




HED/D PLUS
4002/4502/5002/6302/8002




HED/D PLUS
4003/4503/5003/6303/8003




HED/D PLUS
4004/4504/5004/6304

| Model / Model | Dimensions / Dimensiones (mm) | | | | | | |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |
| HED Plus 4001... | 1000 | 1390 | 415 | 600 | 655 | 565 | 190 |
| HED Plus 4002... | 1640 | 1390 | 415 | 600 | 1255 | 565 | 210 |
| HED Plus 4003... | 2280 | 1390 | 415 | 600 | 1855 | 565 | 230 |
| HED Plus 4004... | 2880 | 1390 | 415 | 600 | 2455 | 565 | 230 |
| HED Plus 4501... | 1200 | 1390 | 430 | 800 | 855 | 565 | 190 |
| HED Plus 4502... | 2040 | 1390 | 430 | 800 | 1655 | 565 | 210 |
| HED Plus 4503... | 2880 | 1390 | 430 | 800 | 2455 | 565 | 230 |
| HED Plus 4504... | 3680 | 1390 | 430 | 800 | 3255 | 565 | 230 |
| HED Plus 5001... | 1480 | 1530 | 430 | 1000 | 1055 | 565 | 230 |
| HED Plus 5002... | 2480 | 1530 | 430 | 1000 | 2055 | 565 | 230 |
| HED Plus 5003... | 3520 | 1530 | 430 | 1000 | 3055 | 565 | 250 |
| HED Plus 5004... | 4520 | 1530 | 430 | 1000 | 4055 | 565 | 250 |
| HED Plus 6301... | 1850 | 1705 | 570 | 1200 | 1255 | 745 | 315 |
| HED Plus 6302... | 3050 | 1705 | 570 | 1200 | 2455 | 745 | 315 |
| HED Plus 6303... | 4350 | 1705 | 570 | 1200 | 3655 | 745 | 365 |
| HED Plus 6304... | 5550 | 1705 | 570 | 1200 | 4855 | 745 | 365 |
| HED Plus 8001... | 2050 | 2020 | 750 | 1400 | 1455 | 1060 | 315 |
| HED Plus 8002... | 3450 | 2020 | 750 | 1400 | 2855 | 1060 | 315 |
| HED Plus 8003... | 4850 | 2020 | 750 | 1400 | 4255 | 1060 | 315 |

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$ = 0ºC | $t_e$ = -8ºC | $t_e$ = 0ºC | $t_e$ = -8ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=10K | DT1=8K | DT1=10K | DT1=8K | | | | | |
| HED 2501 04 4.5D | 1.77 | 1.21 | 1.80 | 1.22 | 3.6 | 1.0 | 10 | 12 | 12 |
| HED 2502 08 4.5D | 3.97 | 2.70 | 4.02 | 2.72 | 8.2 | 2.2 | 18 | 12 | 12 |
| HED 2503 12 4.5D | 6.14 | 4.16 | 6.21 | 4.21 | 12.8 | 3.4 | 26 | 12 | 19 |
| HED 2504 16 4.5D | 8.30 | 5.63 | 8.40 | 5.70 | 17.4 | 4.6 | 34 | 12 | 22 |

| 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) | Total (W) |
| HED 2501 04 4.5D | 250 | 1 | 1 ~ 230 | 50 | 0.2 | 738 | 2 × 2 | 2 × 400 | 800 |
| HED 2502 08 4.5D | 250 | 2 | 1 ~ 230 | 100 | 0.5 | 1577 | 2 × 2 | 2 × 825 | 1650 |
| HED 2503 12 4.5D | 250 | 3 | 1 ~ 230 | 150 | 0.7 | 2407 | 2 × 3 | 2 × 1250 | 2500 |
| HED 2504 16 4.5D | 250 | 4 | 1 ~ 230 | 200 | 0.9 | 3235 | 2 × 3 | 2 × 1575 | 3150 |

**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= 0ºC | $t_e$= -8ºC | $t_e$= 0ºC | $t_e$= -8ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=10K | DT1=8K | DT1=10K | DT1=8K | | | | | |
| HED 3501 16 4LD | 3.71 | 2.62 | 3.80 | 2.69 | 17.0 | 2.9 | 30 | 12 | 22 |
| HED 3501 16 4ND | 4.86 | 3.34 | 5.07 | 3.49 | 17.0 | 2.9 | 30 | 12 | 22 |
| HED 3502 31 4LD | 7.53 | 5.32 | 7.69 | 5.45 | 34.1 | 5.7 | 50 | 12 | 22 |
| HED 3502 31 4ND | 9.94 | 6.84 | 10.32 | 7.10 | 34.1 | 5.7 | 50 | 12 | 22 |
| HED 3503 47 4LD | 11.35 | 8.03 | 11.59 | 8.20 | 51.2 | 8.6 | 70 | 12 | 28 |
| HED 3503 47 4ND | 15.03 | 10.33 | 15.56 | 10.70 | 51.2 | 8.6 | 70 | 12 | 28 |
| HED 3504 62 4LD | 15.17 | 10.73 | 15.48 | 10.96 | 68.3 | 11.5 | 89 | 15 | 28 |
| HED 3504 62 4ND | 20.12 | 13.83 | 20.81 | 14.31 | 68.3 | 11.5 | 89 | 15 | 28 |

| 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) | Total (W) |
| HED 3501 16 4LD | 350 | 1 | 1 ~ 230 | 94 | 0.4 | 1181 | 2 × 6 | 2 × 750 | 1500 |
| HED 3501 16 4ND | 350 | 1 | 1 ~ 230 | 150 | 0.7 | 1853 | 2 × 9 | 2 × 750 | 1500 |
| HED 3502 31 4LD | 350 | 2 | 1 ~ 230 | 188 | 0.9 | 2365 | 2 × 7 | 2 × 1250 | 2500 |
| HED 3502 31 4ND | 350 | 2 | 1 ~ 230 | 300 | 1.5 | 3705 | 2 × 10 | 2 × 1250 | 2500 |
| HED 3503 47 4LD | 350 | 3 | 1 ~ 230 | 282 | 1.3 | 3549 | 2 × 8 | 2 × 1750 | 3500 |
| HED 3503 47 4ND | 350 | 3 | 1 ~ 230 | 450 | 2.2 | 5558 | 2 × 11 | 2 × 1750 | 3500 |
| HED 3504 62 4LD | 350 | 4 | 1 ~ 230 | 376 | 1.7 | 4732 | 2 × 9 | 2 × 2650 | 5300 |
| HED 3504 62 4ND | 350 | 4 | 1 ~ 230 | 600 | 2.9 | 7411 | 2 × 12 | 2 × 2650 | 5300 |

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | |
| HED 3501 11 6LD | 2.32 | 1.66 | 2.37 | 1.68 | 11.7 | 2.9 | 29 | 12 | 22 |
| HED 3501 11 6ND | 2.87 | 1.96 | 2.96 | 2.07 | 11.7 | 2.9 | 29 | 12 | 22 |
| HED 3502 22 6LD | 4.70 | 3.39 | 4.79 | 3.42 | 23.5 | 5.7 | 48 | 12 | 22 |
| HED 3502 22 6ND | 5.84 | 4.04 | 6.00 | 4.24 | 23.5 | 5.7 | 48 | 12 | 22 |
| HED 3503 32 6LD | 7.08 | 5.13 | 7.21 | 5.16 | 35.2 | 8.6 | 68 | 15 | 28 |
| HED 3503 32 6ND | 8.81 | 6.13 | 9.04 | 6.41 | 35.2 | 8.6 | 68 | 15 | 28 |
| HED 3504 43 6LD | 9.47 | 6.86 | 9.64 | 6.90 | 47.0 | 11.5 | 87 | 15 | 28 |
| HED 3504 43 6ND | 11.78 | 8.22 | 12.07 | 8.58 | 47.0 | 11.5 | 87 | 15 | 28 |

| 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) | Total (W) |
| HED 3501 11 6LD | 350 | 1 | 1 ~ 230 | 94 | 0.4 | 1276 | 2 × 6 | 2 × 750 | 1500 |
| HED 3501 11 6ND | 350 | 1 | 1 ~ 230 | 150 | 0.7 | 1883 | 2 × 9 | 2 × 750 | 1500 |
| HED 3502 22 6LD | 350 | 2 | 1 ~ 230 | 188 | 0.9 | 2554 | 2 × 7 | 2 × 1250 | 2500 |
| HED 3502 22 6ND | 350 | 2 | 1 ~ 230 | 300 | 1.5 | 3766 | 2 × 10 | 2 × 1250 | 2500 |
| HED 3503 32 6LD | 350 | 3 | 1 ~ 230 | 282 | 1.3 | 3832 | 2 × 8 | 2 × 1750 | 3500 |
| HED 3503 32 6ND | 350 | 3 | 1 ~ 230 | 450 | 2.2 | 5650 | 2 × 11 | 2 × 1750 | 3500 |
| HED 3504 43 6LD | 350 | 4 | 1 ~ 230 | 376 | 1.7 | 5110 | 2 × 9 | 2 × 2650 | 5300 |
| HED 3504 43 6ND | 350 | 4 | 1 ~ 230 | 600 | 2.9 | 7533 | 2 × 12 | 2 × 2650 | 5300 |

**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= 0ºC | $t_e$= -8ºC | $t_e$= 0ºC | $t_e$= -8ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=10K | DT1=8K | DT1=10K | DT1=8K | | | | | |
| HED 4001 36 4D | 6.61 | 4.56 | 6.68 | 4.59 | 34.8 | 4.5 | 79 | 12 | 22 |
| HED 4002 72 4D | 13.36 | 9.22 | 13.46 | 9.25 | 69.6 | 9.0 | 127 | 15 | 35 |
| HED 4003 108 4D | 20.10 | 13.88 | 20.24 | 13.91 | 104.4 | 13.5 | 168 | 22 | 54 |
| HED 4501 48 4D | 8.92 | 6.17 | 9.25 | 6.39 | 46.4 | 6.0 | 88 | 15 | 22 |
| HED 4502 96 4D | 18.39 | 12.74 | 18.41 | 12.69 | 92.8 | 12.0 | 146 | 15 | 42 |
| HED 4503 144 4D | 27.80 | 19.24 | 28.00 | 19.29 | 139.2 | 18.0 | 200 | 22 | 54 |
| HED 5001 90 4D | 16.48 | 11.41 | 16.93 | 11.69 | 87.0 | 11.2 | 126 | 15 | 35 |
| HED 5002 180 4D | 33.30 | 23.11 | 33.21 | 22.91 | 174.1 | 22.5 | 215 | 22 | 54 |
| HED 5003 270 4D | 50.18 | 34.78 | 51.31 | 35.46 | 261.1 | 33.7 | 295 | 28 | 67 |
| HED 6301 144 4D | 25.86 | 18.06 | 26.69 | 18.61 | 139.2 | 18.0 | 191 | 22 | 54 |
| HED 6302 288 4D | 52.28 | 36.53 | 53.79 | 37.53 | 278.5 | 36.0 | 334 | 28 | 67 |
| HED 6303 432 4D | 77.02 | 53.78 | 80.10 | 55.91 | 417.7 | 54.0 | 497 | 35 | 76 |

| 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) |
| HED 4001 36 4D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 3169 | 2 × 5 | 4 × 700 | 2 × 700 | 4200 |
| HED 4002 72 4D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 6337 | 2 × 7 | 4 × 1510 | 2 × 1510 | 9060 |
| HED 4003 108 4D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 9506 | 2 × 8 | 4 × 1700 | 2 × 1700 | 10200 |
| HED 4501 48 4D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4623 | 2 × 7 | 4 × 850 | 2 × 850 | 5100 |
| HED 4502 96 4D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 9256 | 2 × 9 | 4 × 1800 | 2 × 1800 | 10800 |
| HED 4503 144 4D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 13878 | 2 × 11 | 4 × 2740 | 2 × 2740 | 16440 |
| HED 5001 90 4D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 6629 | 2 × 9 | 4 × 1280 | 4 × 1280 | 10240 |
| HED 5002 180 4D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 13271 | 2 × 10 | 4 × 2320 | 4 × 2320 | 18560 |
| HED 5003 270 4D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 19885 | 2 × 13 | 4 × 3200 | 4 × 3200 | 25600 |
| HED 6301 144 4D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 9402 | 2 × 9 | 6 × 1510 | 4 × 1510 | 15100 |
| HED 6302 288 4D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 18803 | 2 × 11 | 6 × 2740 | 4 × 2740 | 27400 |
| HED 6303 432 4D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 28194 | 2 × 13 | 6 × 3800 | 4 × 3800 | 38000 |

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | |
| HED 4001 31 7D | 4.76 | 3.47 | 4.89 | 3.66 | 30.7 | 6.7 | 82 | 15 | 22 |
| HED 4002 62 7D | 9.68 | 7.14 | 9.90 | 7.48 | 61.4 | 13.5 | 132 | 15 | 35 |
| HED 4003 93 7D | 14.60 | 10.81 | 14.90 | 11.30 | 92.1 | 20.2 | 176 | 22 | 54 |
| HED 4501 41 7D | 6.19 | 4.20 | 6.57 | 4.60 | 40.9 | 9.0 | 92 | 15 | 35 |
| HED 4502 82 7D | 13.53 | 10.32 | 13.71 | 10.73 | 81.9 | 18.0 | 154 | 22 | 42 |
| HED 4503 123 7D | 20.04 | 16.18 | 19.28 | 15.53 | 122.8 | 27.0 | 211 | 22 | 54 |
| HED 5001 51 7D | 9.27 | 7.16 | 9.40 | 7.43 | 51.2 | 11.2 | 117 | 15 | 35 |
| HED 5002 103 7D | 18.02 | 15.09 | 16.50 | 13.93 | 102.4 | 22.5 | 198 | 22 | 54 |
| HED 5003 155 7D | 28.12 | 21.89 | 28.42 | 22.62 | 153.6 | 33.7 | 270 | 28 | 67 |
| HED 6301 82 7D | 15.32 | 11.65 | 15.64 | 12.23 | 81.9 | 18.0 | 177 | 22 | 54 |
| *HED 6301 103 7D | 18.93 | 14.36 | 19.25 | 14.96 | 109.2 | 24.0 | 189 | 22 | 54 |
| HED 6302 165 7D | 30.91 | 23.67 | 31.48 | 24.74 | 163.8 | 36.0 | 307 | 28 | 67 |
| *HED 6302 206 7D | 38.14 | 29.10 | 38.69 | 30.21 | 218.4 | 48.0 | 331 | 28 | 67 |
| HED 6303 247 7D | 46.10 | 34.28 | 47.43 | 36.31 | 245.7 | 54.0 | 456 | 35 | 76 |
| *HED 6303 309 7D | 53.69 | 36.68 | 56.75 | 40.21 | 327.6 | 72.0 | 492 | 35 | 76 |

| 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) |
| HED 4001 31 7D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 3123 | 2 × 6 | 4 × 700 | 4 × 700 | 5600 |
| HED 4002 62 7D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 6245 | 2 × 7 | 4 × 1510 | 4 × 1510 | 12080 |
| HED 4003 93 7D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 9368 | 2 × 8 | 4 × 1700 | 4 × 1700 | 13600 |
| HED 4501 41 7D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4519 | 2 × 8 | 4 × 850 | 4 × 850 | 6800 |
| HED 4502 82 7D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 9045 | 2 × 9 | 4 × 1800 | 4 × 1800 | 14400 |
| HED 4503 123 7D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 13579 | 2 × 11 | 4 × 2740 | 4 × 2740 | 21920 |
| HED 5001 51 7D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 7074 | 2 × 9 | 4 × 1280 | 4 × 1280 | 10240 |
| HED 5002 103 7D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 14167 | 2 × 11 | 4 × 2320 | 4 × 2320 | 18560 |
| HED 5003 155 7D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 21220 | 2 × 13 | 4 × 3200 | 4 × 3200 | 25600 |
| HED 6301 82 7D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 10395 | 2 × 10 | 6 × 1510 | 4 × 1510 | 15100 |
| *HED 6301 103 7D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 11634 | 2 × 9 | 8 × 1510 | 4 × 1510 | 18120 |
| HED 6302 165 7D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 20790 | 2 × 12 | 6 × 2740 | 4 × 2740 | 27400 |
| *HED 6302 206 7D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 23266 | 2 × 11 | 8 × 2740 | 4 × 2740 | 32880 |
| HED 6303 247 7D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 31171 | 2 × 14 | 6 × 3800 | 4 × 3800 | 38000 |
| *HED 6303 309 7D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 34870 | 2 × 13 | 8 × 3800 | 4 × 3800 | 45600 |

**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | |
| HED 4001 22 10D | 4.12 | 3.06 | 4.20 | 3.17 | 22.1 | 6.7 | 80 | 15 | 22 |
| HED 4002 43 10D | 8.36 | 6.26 | 8.49 | 6.45 | 44.2 | 13.5 | 129 | 15 | 35 |
| HED 4003 65 10D | 12.59 | 9.47 | 12.77 | 9.73 | 66.3 | 20.2 | 171 | 22 | 54 |
| HED 4501 29 10D | 5.52 | 3.82 | 5.80 | 4.14 | 29.5 | 9.0 | 89 | 15 | 35 |
| HED 4502 58 10D | 11.66 | 9.00 | 11.76 | 9.07 | 59.0 | 18.0 | 149 | 22 | 42 |
| HED 4503 86 10D | 17.02 | 13.73 | 15.65 | 12.82 | 88.4 | 27.0 | 204 | 22 | 54 |
| HED 5001 36 10D | 7.96 | 6.23 | 8.03 | 6.31 | 36.8 | 11.2 | 114 | 15 | 35 |
| HED 5002 72 10D | 15.05 | 12.39 | 13.12 | 11.33 | 73.7 | 22.5 | 192 | 22 | 54 |
| HED 5003 108 10D | 24.08 | 18.97 | 24.24 | 19.14 | 110.5 | 33.7 | 261 | 28 | 67 |
| HED 6301 58 10D | 13.47 | 10.42 | 13.67 | 10.87 | 59.0 | 18.0 | 172 | 22 | 54 |
| *HED 6301 72 10D | 16.55 | 12.74 | 16.75 | 13.06 | 78.6 | 24.0 | 184 | 22 | 54 |
| HED 6302 115 10D | 27.12 | 21.09 | 27.48 | 21.83 | 117.9 | 36.0 | 298 | 28 | 67 |
| *HED 6302 144 10D | 33.30 | 25.76 | 33.64 | 26.31 | 157.2 | 48.0 | 320 | 28 | 67 |
| HED 6303 173 10D | 40.74 | 30.83 | 41.63 | 32.31 | 176.9 | 54.0 | 442 | 35 | 76 |
| *HED 6303 216 10D | 48.28 | 33.75 | 50.52 | 36.47 | 235.8 | 72.0 | 475 | 35 | 76 |

| 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) |
| HED 4001 22 10D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 3201 | 2 × 6 | 4 × 700 | 4 × 700 | 5600 |
| HED 4002 43 10D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 6401 | 2 × 7 | 4 × 1510 | 4 × 1510 | 12080 |
| HED 4003 65 10D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 9601 | 2 × 8 | 4 × 1700 | 4 × 1700 | 13600 |
| HED 4501 29 10D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4698 | 2 × 8 | 4 × 850 | 4 × 850 | 6800 |
| HED 4502 58 10D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 9403 | 2 × 9 | 4 × 1800 | 4 × 1800 | 14400 |
| HED 4503 86 10D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 14116 | 2 × 11 | 4 × 2740 | 4 × 2740 | 21920 |
| HED 5001 36 10D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 7319 | 2 × 8 | 4 × 1280 | 4 × 1280 | 10240 |
| HED 5002 72 10D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 14662 | 2 × 10 | 4 × 2320 | 4 × 2320 | 18560 |
| HED 5003 108 10D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 21955 | 2 × 12 | 4 × 3200 | 4 × 3200 | 25600 |
| HED 6301 58 10D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 10916 | 2 × 11 | 6 × 1510 | 4 × 1510 | 15100 |
| *HED 6301 72 10D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 12083 | 2 × 10 | 8 × 1510 | 4 × 1510 | 18120 |
| HED 6302 115 10D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 21832 | 2 × 13 | 6 × 2740 | 4 × 2740 | 27400 |
| *HED 6302 144 10D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 24165 | 2 × 12 | 8 × 2740 | 4 × 2740 | 32880 |
| HED 6303 173 10D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 32731 | 2 × 15 | 6 × 3800 | 4 × 3800 | 38000 |
| *HED 6303 216 10D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 36212 | 2 × 14 | 8 × 3800 | 4 × 3800 | 45600 |

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= 0ºC | $t_e$= -8ºC | $t_e$= 0ºC | $t_e$= -8ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=10K | DT1=8K | DT1=10K | DT1=8K | | | | | |
| HED Plus 4001 23 4D | 7.73 | 5.31 | 7.86 | 5.39 | 22.8 | 3.8 | 69 | 12 | 28 |
| HED Plus 4001 34 4D | 9.69 | 6.72 | 9.80 | 6.79 | 34.2 | 5.8 | 77 | 12 | 28 |
| HED Plus 4002 46 4D | 15.62 | 10.73 | 15.84 | 10.86 | 45.6 | 7.7 | 116 | 15 | 35 |
| HED Plus 4002 68 4D | 18.78 | 13.06 | 19.44 | 13.53 | 68.4 | 11.5 | 129 | 22 | 35 |
| HED Plus 4003 68 4D | 22.33 | 15.41 | 23.31 | 16.09 | 68.4 | 11.5 | 154 | 22 | 35 |
| HED Plus 4003 103 4D | 29.30 | 20.35 | 29.71 | 20.61 | 102.6 | 17.3 | 175 | 22 | 54 |
| HED Plus 4004 91 4D | 31.39 | 21.56 | 31.78 | 21.80 | 91.2 | 15.3 | 200 | 28 | 54 |
| HED Plus 4004 137 4D | 37.95 | 26.40 | 39.17 | 27.27 | 136.8 | 23.0 | 225 | 28 | 54 |
| HED Plus 4501 30 4D | 10.38 | 7.17 | 10.79 | 7.45 | 30.4 | 5.1 | 79 | 12 | 28 |
| HED Plus 4501 46 4D | 13.17 | 9.18 | 13.57 | 9.47 | 45.6 | 7.7 | 89 | 15 | 28 |
| HED Plus 4502 61 4D | 21.09 | 14.58 | 21.83 | 15.09 | 60.8 | 10.2 | 134 | 22 | 35 |
| HED Plus 4502 91 4D | 26.68 | 18.61 | 27.38 | 19.10 | 91.2 | 15.3 | 152 | 22 | 42 |
| HED Plus 4503 91 4D | 32.66 | 22.50 | 33.10 | 22.77 | 91.2 | 15.3 | 181 | 28 | 54 |
| HED Plus 4503 137 4D | 39.40 | 27.50 | 40.75 | 28.47 | 136.8 | 23.0 | 206 | 28 | 54 |
| HED Plus 4504 122 4D | 42.53 | 29.40 | 43.92 | 30.37 | 121.6 | 20.5 | 235 | 28 | 54 |
| HED Plus 4504 182 4D | 53.70 | 37.47 | 55.01 | 38.39 | 182.4 | 30.7 | 271 | 35 | 67 |
| HED Plus 5001 57 4D | 19.37 | 13.37 | 19.50 | 13.43 | 57.0 | 9.6 | 114 | 22 | 42 |
| HED Plus 5001 76 4D | 21.86 | 15.24 | 21.94 | 14.97 | 76.0 | 12.8 | 126 | 22 | 54 |
| HED Plus 5002 114 4D | 38.90 | 26.84 | 39.11 | 26.94 | 114.0 | 19.2 | 196 | 28 | 67 |
| HED Plus 5002 152 4D | 43.84 | 30.56 | 43.97 | 30.00 | 152.0 | 25.6 | 219 | 28 | 67 |
| HED Plus 5003 171 4D | 57.83 | 40.13 | 59.34 | 41.18 | 171.0 | 28.8 | 265 | 28 | 67 |
| HED Plus 5003 228 4D | 65.59 | 45.93 | 66.87 | 46.82 | 228.0 | 38.4 | 298 | 35 | 67 |
| HED Plus 5004 228 4D | 77.94 | 53.79 | 78.32 | 53.95 | 228.0 | 38.4 | 349 | 2 × 28 | 2 × 54 |
| HED Plus 5004 304 4D | 87.80 | 61.22 | 88.03 | 60.07 | 303.9 | 51.2 | 395 | 2 × 28 | 2 × 67 |
| HED Plus 6301 103 4D | 35.41 | 24.44 | 35.94 | 24.77 | 102.6 | 17.3 | 172 | 28 | 54 |
| HED Plus 6301 137 4D | 40.49 | 28.10 | 40.94 | 28.39 | 136.8 | 23.0 | 193 | 28 | 67 |
| HED Plus 6302 205 4D | 67.55 | 46.80 | 70.50 | 48.90 | 205.2 | 34.5 | 299 | 35 | 67 |
| HED Plus 6302 274 4D | 78.24 | 54.46 | 80.96 | 56.41 | 273.6 | 46.0 | 338 | 35 | 67 |
| HED Plus 6303 308 4D | 101.78 | 70.53 | 106.11 | 73.60 | 307.7 | 51.8 | 410 | 2 × 28 | 2 × 54 |
| HED Plus 6303 410 4D | 117.80 | 82.01 | 121.78 | 84.85 | 410.3 | 69.1 | 474 | 2 × 28 | 2 × 54 |
| HED Plus 6304 410 4D | 142.78 | 98.56 | 144.56 | 99.65 | 410.3 | 69.1 | 547 | 2 × 35 | 2 × 67 |
| HED Plus 6304 547 4D | 163.00 | 113.12 | 164.45 | 114.06 | 547.1 | 92.1 | 627 | 2 × 35 | 2 × 76 |
| HED Plus 8001 160 4D | 49.14 | 33.95 | 50.09 | 34.58 | 159.6 | 26.9 | 248 | 28 | 67 |
| HED Plus 8001 213 4D | 55.52 | 38.66 | 56.32 | 39.24 | 212.8 | 35.8 | 310 | 28 | 67 |
| HED Plus 8002 319 4D | 98.84 | 68.30 | 100.58 | 69.44 | 319.1 | 53.7 | 432 | 2 × 28 | 2 × 54 |
| HED Plus 8002 426 4D | 111.52 | 77.69 | 112.98 | 78.73 | 425.5 | 71.6 | 492 | 2 × 28 | 2 × 67 |
| HED Plus 8003 479 4D | 137.80 | 95.42 | 144.84 | 100.44 | 478.7 | 80.6 | 593 | 2 × 28 | 2 × 54 |
| HED Plus 8003 638 4D | 158.32 | 110.44 | 164.69 | 115.03 | 638.3 | 107.4 | 680 | 2 × 35 | 2 × 67 |

**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) |
| HED Plus 4001 23 4D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 3095 | 2 × 5 | 4 × 750 | 2 × 750 | 4500 |
| HED Plus 4001 34 4D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 2850 | 2 × 5 | 4 × 750 | 4 × 750 | 6000 |
| HED Plus 4002 46 4D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 6190 | 2 × 6 | 4 × 1250 | 2 × 1250 | 7500 |
| HED Plus 4002 68 4D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 5698 | 2 × 6 | 4 × 1250 | 4 × 1250 | 10000 |
| HED Plus 4003 68 4D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 9282 | 2 × 8 | 4 × 1700 | 2 × 1700 | 10200 |
| HED Plus 4003 103 4D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 8549 | 2 × 7 | 4 × 1700 | 4 × 1700 | 13600 |
| HED Plus 4004 91 4D | 400 | 4 | 1 ~ 230 | 708 | 1.2 | 12380 | 2 × 9 | 4 × 2740 | 2 × 2740 | 16440 |
| HED Plus 4004 137 4D | 400 | 4 | 1 ~ 230 | 708 | 1.2 | 11396 | 2 × 8 | 4 × 2740 | 4 × 2740 | 21920 |
| HED Plus 4501 30 4D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4463 | 2 × 7 | 4 × 730 | 2 × 730 | 4380 |
| HED Plus 4501 46 4D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4083 | 2 × 6 | 4 × 730 | 4 × 730 | 5840 |
| HED Plus 4502 61 4D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 8926 | 2 × 8 | 4 × 1800 | 2 × 1800 | 10800 |
| HED Plus 4502 91 4D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 8165 | 2 × 7 | 4 × 1800 | 4 × 1800 | 14400 |
| HED Plus 4503 91 4D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 13394 | 2 × 9 | 4 × 2740 | 2 × 2740 | 16440 |
| HED Plus 4503 137 4D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 12246 | 2 × 9 | 4 × 2740 | 4 × 2740 | 21920 |
| HED Plus 4504 122 4D | 450 | 4 | 3 ~ 400 | 1400 | 4.4 | 17851 | 2 × 11 | 4 × 3800 | 2 × 3800 | 22800 |
| HED Plus 4504 182 4D | 450 | 4 | 3 ~ 400 | 1400 | 4.4 | 16330 | 2 × 10 | 4 × 3800 | 4 × 3800 | 30400 |
| HED Plus 5001 57 4D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 6375 | 2 × 8 | 4 × 1280 | 4 × 1280 | 10240 |
| HED Plus 5001 76 4D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 5909 | 2 × 8 | 6 × 1280 | 4 × 1280 | 12800 |
| HED Plus 5002 114 4D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 12750 | 2 × 10 | 4 × 2320 | 4 × 2320 | 18560 |
| HED Plus 5002 152 4D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 11818 | 2 × 9 | 6 × 2320 | 4 × 2320 | 23200 |
| HED Plus 5003 171 4D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 19113 | 2 × 12 | 4 × 3200 | 4 × 3200 | 25600 |
| HED Plus 5003 228 4D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 17718 | 2 × 11 | 6 × 3200 | 4 × 3200 | 32000 |
| HED Plus 5004 228 4D | 500 | 4 | 3 ~ 400 | 2308 | 5.5 | 25499 | 2 × 14 | 4 × 4260 | 4 × 4260 | 34080 |
| HED Plus 5004 304 4D | 500 | 4 | 3 ~ 400 | 2308 | 5.5 | 23635 | 2 × 13 | 6 × 4260 | 4 × 4260 | 42600 |
| HED Plus 6301 103 4D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 11661 | 2 × 10 | 6 × 1250 | 4 × 1250 | 12500 |
| HED Plus 6301 137 4D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 10926 | 2 × 10 | 8 × 1250 | 4 × 1250 | 15000 |
| HED Plus 6302 205 4D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 23311 | 2 × 13 | 6 × 2740 | 4 × 2740 | 27400 |
| HED Plus 6302 274 4D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 21845 | 2 × 12 | 8 × 2740 | 4 × 2740 | 32880 |
| HED Plus 6303 308 4D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 34966 | 2 × 15 | 6 × 3800 | 4 × 3800 | 38000 |
| HED Plus 6303 410 4D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 32767 | 2 × 14 | 8 × 3800 | 4 × 3800 | 45600 |
| HED Plus 6304 410 4D | 630 | 4 | 3 ~ 400 | 4472 | 9.0 | 46642 | 2 × 18 | 6 × 5060 | 4 × 5060 | 50600 |
| HED Plus 6304 547 4D | 630 | 4 | 3 ~ 400 | 4472 | 9.0 | 43703 | 2 × 17 | 8 × 5060 | 4 × 5060 | 60720 |
| HED Plus 8001 160 4D | 800 | 1 | 3 ~ 400 | 1369 | 3.4 | 15034 | 2 × 11 | 8 × 1700 | 4 × 1700 | 20400 |
| HED Plus 8001 213 4D | 800 | 1 | 3 ~ 400 | 1369 | 3.4 | 14134 | 2 × 10 | 10 × 1700 | 4 × 1700 | 23800 |
| HED Plus 8002 319 4D | 800 | 2 | 3 ~ 400 | 2738 | 6.7 | 30066 | 2 × 13 | 8 × 2810 | 4 × 2810 | 33720 |
| HED Plus 8002 426 4D | 800 | 2 | 3 ~ 400 | 2738 | 6.7 | 28267 | 2 × 12 | 10 × 2810 | 4 × 2810 | 39340 |
| HED Plus 8003 479 4D | 800 | 3 | 3 ~ 400 | 4107 | 10.1 | 45088 | 2 × 16 | 8 × 4420 | 4 × 4420 | 53040 |
| HED Plus 8003 638 4D | 800 | 3 | 3 ~ 400 | 4107 | 10.1 | 42391 | 2 × 15 | 10 × 4420 | 4 × 4420 | 61880 |

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | |
| HED Plus 4001 16 6D | 4.46 | 3.30 | 4.51 | 3.30 | 15.7 | 3.8 | 69 | 12 | 28 |
| HED Plus 4001 24 6D | 5.90 | 4.35 | 5.87 | 4.30 | 23.5 | 5.8 | 75 | 12 | 28 |
| HED Plus 4002 31 6D | 8.99 | 6.68 | 9.07 | 6.66 | 31.4 | 7.7 | 114 | 15 | 35 |
| HED Plus 4002 47 6D | 11.69 | 8.14 | 12.03 | 8.55 | 47.0 | 11.5 | 126 | 22 | 35 |
| HED Plus 4003 47 6D | 13.27 | 9.15 | 13.70 | 9.70 | 47.0 | 11.5 | 151 | 22 | 35 |
| HED Plus 4003 71 6D | 17.91 | 13.13 | 18.10 | 13.13 | 70.6 | 17.3 | 171 | 22 | 54 |
| HED Plus 4004 63 6D | 18.05 | 13.45 | 18.18 | 13.38 | 62.7 | 15.3 | 196 | 28 | 54 |
| HED Plus 4004 94 6D | 23.60 | 16.54 | 24.20 | 17.40 | 94.1 | 23.0 | 220 | 28 | 54 |
| HED Plus 4501 21 6D | 6.19 | 4.34 | 6.37 | 4.58 | 20.9 | 5.1 | 78 | 12 | 28 |
| HED Plus 4501 31 6D | 8.17 | 5.76 | 8.37 | 5.99 | 31.4 | 7.7 | 87 | 15 | 28 |
| HED Plus 4502 42 6D | 12.54 | 8.86 | 12.86 | 9.30 | 41.8 | 10.2 | 132 | 22 | 35 |
| HED Plus 4502 63 6D | 16.52 | 11.75 | 16.86 | 12.16 | 62.7 | 15.3 | 148 | 22 | 42 |
| HED Plus 4503 63 6D | 18.98 | 14.21 | 19.15 | 14.23 | 62.7 | 15.3 | 177 | 28 | 54 |
| HED Plus 4503 94 6D | 24.57 | 17.18 | 25.26 | 18.13 | 94.1 | 23.0 | 201 | 28 | 54 |
| HED Plus 4504 84 6D | 25.24 | 17.90 | 25.84 | 18.75 | 83.6 | 20.5 | 231 | 28 | 54 |
| HED Plus 4504 125 6D | 33.22 | 23.73 | 33.85 | 24.51 | 125.4 | 30.7 | 264 | 35 | 67 |
| HED Plus 5001 39 6D | 11.58 | 8.86 | 11.37 | 8.61 | 39.2 | 9.6 | 112 | 22 | 42 |
| HED Plus 5001 52 6D | 13.62 | 10.31 | 13.10 | 9.97 | 52.3 | 12.8 | 123 | 22 | 54 |
| HED Plus 5002 78 6D | 23.24 | 17.82 | 22.79 | 17.30 | 78.4 | 19.2 | 192 | 28 | 67 |
| HED Plus 5002 105 6D | 27.30 | 20.72 | 26.24 | 20.02 | 104.5 | 25.6 | 213 | 28 | 67 |
| HED Plus 5003 118 6D | 35.39 | 25.44 | 36.10 | 26.46 | 117.6 | 28.8 | 258 | 28 | 67 |
| HED Plus 5003 157 6D | 41.72 | 30.15 | 42.37 | 30.91 | 156.8 | 38.4 | 289 | 35 | 67 |
| HED Plus 5004 157 6D | 46.54 | 35.73 | 45.64 | 34.66 | 156.8 | 38.4 | 340 | 2 × 28 | 2 × 54 |
| HED Plus 5004 209 6D | 54.68 | 41.54 | 52.53 | 40.10 | 209.1 | 51.2 | 383 | 2 × 28 | 2 × 67 |
| HED Plus 6301 71 6D | 21.24 | 15.80 | 21.46 | 15.85 | 70.6 | 17.3 | 168 | 28 | 54 |
| HED Plus 6301 94 6D | 25.17 | 18.69 | 25.26 | 18.54 | 94.1 | 23.0 | 188 | 28 | 67 |
| HED Plus 6302 141 6D | 41.65 | 28.66 | 43.12 | 30.53 | 141.1 | 34.5 | 292 | 35 | 67 |
| HED Plus 6302 188 6D | 49.72 | 34.67 | 51.18 | 36.70 | 188.2 | 46.0 | 328 | 35 | 67 |
| HED Plus 6303 212 6D | 62.72 | 43.25 | 64.87 | 46.00 | 211.7 | 51.8 | 398 | 2 × 28 | 2 × 54 |
| HED Plus 6303 282 6D | 74.83 | 52.31 | 76.95 | 55.29 | 282.2 | 69.1 | 458 | 2 × 28 | 2 × 54 |
| HED Plus 6304 282 6D | 85.49 | 63.86 | 86.20 | 63.94 | 282.2 | 69.1 | 531 | 2 × 35 | 2 × 67 |
| HED Plus 6304 376 6D | 101.19 | 75.45 | 101.46 | 74.67 | 376.3 | 92.1 | 606 | 2 × 35 | 2 × 76 |
| HED Plus 8001 110 6D | 29.64 | 21.53 | 30.09 | 21.82 | 109.8 | 26.9 | 242 | 28 | 67 |
| HED Plus 8001 146 6D | 35.00 | 25.60 | 35.39 | 25.43 | 146.3 | 35.8 | 302 | 28 | 67 |
| HED Plus 8002 220 6D | 59.55 | 43.37 | 60.43 | 43.89 | 219.5 | 53.7 | 420 | 2 × 28 | 2 × 54 |
| HED Plus 8002 293 6D | 70.27 | 51.55 | 70.97 | 51.10 | 292.7 | 71.6 | 476 | 2 × 28 | 2 × 67 |
| HED Plus 8003 329 6D | 85.50 | 57.63 | 89.07 | 62.23 | 329.3 | 80.6 | 574 | 2 × 28 | 2 × 54 |
| HED Plus 8003 439 6D | 101.94 | 69.99 | 105.50 | 74.70 | 439.0 | 107.4 | 655 | 2 × 35 | 2 × 67 |

**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) |
| HED Plus 4001 16 6D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 3186 | 2 × 6 | 4 × 750 | 2 × 750 | 4500 |
| HED Plus 4001 24 6D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 2994 | 2 × 5 | 4 × 750 | 4 × 750 | 6000 |
| HED Plus 4002 31 6D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 6371 | 2 × 7 | 4 × 1250 | 2 × 1250 | 7500 |
| HED Plus 4002 47 6D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 5984 | 2 × 6 | 4 × 1250 | 4 × 1250 | 10000 |
| HED Plus 4003 47 6D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 9553 | 2 × 8 | 4 × 1700 | 2 × 1700 | 10200 |
| HED Plus 4003 71 6D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 8979 | 2 × 7 | 4 × 1700 | 4 × 1700 | 13600 |
| HED Plus 4004 63 6D | 400 | 4 | 1 ~ 230 | 708 | 1.2 | 12742 | 2 × 9 | 4 × 2740 | 2 × 2740 | 16440 |
| HED Plus 4004 94 6D | 400 | 4 | 1 ~ 230 | 708 | 1.2 | 11968 | 2 × 9 | 4 × 2740 | 4 × 2740 | 21920 |
| HED Plus 4501 21 6D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4662 | 2 × 7 | 4 × 730 | 2 × 730 | 4380 |
| HED Plus 4501 31 6D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4290 | 2 × 6 | 4 × 730 | 4 × 730 | 5840 |
| HED Plus 4502 42 6D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 9323 | 2 × 8 | 4 × 1800 | 2 × 1800 | 10800 |
| HED Plus 4502 63 6D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 8579 | 2 × 8 | 4 × 1800 | 4 × 1800 | 14400 |
| HED Plus 4503 63 6D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 13992 | 2 × 10 | 4 × 2740 | 2 × 2740 | 16440 |
| HED Plus 4503 94 6D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 12867 | 2 × 9 | 4 × 2740 | 4 × 2740 | 21920 |
| HED Plus 4504 84 6D | 450 | 4 | 3 ~ 400 | 1400 | 4.4 | 18646 | 2 × 12 | 4 × 3800 | 2 × 3800 | 22800 |
| HED Plus 4504 125 6D | 450 | 4 | 3 ~ 400 | 1400 | 4.4 | 17157 | 2 × 11 | 4 × 3800 | 4 × 3800 | 30400 |
| HED Plus 5001 39 6D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 6702 | 2 × 9 | 4 × 1280 | 4 × 1280 | 10240 |
| HED Plus 5001 52 6D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 6255 | 2 × 8 | 6 × 1280 | 4 × 1280 | 12800 |
| HED Plus 5002 78 6D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 13404 | 2 × 10 | 4 × 2320 | 4 × 2320 | 18560 |
| HED Plus 5002 105 6D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 12509 | 2 × 10 | 6 × 2320 | 4 × 2320 | 23200 |
| HED Plus 5003 118 6D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 20090 | 2 × 12 | 4 × 3200 | 4 × 3200 | 25600 |
| HED Plus 5003 157 6D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 18752 | 2 × 12 | 6 × 3200 | 4 × 3200 | 32000 |
| HED Plus 5004 157 6D | 500 | 4 | 3 ~ 400 | 2308 | 5.5 | 26807 | 2 × 15 | 4 × 4260 | 4 × 4260 | 34080 |
| HED Plus 5004 209 6D | 500 | 4 | 3 ~ 400 | 2308 | 5.5 | 25018 | 2 × 14 | 6 × 4260 | 4 × 4260 | 42600 |
| HED Plus 6301 71 6D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 12160 | 2 × 11 | 6 × 1250 | 4 × 1250 | 12500 |
| HED Plus 6301 94 6D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 11474 | 2 × 10 | 8 × 1250 | 4 × 1250 | 15000 |
| HED Plus 6302 141 6D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 24308 | 2 × 13 | 6 × 2740 | 4 × 2740 | 27400 |
| HED Plus 6302 188 6D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 22938 | 2 × 12 | 8 × 2740 | 4 × 2740 | 32880 |
| HED Plus 6303 212 6D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 36462 | 2 × 16 | 6 × 3800 | 4 × 3800 | 38000 |
| HED Plus 6303 282 6D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 34407 | 2 × 15 | 8 × 3800 | 4 × 3800 | 45600 |
| HED Plus 6304 282 6D | 630 | 4 | 3 ~ 400 | 4472 | 9.0 | 48639 | 2 × 19 | 6 × 5060 | 4 × 5060 | 50600 |
| HED Plus 6304 376 6D | 630 | 4 | 3 ~ 400 | 4472 | 9.0 | 45896 | 2 × 18 | 8 × 5060 | 4 × 5060 | 60720 |
| HED Plus 8001 110 6D | 800 | 1 | 3 ~ 400 | 1369 | 3.4 | 15557 | 2 × 11 | 8 × 1700 | 4 × 1700 | 20400 |
| HED Plus 8001 146 6D | 800 | 1 | 3 ~ 400 | 1369 | 3.4 | 14835 | 2 × 11 | 10 × 1700 | 4 × 1700 | 23800 |
| HED Plus 8002 220 6D | 800 | 2 | 3 ~ 400 | 2738 | 6.7 | 31113 | 2 × 14 | 8 × 2810 | 4 × 2810 | 33720 |
| HED Plus 8002 293 6D | 800 | 2 | 3 ~ 400 | 2738 | 6.7 | 29670 | 2 × 13 | 10 × 2810 | 4 × 2810 | 39340 |
| HED Plus 8003 329 6D | 800 | 3 | 3 ~ 400 | 4107 | 10.1 | 46656 | 2 × 16 | 8 × 4420 | 4 × 4420 | 53040 |
| HED Plus 8003 439 6D | 800 | 3 | 3 ~ 400 | 4107 | 10.1 | 44493 | 2 × 16 | 10 × 4420 | 4 × 4420 | 61880 |

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



**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) | |
|---|---|---|---|---|---|---|---|---|---|
| | $t_e$= -8ºC | $t_e$= -25ºC | $t_e$= -8ºC | $t_e$= -25ºC | | | | Inlet/ Entrada | Outlet/ Salida |
| | DT1=8K | DT1=7K | DT1=8K | DT1=7K | | | | | |
| HED Plus 4001 11 9D | 3.63 | 2.68 | 3.55 | 2.61 | 10.9 | 3.8 | 67 | 12 | 28 |
| HED Plus 4001 16 9D | 4.97 | 3.63 | 4.79 | 3.55 | 16.4 | 5.8 | 74 | 12 | 28 |
| HED Plus 4002 22 9D | 7.29 | 5.40 | 7.13 | 5.26 | 21.9 | 7.7 | 112 | 15 | 35 |
| HED Plus 4002 33 9D | 10.02 | 7.14 | 10.22 | 7.24 | 32.8 | 11.5 | 123 | 22 | 35 |
| HED Plus 4003 33 9D | 11.00 | 7.73 | 11.24 | 8.00 | 32.8 | 11.5 | 148 | 22 | 35 |
| HED Plus 4003 49 9D | 15.10 | 11.07 | 14.93 | 10.87 | 49.2 | 17.3 | 166 | 22 | 54 |
| HED Plus 4004 44 9D | 14.62 | 10.85 | 14.29 | 10.56 | 43.7 | 15.3 | 192 | 28 | 54 |
| HED Plus 4004 66 9D | 20.16 | 14.44 | 20.53 | 14.63 | 65.6 | 23.0 | 213 | 28 | 54 |
| HED Plus 4501 15 9D | 5.13 | 3.67 | 5.24 | 3.75 | 14.6 | 5.1 | 76 | 12 | 28 |
| HED Plus 4501 22 9D | 6.99 | 5.04 | 7.11 | 5.09 | 21.9 | 7.7 | 85 | 15 | 28 |
| HED Plus 4502 29 9D | 10.36 | 7.44 | 10.54 | 7.59 | 29.2 | 10.2 | 129 | 22 | 35 |
| HED Plus 4502 44 9D | 14.08 | 10.22 | 14.30 | 10.27 | 43.7 | 15.3 | 144 | 22 | 42 |
| HED Plus 4503 44 9D | 15.44 | 11.52 | 15.23 | 11.25 | 43.7 | 15.3 | 173 | 28 | 54 |
| HED Plus 4503 66 9D | 21.08 | 15.13 | 21.50 | 15.42 | 65.6 | 23.0 | 194 | 28 | 54 |
| HED Plus 4504 58 9D | 20.81 | 14.99 | 21.14 | 15.27 | 58.3 | 20.5 | 225 | 28 | 54 |
| HED Plus 4504 88 9D | 28.28 | 20.59 | 28.69 | 20.65 | 87.5 | 30.7 | 255 | 35 | 67 |
| HED Plus 5001 27 9D | 9.70 | 7.32 | 9.18 | 7.04 | 27.3 | 9.6 | 109 | 22 | 42 |
| HED Plus 5001 37 9D | 11.73 | 8.76 | 10.97 | 8.44 | 36.5 | 12.8 | 120 | 22 | 54 |
| HED Plus 5002 55 9D | 19.44 | 14.70 | 18.40 | 14.12 | 54.7 | 19.2 | 186 | 28 | 67 |
| HED Plus 5002 73 9D | 23.52 | 17.59 | 21.97 | 16.93 | 72.9 | 25.6 | 206 | 28 | 67 |
| HED Plus 5003 82 9D | 30.03 | 21.89 | 30.45 | 22.21 | 82.0 | 28.8 | 250 | 28 | 67 |
| HED Plus 5003 109 9D | 36.39 | 26.66 | 36.85 | 26.67 | 109.4 | 38.4 | 279 | 35 | 67 |
| HED Plus 5004 109 9D | 38.93 | 29.47 | 36.83 | 28.27 | 109.4 | 38.4 | 330 | 2 × 28 | 2 × 54 |
| HED Plus 5004 146 9D | 47.08 | 35.25 | 43.97 | 33.89 | 145.8 | 51.2 | 369 | 2 × 28 | 2 × 67 |
| HED Plus 6301 49 9D | 17.72 | 13.19 | 17.58 | 12.94 | 49.2 | 17.3 | 163 | 28 | 54 |
| HED Plus 6301 66 9D | 21.68 | 16.11 | 21.20 | 15.73 | 65.6 | 23.0 | 181 | 28 | 67 |
| HED Plus 6302 98 9D | 35.53 | 24.82 | 36.42 | 25.95 | 98.4 | 34.5 | 282 | 35 | 67 |
| HED Plus 6302 131 9D | 43.60 | 30.85 | 44.56 | 31.94 | 131.2 | 46.0 | 315 | 35 | 67 |
| HED Plus 6303 148 9D | 53.44 | 37.42 | 54.75 | 39.28 | 147.6 | 51.8 | 384 | 2 × 28 | 2 × 54 |
| HED Plus 6303 197 9D | 65.57 | 46.49 | 66.96 | 48.09 | 196.8 | 69.1 | 439 | 2 × 28 | 2 × 54 |
| HED Plus 6304 197 9D | 71.22 | 53.18 | 70.56 | 52.08 | 196.8 | 69.1 | 512 | 2 × 35 | 2 × 67 |
| HED Plus 6304 263 9D | 87.05 | 64.89 | 85.06 | 63.23 | 262.5 | 92.1 | 580 | 2 × 35 | 2 × 76 |
| HED Plus 8001 77 9D | 24.92 | 18.18 | 25.04 | 18.04 | 76.6 | 26.9 | 234 | 28 | 67 |
| HED Plus 8001 102 9D | 30.28 | 22.17 | 30.03 | 21.75 | 102.1 | 35.8 | 292 | 28 | 67 |
| HED Plus 8002 153 9D | 49.99 | 36.60 | 50.21 | 36.24 | 153.1 | 53.7 | 405 | 2 × 28 | 2 × 54 |
| HED Plus 8002 204 9D | 60.74 | 44.58 | 60.18 | 43.66 | 204.1 | 71.6 | 456 | 2 × 28 | 2 × 67 |
| HED Plus 8003 230 9D | 73.60 | 50.76 | 75.87 | 53.80 | 229.7 | 80.6 | 552 | 2 × 28 | 2 × 54 |
| HED Plus 8003 306 9D | 89.93 | 62.77 | 92.32 | 65.60 | 306.2 | 107.4 | 625 | 2 × 35 | 2 × 67 |

**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) |
| HED Plus 4001 11 9D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 3266 | 2 × 6 | 4 × 750 | 2 × 750 | 4500 |
| HED Plus 4001 16 9D | 400 | 1 | 1 ~ 230 | 177 | 0.3 | 3104 | 2 × 5 | 4 × 750 | 4 × 750 | 6000 |
| HED Plus 4002 22 9D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 6531 | 2 × 7 | 4 × 1250 | 2 × 1250 | 7500 |
| HED Plus 4002 33 9D | 400 | 2 | 1 ~ 230 | 354 | 0.6 | 6204 | 2 × 6 | 4 × 1250 | 4 × 1250 | 10000 |
| HED Plus 4003 33 9D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 9792 | 2 × 8 | 4 × 1700 | 2 × 1700 | 10200 |
| HED Plus 4003 49 9D | 400 | 3 | 1 ~ 230 | 531 | 0.9 | 9308 | 2 × 8 | 4 × 1700 | 4 × 1700 | 13600 |
| HED Plus 4004 44 9D | 400 | 4 | 1 ~ 230 | 708 | 1.2 | 13061 | 2 × 10 | 4 × 2740 | 2 × 2740 | 16440 |
| HED Plus 4004 66 9D | 400 | 4 | 1 ~ 230 | 708 | 1.2 | 12408 | 2 × 9 | 4 × 2740 | 4 × 2740 | 21920 |
| HED Plus 4501 15 9D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4815 | 2 × 7 | 4 × 730 | 2 × 730 | 4380 |
| HED Plus 4501 22 9D | 450 | 1 | 3 ~ 400 | 350 | 1.1 | 4478 | 2 × 7 | 4 × 730 | 4 × 730 | 5840 |
| HED Plus 4502 29 9D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 9629 | 2 × 8 | 4 × 1800 | 2 × 1800 | 10800 |
| HED Plus 4502 44 9D | 450 | 2 | 3 ~ 400 | 700 | 2.2 | 8956 | 2 × 8 | 4 × 1800 | 4 × 1800 | 14400 |
| HED Plus 4503 44 9D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 14448 | 2 × 10 | 4 × 2740 | 2 × 2740 | 16440 |
| HED Plus 4503 66 9D | 450 | 3 | 3 ~ 400 | 1050 | 3.3 | 13432 | 2 × 9 | 4 × 2740 | 4 × 2740 | 21920 |
| HED Plus 4504 58 9D | 450 | 4 | 3 ~ 400 | 1400 | 4.4 | 19257 | 2 × 12 | 4 × 3800 | 2 × 3800 | 22800 |
| HED Plus 4504 88 9D | 450 | 4 | 3 ~ 400 | 1400 | 4.4 | 17912 | 2 × 11 | 4 × 3800 | 4 × 3800 | 30400 |
| HED Plus 5001 27 9D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 7007 | 2 × 9 | 4 × 1280 | 4 × 1280 | 10240 |
| HED Plus 5001 37 9D | 500 | 1 | 3 ~ 400 | 577 | 1.4 | 6588 | 2 × 9 | 6 × 1280 | 4 × 1280 | 12800 |
| HED Plus 5002 55 9D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 14013 | 2 × 11 | 4 × 2320 | 4 × 2320 | 18560 |
| HED Plus 5002 73 9D | 500 | 2 | 3 ~ 400 | 1154 | 2.8 | 13174 | 2 × 10 | 6 × 2320 | 4 × 2320 | 23200 |
| HED Plus 5003 82 9D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 21001 | 2 × 13 | 4 × 3200 | 4 × 3200 | 25600 |
| HED Plus 5003 109 9D | 500 | 3 | 3 ~ 400 | 1731 | 4.1 | 19747 | 2 × 12 | 6 × 3200 | 4 × 3200 | 32000 |
| HED Plus 5004 109 9D | 500 | 4 | 3 ~ 400 | 2308 | 5.5 | 28025 | 2 × 15 | 4 × 4260 | 4 × 4260 | 34080 |
| HED Plus 5004 146 9D | 500 | 4 | 3 ~ 400 | 2308 | 5.5 | 26348 | 2 × 15 | 6 × 4260 | 4 × 4260 | 42600 |
| HED Plus 6301 49 9D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 12527 | 2 × 11 | 6 × 1250 | 4 × 1250 | 12500 |
| HED Plus 6301 66 9D | 630 | 1 | 3 ~ 400 | 1118 | 2.3 | 11985 | 2 × 11 | 8 × 1250 | 4 × 1250 | 15000 |
| HED Plus 6302 98 9D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 25042 | 2 × 13 | 6 × 2740 | 4 × 2740 | 27400 |
| HED Plus 6302 131 9D | 630 | 2 | 3 ~ 400 | 2236 | 4.5 | 23958 | 2 × 13 | 8 × 2740 | 4 × 2740 | 32880 |
| HED Plus 6303 148 9D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 37563 | 2 × 16 | 6 × 3800 | 4 × 3800 | 38000 |
| HED Plus 6303 197 9D | 630 | 3 | 3 ~ 400 | 3354 | 6.8 | 35936 | 2 × 15 | 8 × 3800 | 4 × 3800 | 45600 |
| HED Plus 6304 197 9D | 630 | 4 | 3 ~ 400 | 4472 | 9.0 | 50105 | 2 × 19 | 6 × 5060 | 4 × 5060 | 50600 |
| HED Plus 6304 263 9D | 630 | 4 | 3 ~ 400 | 4472 | 9.0 | 47939 | 2 × 18 | 8 × 5060 | 4 × 5060 | 60720 |
| HED Plus 8001 77 9D | 800 | 1 | 3 ~ 400 | 1369 | 3.4 | 16024 | 2 × 12 | 8 × 1700 | 4 × 1700 | 20400 |
| HED Plus 8001 102 9D | 800 | 1 | 3 ~ 400 | 1369 | 3.4 | 15377 | 2 × 11 | 10 × 1700 | 4 × 1700 | 23800 |
| HED Plus 8002 153 9D | 800 | 2 | 3 ~ 400 | 2738 | 6.7 | 32047 | 2 × 14 | 8 × 2810 | 4 × 2810 | 33720 |
| HED Plus 8002 204 9D | 800 | 2 | 3 ~ 400 | 2738 | 6.7 | 30753 | 2 × 13 | 10 × 2810 | 4 × 2810 | 39340 |
| HED Plus 8003 230 9D | 800 | 3 | 3 ~ 400 | 4107 | 10.1 | 48054 | 2 × 17 | 8 × 4420 | 4 × 4420 | 53040 |
| HED Plus 8003 306 9D | 800 | 3 | 3 ~ 400 | 4107 | 10.1 | 46116 | 2 × 16 | 10 × 4420 | 4 × 4420 | 61880 |

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



## AVAILABLE OPTIONS FOR HED 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
- NH3: see HED 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 HED:

**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
- NH3: ver modelos HED N

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