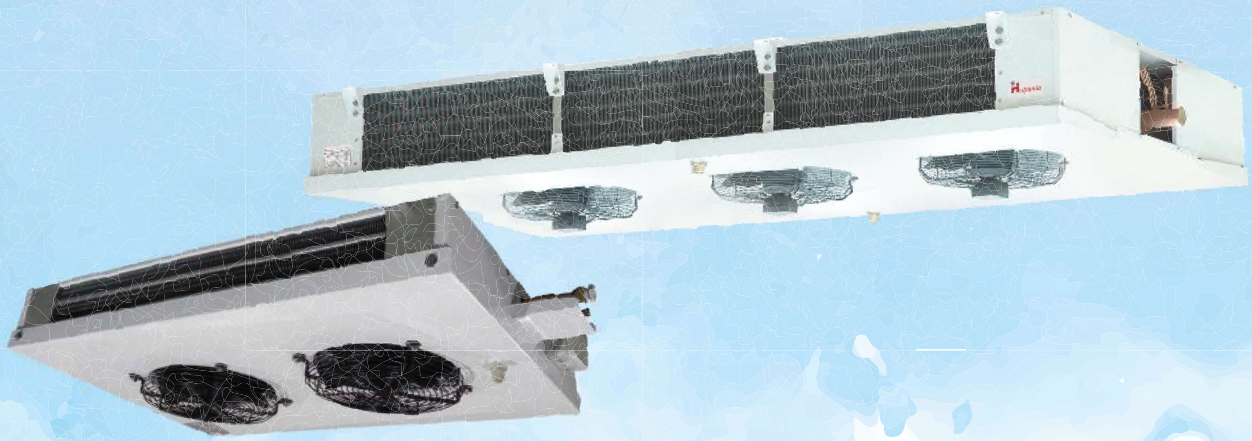
DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO



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)

HED & HED Plus SERIES EVAPORATOR
EVAPORADORES SERIE HED & HED Plus

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.

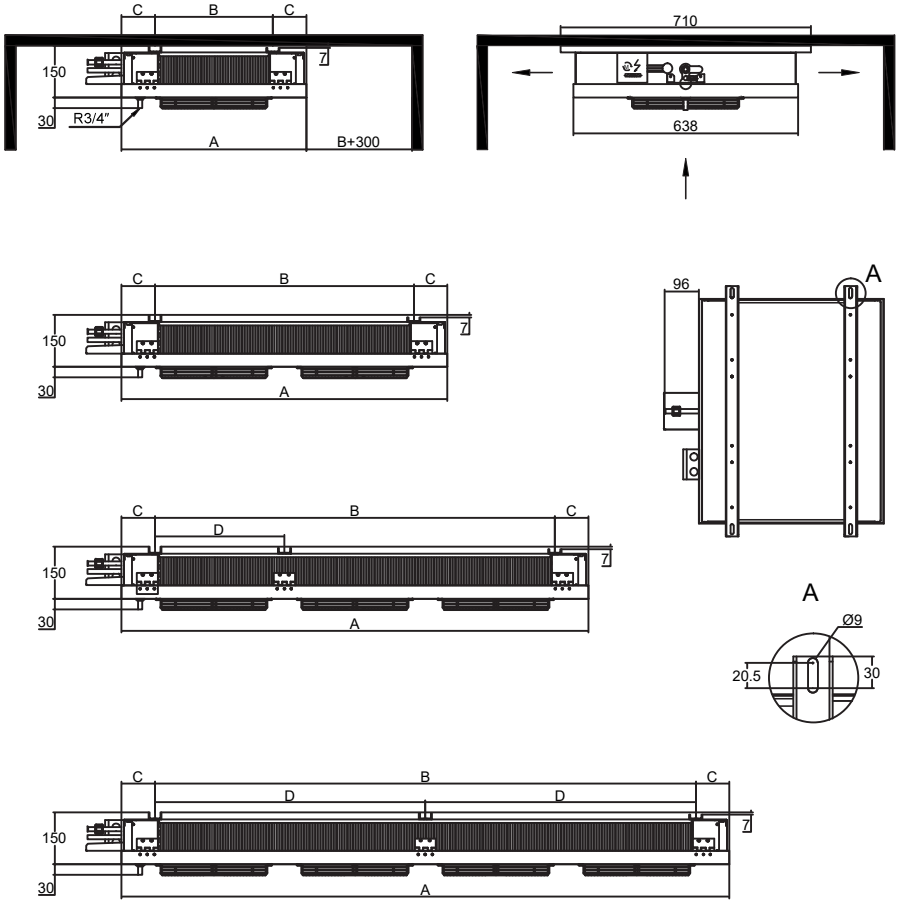
Para rendimientos en puntos de trabajo distintos a los de este catálogo utilizar el software “Unit Selector Hybrid HISPANIA”.

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

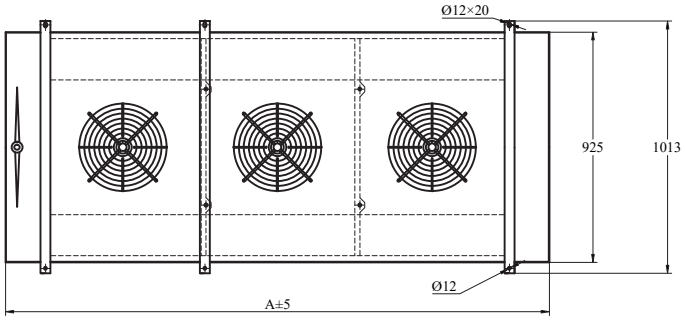
HED N 4502 82 7D SS1 SS2 GF

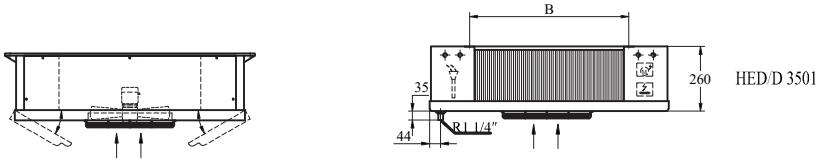
- Fin materials (blank: aluminum, GF: golden fins) / Materiales de las aletas (en blanco: aluminio, GF: aletas doradas)
- Casing materials (blank: aluminum, SS2: stainless steel) / Materiales de la carcasa (en blanco: aluminio, SS2: acero inoxidable)
- Tube materials (blank: copper, SS1: stainless steel) / 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

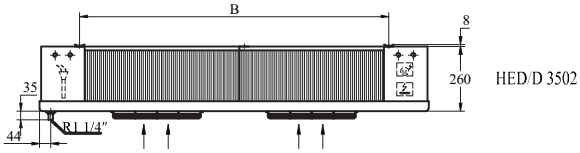
DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO

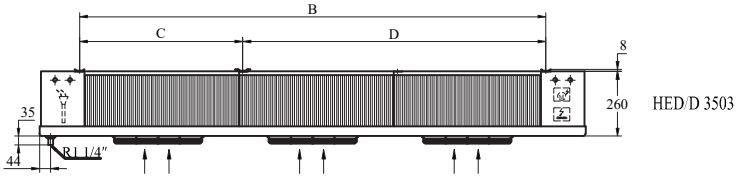


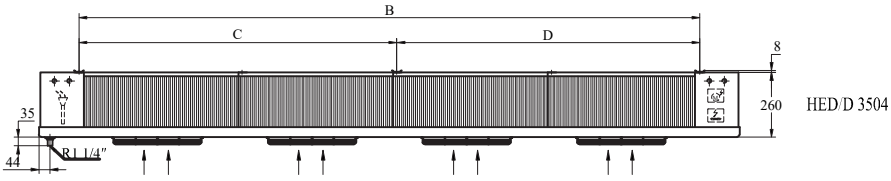
Model / Model	Dimensions / Dimensiones (mm)			
	A	B	C	D
HED 2501...	530	335	95	
HED 2502...	930	735	95	
HED 2503...	1330	1135	95	367.5
HED 2504...	1730	1535	95	367.5





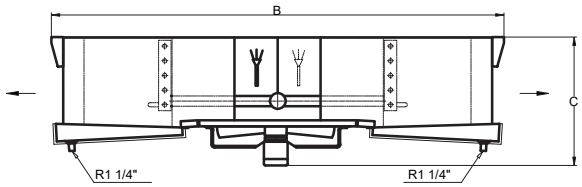


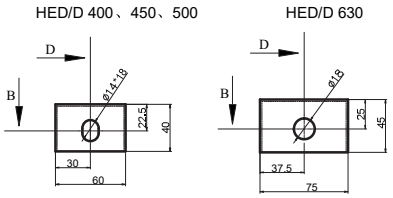


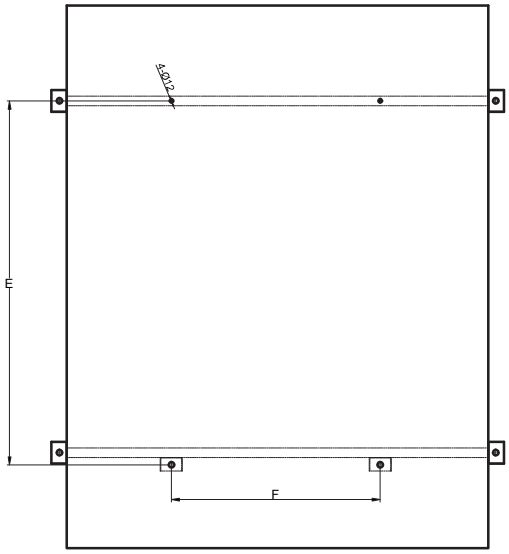


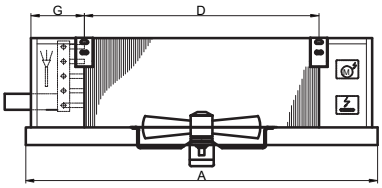
Model / Model	Dimensions / Dimensiones (mm)			
	A	B	C	D
HED 3501...	963	640		
HED 3502...	1565	1242		
HED 3503...	2167	1844	640	1204
HED 3504...	2769	2446	1242	1204

DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO

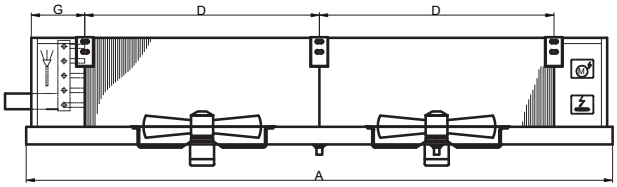




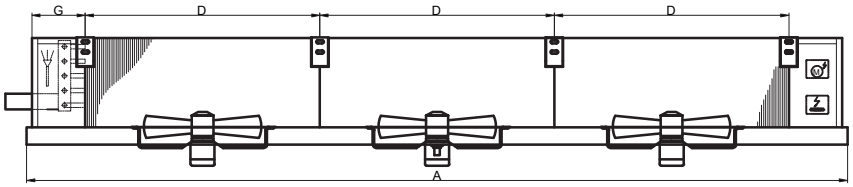




HED/D
4001/4501/5001/6301



HED/D
4002/4502/5002/6302



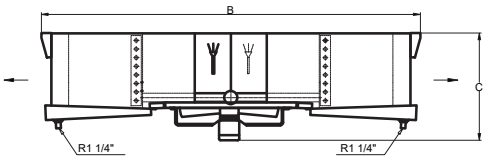
HED/D
4003/4503/5003/6303

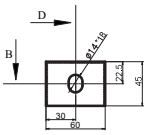
Model / Model	Dimensions / Dimensiones (mm)						
	A	B	C	D	E	F	G
HED 4001...	1000	1555	435	600	655	565	190
HED 4002...	1600	1555	435	600	1255	565	190
HED 4003...	2280	1555	435	600	1855	565	230
HED 4501...	1200	1555	450	800	855	565	190
HED 4502...	2000	1555	450	800	1655	565	190
HED 4503...	2880	1555	450	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

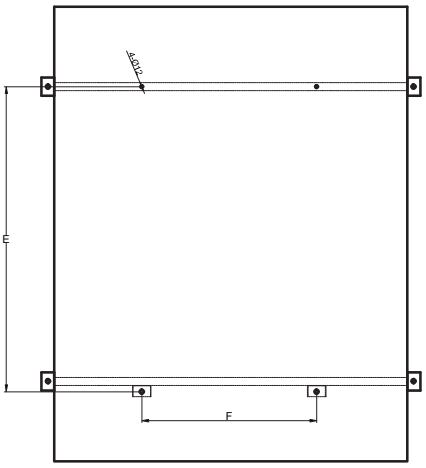
Dimensions for models with *.

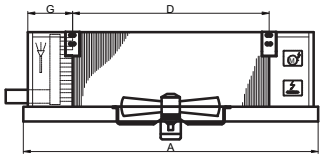
Dimensiones para modelos con *.

DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS
EVAPORADORES TIPO TECHO

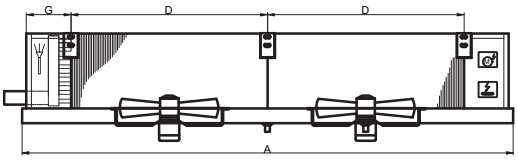




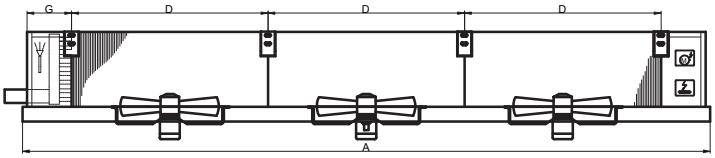




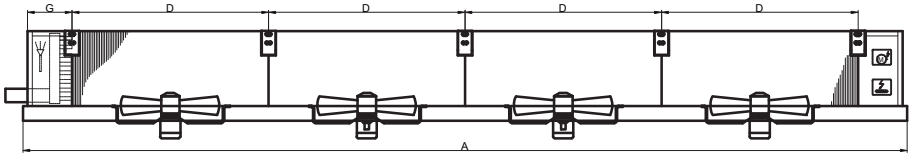
HED/D PLUS
4001/4501/5001/6301/8001



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