COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CÚBICOS COMERCIALES

HFC/HFO/(HCFC)*



COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CUBICOS COMERCIALES

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

The exchange coils used in the HEA range are highly efficient with special profile aluminum fins and internally grooved tubes, with a reduced internal volume to reduce the necessary refrigerant charge, meeting the needs of the different international regulations for the reduction of gases with high greenhouse effect. They are supplied clean and tested under a pressure of 30 bar.

The HEA range has models with 3 different fin pitch depending on the temperature of the cold room:

- HEA XXXX XX 4X: with 4 mm pitch, suitable for high temperatures in the cold room (Rt >=0ºC)
- HEA XXXX XX 6X: with 6 mm pitch, suitable for medium temperatures in the cold room(Rt >=-18ºC)
- HEA XXXX XX 9X: with 9 mm pitch, suitable for low temperatures in the cold room (Rt >=-35ºC)

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

- ø250, 300, 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.

HEA SERIES EVAPORATOR
EVAPORADORES SERIE HEA

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

Los serpentines de intercambio utilizados en la gama HEA son de alta eficiencia con aletas de aluminio de perfil especial y tubos ranurados interiormente, con un volumen interno reducido para disminuir la carga de refrigerante necesaria, cumpliendo las necesidades de las diferentes normativas internacionales para la disminución de los gases de alto efecto invernadero. Se suministran limpias y probadas a una presión de 30 bar.

La gama HEA dispone de modelos con 3 diferentes separaciones de aleta según la temperatura de la cámara:

- HEA XXXX XX 4X: con separación de 4 mm, aptos para altas temperaturas de cámara (Rt >=0ºC)
- HEA XXXX XX 6X: con separación de 6 mm, aptos para medias temperaturas de cámara (Rt >=-18ºC)
- HEA XXXX XX 9X: con separación de 9 mm, aptos para bajas temperaturas de cámara (Rt >=-35ºC)

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

-ø250, 300, 350, 400 mm: monofásicos 230V/1/50 Hz de rotor externo, con rejilla y grilla tipo K (embocadura corta). Temperatura de funcionamiento -40ºC a +40ºC.

-ø450 mm: three-phase 400V/3/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40ºC to +40ºC.

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

-ø630, 800 mm: three-phase 400V/3/50 Hz with external rotor, with ZN-type grille and nozzle (long mouth). Operating temperature -40ºC to +40ºC.

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

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

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

For performance at work points other than those in this catalog, use the “Unit Selector Hybrid HISPANIA” software.

For special applications and additional information consult our Technical Department.

-ø450 mm: trifásicos 400V/3/50 Hz de rotor externo, con rejilla y grilla tipo K (embocadura corta). Temperatura de funcionamiento -40ºC a +40ºC.

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

-ø630 y 800 mm: trifásicos 400V/3/50 Hz de rotor externo, con bafle y rejilla tipo ZN (embocadura larga). Temperatura de funcionamiento -40ºC a +40ºC.

La carcasa de aluminio pintado en blanco con polvo electrostático de 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 de aletas y en la bandeja de drenaje para evitar problemas de vapor y facilitar la sustitución.

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

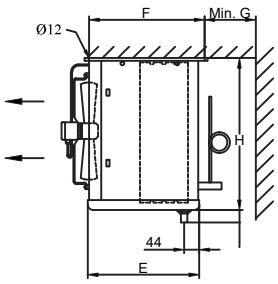
Para trabajos con distintos rendimientos a los de este catálogo utilice el software “Unit Selector Hybrid HISPANIA”.

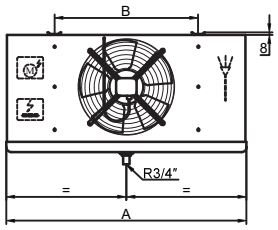
Para aplicaciones especiales e informaciones adicionales consultar a nuestro Departamento Técnico.

HEA G 2501 09 4D SS1 SS2 GF

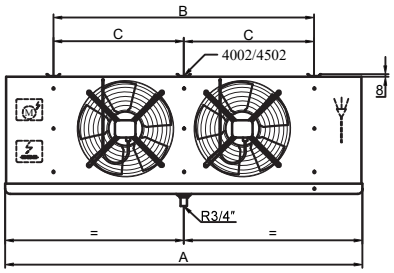
- Fin materials (blank: aluminum, GF: golden fins) / Materiales de las aletas (en blanco: aluminio, GF: aletas doradas)
- Casing materials (blank: aluminum, SS2: stainless steel) / Materiales de la carcasa (en blanco: aluminio, SS2: acero inoxidable)
- Tube materials (blank: copper, SS1: stainless steel)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

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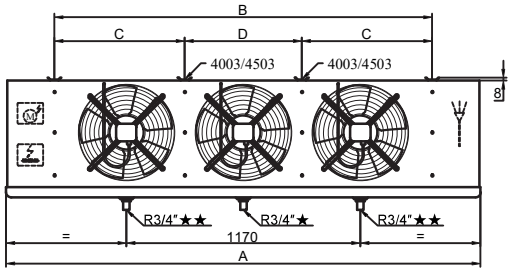




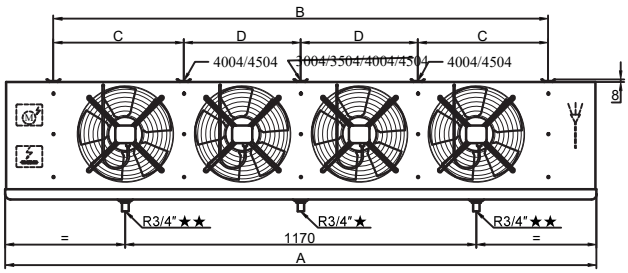
HEA
2501/3001/3501/4001/4501



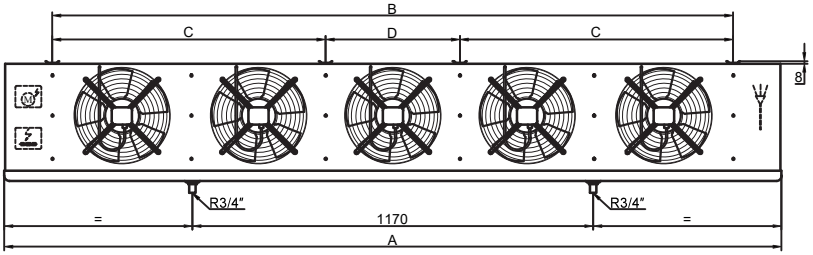
HEA
2502/3002/3502/4002/4502



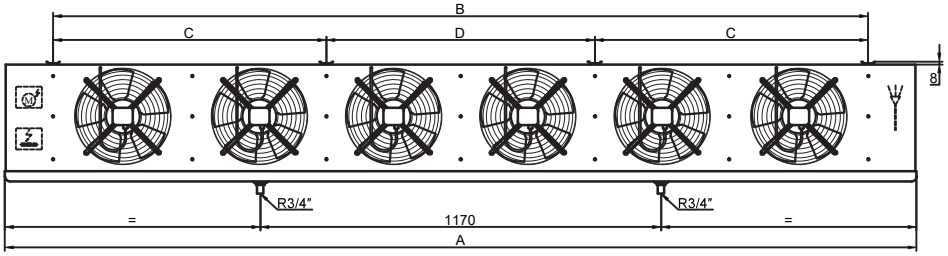
HEA
★2503/3003/3503/4003
★★4503



HEA
★2504/3004/3504
★★4004/4504



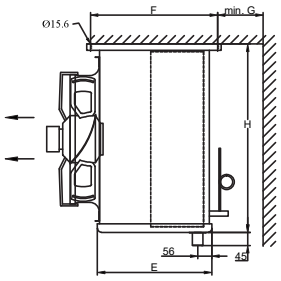
HEA
2505/3005/3505

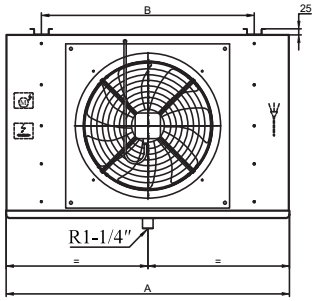


HEA
2506/3006/3506

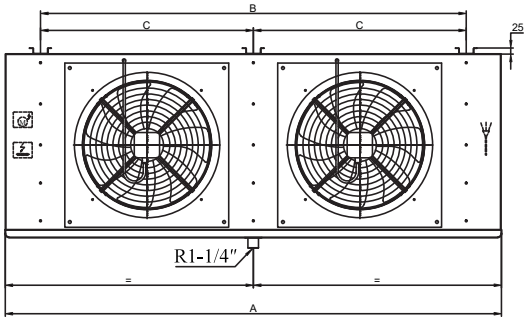
Model / Model	Dimensions / Dimensiones (mm)							
	A	B	C	D	E	F	G	H
HEA 2501…	702	420			325	375	200	350
HEA 2502...	1094	812			325	375	200	350
HEA 2503...	1486	1204			325	375	200	350
HEA 2504…	1878	1596	798		325	375	200	350
HEA 2505…	2270	1988	798	392	325	375	200	360
HEA 2506…	2662	2380	798	784	325	375	250	360
HEA 3001…	702	420			325	375	200	460
HEA 3002…	1094	812			325	375	200	460
HEA 3003…	1486	1204			325	375	250	460
HEA 3004…	1878	1596	798		325	375	250	460
HEA 3005…	2270	1988	798	392	325	375	300	470
HEA 3006…	2662	2380	798	784	325	375	300	470
HEA 3501...	702	420			455	507	200	460
HEA 3502...	1094	812			455	507	200	460
HEA 3503...	1486	1204			455	507	250	460
HEA 3504...	1878	1596	798		455	507	250	460
HEA 3505...	2270	1988	798	392	455	507	300	470
HEA 3506...	2662	2380	798	784	455	507	300	470
HEA 4001…	912	630			325	375	250	530
HEA 4002…	1486	1204	602		325	375	300	530
HEA 4003…	1878	1596	546	504	325	375	300	530
HEA 4004…	2662	2380	595	595	325	375	350	540
HEA 4501…	1094	812			325	375	300	600
HEA 4502…	1878	1596	798		325	375	300	600
HEA 4503…	2662	2380	798	784	325	375	350	610
HEA 4504…	3446	3164	798	784	325	375	350	610

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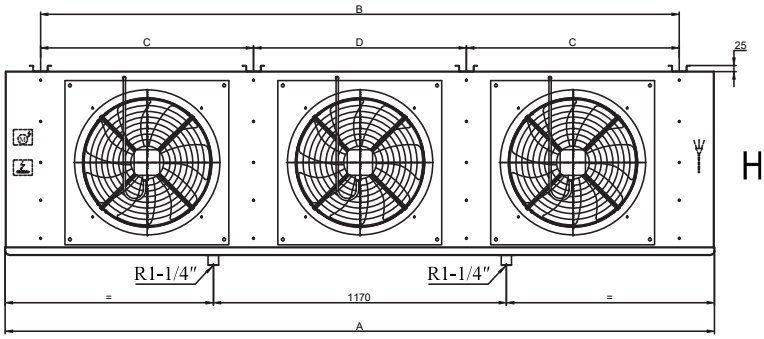




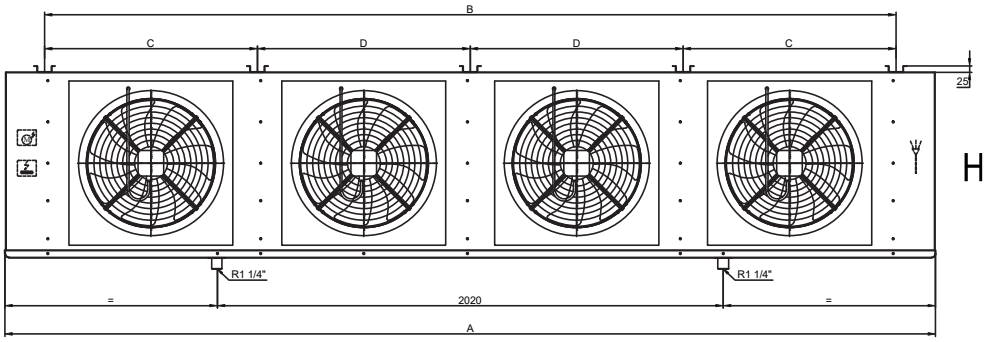
HEA 5001



HEA 5002



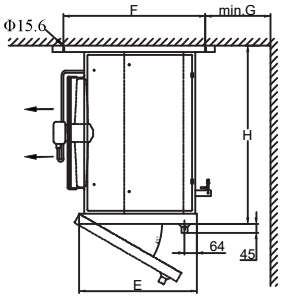
HEA 5003

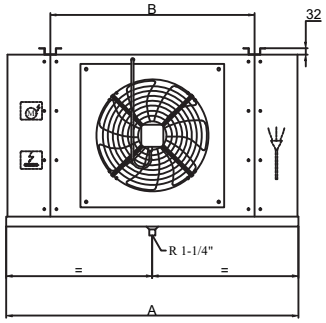


HEA 5004

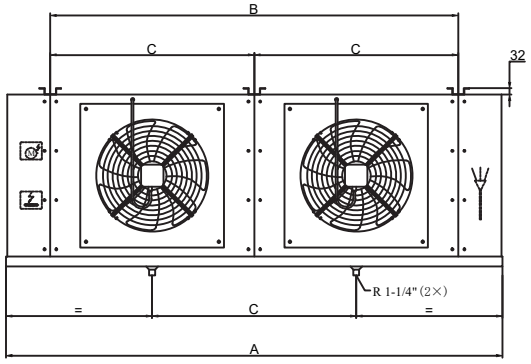
Model / Model	Dimensions / Dimensiones (mm)					
	A	B	C	D	E	F
HEA 5001...(4 rows)	1185	850		455	507	400
HEA 5001...(6 rows)	1185	850		455	507	400
HEA 5001...(8 rows)	1185	850		525	577	400
HEA 5002...(4 rows)	2035	1700	850	455	507	400
HEA 5002...(6 rows)	2035	1700	850	455	507	400
HEA 5002...(8 rows)	2035	1700	850	525	577	400
HEA 5003...(4 rows)	2885	2550	850	455	507	450
HEA 5003...(6 rows)	2885	2550	850	455	507	450
HEA 5003...(8 rows)	2885	2550	850	525	577	450
HEA 5004...(4 rows)	3735	3400	850	455	507	450
HEA 5004...(6 rows)	3735	3400	850	455	507	450
HEA 5004...(8 rows)	3735	3400	850	525	577	450

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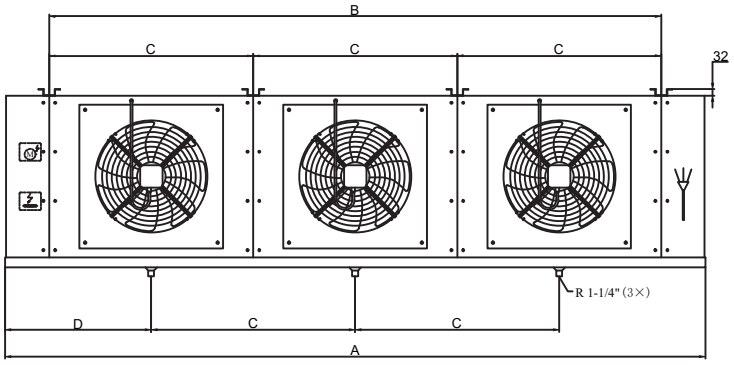




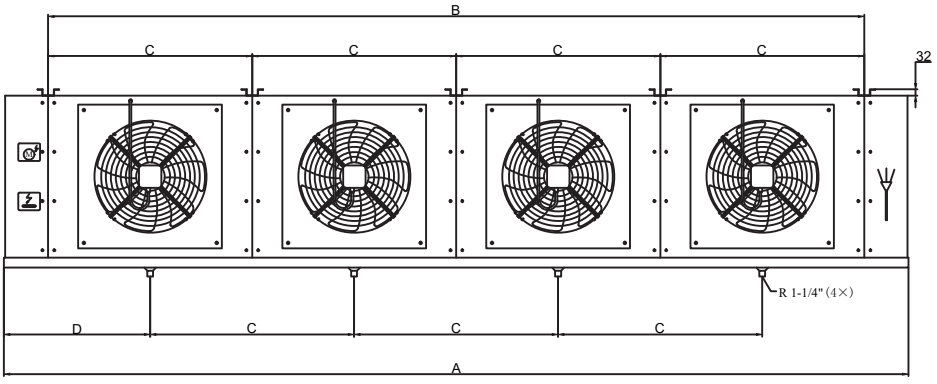
HEA
5501/6301/8001



HEA
5502/6302/8002



HEA
5503/6303/8003



HEA
5504/6304

Model / Model	Dimensions / Dimensiones (mm)							
	A	B	C	D	E	F	G	H
HEA 5501...(4 rows)	1500	1030			525	635	260	870
HEA 5501...(6 rows)	1500	1030			525	635	260	870
HEA 5501...(8 rows)	1500	1030			595	705	260	870
HEA 5502...(4 rows)	2530	2060	1030		525	635	380	870
HEA 5502...(6 rows)	2530	2060	1030		525	635	380	870
HEA 5502...(8 rows)	2530	2060	1030		595	705	380	870
HEA 5503...(4 rows)	3560	3090	1030	750	525	635	460	870
HEA 5503...(6 rows)	3560	3090	1030	750	525	635	460	870
HEA 5503...(8 rows)	3560	3090	1030	750	595	705	460	870
HEA 5504...(4 rows)	4590	4120	1030	750	525	635	500	870
HEA 5504...(6 rows)	4590	4120	1030	750	525	635	500	870
HEA 5504...(8 rows)	4590	4120	1030	750	595	705	500	870
HEA 6301...(4 rows)	1700	1230			555	665	310	1010
HEA 6301...(6 rows)	1700	1230			555	665	310	1010
HEA 6301...(8 rows)	1700	1230			625	735	310	1010
HEA 6302...(4 rows)	2930	2460	1230		555	665	440	1010
HEA 6302...(6 rows)	2930	2460	1230		555	665	440	1010
HEA 6302...(8 rows)	2930	2460	1230		625	735	440	1010
HEA 6303...(4 rows)	4160	3690	1230	850	555	665	530	1010
HEA 6303...(6 rows)	4160	3690	1230	850	555	665	530	1010
HEA 6303...(8 rows)	4160	3690	1230	850	625	735	530	1010
HEA 6304...(4 rows)	5390	4920	1230	850	555	665	580	1010
HEA 6304...(6 rows)	5390	4920	1230	850	555	665	580	1010
HEA 6304...(8 rows)	5390	4920	1230	850	625	735	580	1010
HEA 8001...(4 rows)	1900	1430			620	730	390	1360
HEA 8001...(6 rows)	1900	1430			620	730	390	1360
HEA 8001...(8 rows)	1900	1430			690	800	390	1360
HEA 8002...(4 rows)	3330	2860	1430		620	730	580	1360
HEA 8002...(6 rows)	3330	2860	1430		620	730	580	1360
HEA 8002...(8 rows)	3330	2860	1430		690	800	580	1360
HEA 8003...(4 rows)	4760	4290	1430	950	620	730	700	1360
HEA 8003...(6 rows)	4760	4290	1430	950	620	730	700	1360
HEA 8003...(8 rows)	4760	4290	1430	950	690	800	700	1360

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

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

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EVAPORADORES CÚBICOS COMERCIALES

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= -8ºC	t_e= -25ºC	t_e= -8ºC	t_e= -25ºC				Inlet/ Entrada	Outlet/ Salida
	DT1=8K	DT1=7K	DT1=8K	DT1=7K					
HEA 2501 09 4D	1.49	1.01	1.55	1.08	8.3	1.4	12	12	16
HEA 2502 17 4D	3.07	2.12	3.17	2.26	16.7	2.8	21	12	19
HEA 2503 26 4D	4.64	3.23	4.79	3.43	25.1	4.2	30	12	22
HEA 2504 35 4D	6.36	4.74	6.38	4.71	33.5	5.6	38	12	22
HEA 2505 41 4D	7.95	5.75	8.07	5.89	41.8	7.0	47	15	28
HEA 2506 52 4D	9.39	6.58	9.65	6.96	50.2	8.5	56	15	28
HEA 3001 12 4D	2.35	1.74	2.39	1.76	11.1	1.9	15	12	19
HEA 3002 23 4D	4.78	3.55	4.83	3.58	22.3	3.8	25	12	22
HEA 3003 35 4D	7.20	5.37	7.27	5.40	33.5	5.6	36	12	22
HEA 3004 46 4D	9.50	6.70	9.75	7.05	44.6	7.5	47	15	28
HEA 3005 56 4D	11.98	8.58	12.23	8.94	55.8	9.4	58	15	28
HEA 3006 69 4D	14.06	9.69	14.55	10.34	67.0	11.3	68	15	28
HEA 3501 14 4D	3.29	2.53	3.31	2.52	13.9	2.3	18	12	19
HEA 3502 27 4D	6.65	5.16	6.68	5.12	27.9	4.7	33	12	22
HEA 3503 41 4D	9.94	7.13	10.22	7.54	41.8	7.0	47	15	22
HEA 3504 55 4D	13.48	10.15	13.64	10.42	55.8	9.4	62	15	28
HEA 3505 70 4D	16.69	12.03	17.13	12.68	69.7	11.7	76	15	35
HEA 3506 83 4D	19.43	13.41	20.27	14.33	83.7	14.1	91	15	35
HEA 4001 20 4D	5.02	3.78	5.07	3.86	19.9	3.4	24	12	19
HEA 4002 40 4D	9.99	7.43	10.14	7.68	39.0	6.6	42	12	22
HEA 4003 54 4D	13.41	9.39	13.92	10.11	52.1	8.8	57	15	28
HEA 4004 81 4D	20.10	15.01	20.35	15.48	78.1	13.2	80	15	35
HEA 4501 31 4D	7.79	5.35	8.15	5.84	29.7	5.0	31	12	22
HEA 4502 61 4D	15.89	11.03	16.54	11.81	59.5	10.0	57	15	28
HEA 4503 92 4D	24.70	18.40	25.07	19.06	89.3	15.0	82	15	35
HEA 4504 119 4D	32.10	22.41	33.35	23.92	119.1	20.0	107	22	42
HEA 5001 39 4D	10.16	6.94	10.68	7.54	37.8	6.4	52	15	28
HEA 5001 58 4D	13.66	10.46	13.75	10.43	56.6	9.5	61	15	28
*HEA 5001 76 4D	15.17	10.64	15.63	11.30	75.5	12.7	62	22	35
HEA 5002 81 4D	21.10	14.45	22.12	15.62	78.1	13.2	95	22	35
HEA 5002 121 4D	28.29	20.88	28.70	21.52	117.2	19.7	115	22	35
*HEA 5002 156 4D	31.37	22.10	32.28	23.41	156.2	26.3	125	28	54
HEA 5003 122 4D	33.70	24.76	34.39	25.90	119.7	20.1	140	28	42
HEA 5003 183 4D	40.54	27.26	42.60	29.52	179.5	30.2	169	28	42
*HEA 5003 237 4D	48.58	36.11	49.11	36.40	237.0	39.9	191	28	76
HEA 5004 159 4D	43.00	29.49	45.02	31.84	158.9	26.7	162	28	54
HEA 5004 238 4D	55.79	38.75	57.83	41.47	238.3	40.1	208	28	67
*HEA 5004 318 4D	63.81	45.04	65.58	47.65	317.7	53.5	252	35	76

* The coil has 8 rows.

* La bobina tiene 8 filas.

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)
HEA 2501 09 4D	250	1	1 ~ 230	50	0.2	777	4	2 × 440	1 × 440	1320
HEA 2502 17 4D	250	2	1 ~ 230	100	0.5	1554	5	2 × 730	1 × 730	2190
HEA 2503 26 4D	250	3	1 ~ 230	150	0.7	2332	6	2 × 1030	1 × 1030	3090
HEA 2504 35 4D	250	4	1 ~ 230	200	0.9	3112	7	2 × 1310	1 × 1310	3930
HEA 2505 41 4D	250	5	1 ~ 230	250	1.2	3889	8	2 × 1600	1 × 1600	4800
HEA 2506 52 4D	250	6	1 ~ 230	300	1.4	4666	10	2 × 1890	1 × 1890	5670
HEA 3001 12 4D	300	1	1 ~ 230	72	0.3	1288	6	3 × 440	1 × 440	1760
HEA 3002 23 4D	300	2	1 ~ 230	144	0.6	2577	7	3 × 730	1 × 730	2920
HEA 3003 35 4D	300	3	1 ~ 230	216	1.0	3867	9	3 × 1030	1 × 1030	4120
HEA 3004 46 4D	300	4	1 ~ 230	288	1.3	5155	10	3 × 1310	1 × 1310	5240
HEA 3005 56 4D	300	5	1 ~ 230	360	1.6	6444	13	3 × 1600	1 × 1600	6400
HEA 3006 69 4D	300	6	1 ~ 230	432	1.9	7732	15	3 × 1890	1 × 1890	7560
HEA 3501 14 4D	350	1	1 ~ 230	130	0.6	1759	10	4 × 440	2 × 440	2640
HEA 3502 27 4D	350	2	1 ~ 230	260	1.2	3524	13	4 × 730	2 × 730	4380
HEA 3503 41 4D	350	3	1 ~ 230	390	1.7	5282	16	4 × 1030	2 × 1030	6180
HEA 3504 55 4D	350	4	1 ~ 230	520	2.3	7050	19	4 × 1310	2 × 1310	7860
HEA 3505 70 4D	350	5	1 ~ 230	650	2.9	8808	21	4 × 1600	2 × 1600	9600
HEA 3506 83 4D	350	6	1 ~ 230	780	3.5	10566	23	4 × 1890	2 × 1890	11340
HEA 4001 20 4D	400	1	1 ~ 230	160	0.7	3139	11	4 × 550	1 × 550	2750
HEA 4002 40 4D	400	2	1 ~ 230	320	1.5	6217	13	4 × 1030	1 × 1030	5150
HEA 4003 54 4D	400	3	1 ~ 230	480	2.2	8824	16	4 × 1310	1 × 1310	6550
HEA 4004 81 4D	400	4	1 ~ 230	640	2.9	12439	19	4 × 1890	1 × 1890	9450
HEA 4501 31 4D	450	1	3 ~ 400	460	1.0	5458	15	4 × 730	1 × 730	3650
HEA 4502 61 4D	450	2	3 ~ 400	920	1.9	10920	18	4 × 1310	1 × 1310	6550
HEA 4503 92 4D	450	3	3 ~ 400	1380	2.9	16391	21	4 × 1890	1 × 1890	9450
HEA 4504 119 4D	450	4	3 ~ 400	1840	3.8	21845	23	4 × 2470	1 × 2470	12350
HEA 5001 39 4D	500	1	3 ~ 400	820	1.6	7457	20	6 × 730	1 × 730	5110
HEA 5001 58 4D	500	1	3 ~ 400	820	1.6	6678	17	7 × 730	2 × 730	6570
HEA 5001 76 4D	500	1	3 ~ 400	820	1.6	6088	14	8 × 730	2 × 730	7300
HEA 5002 81 4D	500	2	3 ~ 400	1640	3.2	15106	24	6 × 1400	1 × 1400	9800
HEA 5002 121 4D	500	2	3 ~ 400	1640	3.2	13570	20	7 × 1400	2 × 1400	12600
HEA 5002 156 4D	500	2	3 ~ 400	1640	3.2	12410	16	8 × 1400	2 × 1400	14000
HEA 5003 122 4D	500	3	3 ~ 400	2460	4.8	22842	29	6 × 2050	1 × 2050	14350
HEA 5003 183 4D	500	3	3 ~ 400	2460	4.8	20547	24	7 × 2050	2 × 2050	18450
HEA 5003 237 4D	500	3	3 ~ 400	2460	4.8	18735	19	8 × 2050	2 × 2050	20500
HEA 5004 159 4D	500	4	3 ~ 400	3280	6.4	30391	34	6 × 3390	1 × 3390	23730
HEA 5004 238 4D	500	4	3 ~ 400	3280	6.4	27341	29	7 × 3390	2 × 3390	30510
HEA 5004 318 4D	500	4	3 ~ 400	3280	6.4	25047	24	8 × 3390	2 × 3390	33900

COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CÚBICOS COMERCIALES

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)	Bobina Filas Coil Rows	N.W/ Peso Neto (kg)	Connection/ Conexión (ø mm)	
	t_e= -8ºC	t_e= -25ºC	t_e= -8ºC	t_e= -25ºC					Inlet/ Entrada	Outlet/ Salida
	DT1=8K	DT1=7K	DT1=8K	DT1=7K						
HEA 5501 51 4D	12.72	9.72	12.79	9.67	50.9	8.6	4	67	15	42
HEA 5501 76 4D	16.36	11.56	16.77	12.12	76.4	12.9	6	83	22	42
HEA 5501 102 4D	18.64	13.94	17.95	13.57	101.9	17.1	8	134	22	54
HEA 5502 105 4D	26.02	19.86	26.14	19.78	104.7	17.6	4	162	28	54
HEA 5502 157 4D	33.53	23.68	34.29	24.79	157.1	26.4	6	201	28	54
HEA 5502 210 4D	36.46	24.93	37.90	26.81	209.5	35.3	8	244	28	54
HEA 5503 159 4D	39.04	27.51	40.17	29.09	158.6	26.7	4	265	28	54
HEA 5503 238 4D	50.68	35.82	51.80	37.48	237.8	40.0	6	323	28	67
HEA 5503 317 4D	57.62	41.65	58.56	42.67	317.1	53.4	8	97	2×28	2×54
HEA 5504 212 4D	52.62	40.12	52.85	40.00	212.4	35.7	4	117	2×28	2×54
HEA 5504 319 4D	64.12	42.67	67.24	46.58	318.5	53.6	6	189	35	67
HEA 5504 425 4D	73.90	50.65	76.73	54.41	424.7	71.5	8	231	2×28	2×54
HEA 6301 73 4D	18.68	13.78	18.94	14.24	72.5	12.2	4	283	22	42
HEA 6301 109 4D	23.78	18.24	22.98	17.59	108.8	18.3	6	342	28	67
HEA 6301 145 4D	27.65	20.48	27.81	20.28	145.1	24.4	8	374	28	67
HEA 6302 149 4D	38.07	28.10	38.60	29.01	148.5	25.0	4	454	28	67
HEA 6302 223 4D	47.30	32.18	49.17	34.62	222.7	37.5	6	151	28	67
HEA 6302 297 4D	56.27	41.74	56.65	41.28	297.0	50.0	8	186	2×28	2×67
HEA 6303 224 4D	56.53	43.80	56.53	42.91	224.4	37.8	4	290	2×28	2×67
HEA 6303 337 4D	71.48	48.67	74.26	52.34	336.6	56.7	6	364	35	76
HEA 6303 449 4D	82.58	57.50	85.10	60.99	448.8	75.6	8	430	2×28	2×67
HEA 6304 300 4D	76.89	56.74	77.91	58.53	300.4	50.6	4	539	2×28	2×67
HEA 6304 451 4D	86.41	-	92.77	61.00	450.5	75.8	6	52	35	76
HEA 6304 601 4D	101.75	66.30	107.91	73.52	600.7	101.1	8	104	2×28	2×67
HEA 8001 118 4D	30.14	22.84	30.34	23.12	117.5	19.8	4	153	28	67
HEA 8001 176 4D	38.86	29.30	39.03	28.97	176.3	29.7	6	205	28	76
HEA 8001 235 4D	44.14	32.40	44.81	32.57	235.1	39.6	8	73	28	76
HEA 8002 240 4D	61.12	43.83	62.59	46.02	239.8	40.4	4	147	35	76
HEA 8002 360 4D	79.07	56.72	80.49	58.87	359.7	60.5	6	220	2×28	2×67
HEA 8002 480 4D	89.78	66.05	90.94	66.47	479.6	80.7	8	290	2×28	2×76
HEA 8003 362 4D	92.47	70.01	93.03	70.94	362.0	60.9	4	115	2×28	2×76
HEA 8003 543 4D	110.20	72.40	116.32	79.00	543.0	91.4	6	225	2×28	2×67
HEA 8003 724 4D	127.55	86.43	133.16	93.71	724.1	121.9	8	333	2×35	2×76

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)
HEA 5501 51 4D	550	1	3 ~ 400	770	1.7	7871	16	4 × 1280	1 × 1280	6400
HEA 5501 76 4D	550	1	3 ~ 400	770	1.7	7399	15	6 × 1280	2 × 1280	10240
HEA 5501 102 4D	550	1	3 ~ 400	770	1.7	6904	14	8 × 1280	2 × 1280	12800
HEA 5502 105 4D	550	2	3 ~ 400	1540	3.3	15829	19	4 × 2320	1 × 2320	11600
HEA 5502 157 4D	550	2	3 ~ 400	1540	3.3	14936	18	6 × 2320	2 × 2320	18560
HEA 5502 210 4D	550	2	3 ~ 400	1540	3.3	13965	17	8 × 2320	2 × 2320	23200
HEA 5503 159 4D	550	3	3 ~ 400	2310	5.0	23776	22	4 × 3200	1 × 3200	16000
HEA 5503 238 4D	550	3	3 ~ 400	2310	5.0	22457	21	6 × 3200	2 × 3200	25600
HEA 5503 317 4D	550	3	3 ~ 400	2310	5.0	21031	20	8 × 3200	2 × 3200	32000
HEA 5504 212 4D	550	4	3 ~ 400	3080	6.6	31743	28	4 × 4260	1 × 4260	21300
HEA 5504 319 4D	550	4	3 ~ 400	3080	6.6	29974	26	6 × 4260	2 × 4260	34080
HEA 5504 425 4D	550	4	3 ~ 400	3080	6.6	28089	24	8 × 4260	2 × 4260	42600
HEA 6301 73 4D	630	1	3 ~ 400	1100	2.2	11682	19	5 × 1510	1 × 1510	9060
HEA 6301 109 4D	630	1	3 ~ 400	1100	2.2	10965	18	7 × 1510	2 × 1510	13590
HEA 6301 145 4D	630	1	3 ~ 400	1100	2.2	10334	17	9 × 1510	2 × 1510	16610
HEA 6302 149 4D	630	2	3 ~ 400	2200	4.4	23475	22	5 × 2740	1 × 2740	16440
HEA 6302 223 4D	630	2	3 ~ 400	2200	4.4	22069	21	7 × 2740	2 × 2740	24660
HEA 6302 297 4D	630	2	3 ~ 400	2200	4.4	20842	20	9 × 2740	2 × 2740	30140
HEA 6303 224 4D	630	3	3 ~ 400	3300	6.6	35279	28	5 × 3800	1 × 3800	22800
HEA 6303 337 4D	630	3	3 ~ 400	3300	6.6	33179	26	7 × 3800	2 × 3800	34200
HEA 6303 449 4D	630	3	3 ~ 400	3300	6.6	31339	24	9 × 3800	2 × 3800	41800
HEA 6304 300 4D	630	4	3 ~ 400	4400	8.8	47056	33	5 × 5060	1 × 5060	30360
HEA 6304 451 4D	630	4	3 ~ 400	4400	8.8	44282	31	7 × 5060	2 × 5060	45540
HEA 6304 601 4D	630	4	3 ~ 400	4400	8.8	41837	29	9 × 5060	2 × 5060	55660
HEA 8001 118 4D	800	1	3 ~ 400	1600	3.5	18865	25	7 × 1700	1 × 1700	13600
HEA 8001 176 4D	800	1	3 ~ 400	1600	3.5	17635	23	10 × 1700	2 × 1700	20400
HEA 8001 235 4D	800	1	3 ~ 400	1600	3.5	16392	21	16 × 1700	2 × 1700	30600
HEA 8002 240 4D	800	2	3 ~ 400	3200	7.0	37904	29	7 × 2810	1 × 2810	22480
HEA 8002 360 4D	800	2	3 ~ 400	3200	7.0	35479	27	10 × 2810	2 × 2810	33720
HEA 8002 480 4D	800	2	3 ~ 400	3200	7.0	33087	25	16 × 2810	2 × 2810	50580
HEA 8003 362 4D	800	3	3 ~ 400	4800	10.5	56974	34	7 × 4420	1 × 4420	35360
HEA 8003 543 4D	800	3	3 ~ 400	4800	10.5	53304	32	10 × 4420	2 × 4420	53040
HEA 8003 724 4D	800	3	3 ~ 400	4800	10.5	49767	30	16 × 4420	2 × 4420	79560

COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CÚBICOS COMERCIALES

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					
HEA 2501 06 6D	1.31	0.92	1.35	0.95	5.7	1.4	12	12	16
HEA 2502 11 6D	2.67	1.90	2.74	1.95	11.5	2.8	20	12	19
HEA 2503 17 6D	4.04	2.86	4.14	2.96	17.3	4.2	29	12	22
HEA 2504 23 6D	5.42	4.04	5.29	3.94	23.0	5.6	37	12	22
HEA 2505 29 6D	6.84	5.01	6.92	5.01	28.8	7.0	45	15	28
HEA 2506 35 6D	8.15	5.80	8.32	5.99	34.5	8.5	54	15	28
HEA 3001 08 6D	2.00	1.48	2.00	1.47	7.6	1.9	14	12	19
HEA 3002 15 6D	4.05	3.02	4.03	2.98	15.3	3.8	25	12	22
HEA 3003 23 6D	6.09	4.56	6.07	4.49	23.0	5.6	35	12	22
HEA 3004 31 6D	8.16	5.83	8.31	6.02	30.7	7.5	45	15	28
HEA 3005 38 6D	10.24	7.45	10.39	7.58	38.4	9.4	55	15	28
HEA 3006 46 6D	12.16	8.52	12.47	8.97	46.1	11.3	66	15	28
HEA 3501 10 6D	2.87	2.23	2.82	2.16	9.6	2.3	18	12	19
HEA 3502 19 6D	5.80	4.51	5.69	4.38	19.2	4.7	32	12	22
HEA 3503 28 6D	8.83	6.40	9.02	6.69	28.8	7.0	46	15	22
HEA 3504 38 6D	11.83	9.00	11.94	9.03	38.4	9.4	60	15	28
HEA 3505 48 6D	14.81	10.78	15.11	11.24	48.0	11.7	74	15	35
HEA 3506 57 6D	17.43	12.21	18.03	13.02	57.6	14.1	88	15	35
HEA 4001 13 6D	4.24	3.22	4.25	3.18	13.7	3.4	23	12	19
HEA 4002 27 6D	8.47	6.36	8.55	6.40	26.8	6.6	41	12	22
HEA 4003 36 6D	11.63	8.25	11.96	8.72	35.8	8.8	55	15	28
HEA 4004 54 6D	17.00	12.82	17.16	12.87	53.7	13.2	78	15	35
HEA 4501 20 6D	6.73	4.71	6.96	5.02	20.4	5.0	30	12	22
HEA 4502 41 6D	13.67	9.66	14.09	10.23	40.9	10.0	54	15	28
HEA 4503 61 6D	20.81	15.61	21.02	15.91	61.4	15.0	79	15	35
HEA 4504 82 6D	27.57	19.56	28.34	20.65	81.9	20.0	103	22	42
HEA 5001 26 6D	8.84	6.15	9.18	6.60	26.0	6.4	51	15	28
HEA 5001 39 6D	11.90	9.15	11.75	8.93	39.0	9.5	59	15	28
*HEA 5001 52 6D	13.95	9.87	14.30	10.31	51.9	12.7	59	22	35
HEA 5002 54 6D	18.29	12.76	18.96	13.64	53.7	13.2	93	22	35
HEA 5002 81 6D	24.83	18.57	25.16	18.77	80.6	19.7	110	22	35
*HEA 5002 108 6D	28.82	20.47	29.50	21.37	107.5	26.3	120	28	54
HEA 5003 82 6D	28.55	21.16	28.95	21.84	82.3	20.1	135	28	42
HEA 5003 122 6D	36.53	24.97	38.01	26.85	123.5	30.2	162	28	42
*HEA 5003 163 6D	44.02	32.85	44.37	32.76	163.0	39.9	182	28	76
HEA 5004 109 6D	37.22	26.00	38.53	27.74	109.3	26.7	156	28	54
HEA 5004 164 6D	49.76	35.05	51.19	37.00	163.9	40.1	199	28	67
*HEA 5004 219 6D	58.57	41.70	59.91	43.69	218.5	53.5	240	35	76

* The coil has 8 rows.

* La bobina tiene 8 filas.

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)
HEA 2501 06 6D	250	1	1 ~ 230	50	0.2	822	4	2 × 440	1 × 440	1320
HEA 2502 11 6D	250	2	1 ~ 230	100	0.5	1646	5	2 × 730	1 × 730	2190
HEA 2503 17 6D	250	3	1 ~ 230	150	0.7	2469	6	2 × 1030	1 × 1030	3090
HEA 2504 23 6D	250	4	1 ~ 230	200	0.9	3295	7	2 × 1310	1 × 1310	3930
HEA 2505 29 6D	250	5	1 ~ 230	250	1.2	4117	8	2 × 1600	1 × 1600	4800
HEA 2506 35 6D	250	6	1 ~ 230	300	1.4	4940	10	2 × 1890	1 × 1890	5670
HEA 3001 08 6D	300	1	1 ~ 230	72	0.3	1350	6	3 × 440	1 × 440	1760
HEA 3002 15 6D	300	2	1 ~ 230	144	0.6	2702	7	3 × 730	1 × 730	2920
HEA 3003 23 6D	300	3	1 ~ 230	216	1.0	4054	9	3 × 1030	1 × 1030	4120
HEA 3004 31 6D	300	4	1 ~ 230	288	1.3	5404	11	3 × 1310	1 × 1310	5240
HEA 3005 38 6D	300	5	1 ~ 230	360	1.6	6756	13	3 × 1600	1 × 1600	6400
HEA 3006 46 6D	300	6	1 ~ 230	432	1.9	8105	15	3 × 1890	1 × 1890	7560
HEA 3501 10 6D	350	1	1 ~ 230	130	0.6	1920	10	4 × 440	2 × 440	2640
HEA 3502 19 6D	350	2	1 ~ 230	260	1.2	3846	14	4 × 730	2 × 730	4380
HEA 3503 28 6D	350	3	1 ~ 230	390	1.7	5762	16	4 × 1030	2 × 1030	6180
HEA 3504 38 6D	350	4	1 ~ 230	520	2.3	7691	20	4 × 1310	2 × 1310	7860
HEA 3505 48 6D	350	5	1 ~ 230	650	2.9	9608	22	4 × 1600	2 × 1600	9600
HEA 3506 57 6D	350	6	1 ~ 230	780	3.5	11525	24	4 × 1890	2 × 1890	11340
HEA 4001 13 6D	400	1	1 ~ 230	160	0.7	3294	11	4 × 550	1 × 550	2750
HEA 4002 27 6D	400	2	1 ~ 230	320	1.5	6536	14	4 × 1030	1 × 1030	5150
HEA 4003 36 6D	400	3	1 ~ 230	480	2.2	9370	16	4 × 1310	1 × 1310	6550
HEA 4004 54 6D	400	4	1 ~ 230	640	2.9	13074	19	4 × 1890	1 × 1890	9450
HEA 4501 20 6D	450	1	3 ~ 400	460	1.0	5686	15	4 × 730	1 × 730	3650
HEA 4502 41 6D	450	2	3 ~ 400	920	1.9	11375	18	4 × 1310	1 × 1310	6550
HEA 4503 61 6D	450	3	3 ~ 400	1380	2.9	17074	22	4 × 1890	1 × 1890	9450
HEA 4504 82 6D	450	4	3 ~ 400	1840	3.8	22753	24	4 × 2470	1 × 2470	12350
HEA 5001 26 6D	500	1	3 ~ 400	820	1.6	7809	24	6 × 730	1 × 730	5110
HEA 5001 39 6D	500	1	3 ~ 400	820	1.6	7095	21	7 × 730	2 × 730	6570
HEA 5001 52 6D	500	1	3 ~ 400	820	1.6	6521	18	8 × 730	2 × 730	7300
HEA 5002 54 6D	500	2	3 ~ 400	1640	3.2	15791	24	6 × 1400	1 × 1400	9800
HEA 5002 81 6D	500	2	3 ~ 400	1640	3.2	14395	20	7 × 1400	2 × 1400	12600
HEA 5002 108 6D	500	2	3 ~ 400	1640	3.2	13265	16	8 × 1400	2 × 1400	14000
HEA 5003 82 6D	500	3	3 ~ 400	2460	4.8	23858	29	6 × 2050	1 × 2050	14350
HEA 5003 122 6D	500	3	3 ~ 400	2460	4.8	21773	24	7 × 2050	2 × 2050	18450
HEA 5003 163 6D	500	3	3 ~ 400	2460	4.8	20014	19	8 × 2050	2 × 2050	20500
HEA 5004 109 6D	500	4	3 ~ 400	3280	6.4	31748	34	6 × 3390	1 × 3390	23730
HEA 5004 164 6D	500	4	3 ~ 400	3280	6.4	28980	29	7 × 3390	2 × 3390	30510
HEA 5004 219 6D	500	4	3 ~ 400	3280	6.4	26745	24	8 × 3390	2 × 3390	33900

COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CÚBICOS COMERCIALES

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)	Bobina Filas Coil Rows	N.W/ Peso Neto (kg)	Connection/ Conexión (ø mm)	
	t_e= -8ºC	t_e= -25ºC	t_e= -8ºC	t_e= -25ºC					Inlet/ Entrada	Outlet/ Salida
	DT1=8K	DT1=7K	DT1=8K	DT1=7K						
HEA 5501 35 6D	10.56	8.07	10.33	7.81	35.0	8.6	4	64	15	42
HEA 5501 53 6D	14.34	10.32	14.60	10.56	52.6	12.9	6	79	22	42
HEA 5501 70 6D	16.68	12.41	15.70	12.00	70.1	17.1	8	128	22	54
HEA 5502 72 6D	21.58	16.46	21.21	15.97	72.0	17.6	4	154	28	54
HEA 5502 108 6D	29.33	20.96	29.82	21.58	108.1	26.4	6	192	28	54
HEA 5502 144 6D	33.65	23.22	34.76	24.71	144.1	35.3	8	232	28	54
HEA 5503 109 6D	33.07	23.61	33.74	24.57	109.1	26.7	4	253	28	54
HEA 5503 164 6D	44.32	31.69	45.05	32.60	163.6	40.0	6	307	28	67
HEA 5503 218 6D	52.37	38.15	53.11	38.14	218.1	53.4	8	93	2×28	2×54
HEA 5504 146 6D	43.62	33.25	42.97	32.30	146.1	35.7	4	111	2×28	2×54
HEA 5504 219 6D	57.22	38.83	59.42	41.71	219.1	53.6	6	180	35	67
HEA 5504 292 6D	68.16	47.13	70.34	50.06	292.1	71.5	8	220	2×28	2×54
HEA 6301 50 6D	15.61	11.64	15.77	11.68	49.9	12.2	4	270	22	42
HEA 6301 75 6D	20.39	15.45	19.05	14.76	74.8	18.3	6	325	28	67
HEA 6301 100 6D	24.74	18.31	24.43	18.02	99.8	24.4	8	357	28	67
HEA 6302 102 6D	31.80	23.69	32.11	23.80	102.1	25.0	4	431	28	67
HEA 6302 153 6D	41.93	28.99	43.22	30.75	153.2	37.5	6	145	28	67
HEA 6302 204 6D	50.36	37.36	49.83	36.66	204.3	50.0	8	177	2×28	2×67
HEA 6303 154 6D	46.66	35.98	44.74	34.33	154.4	37.8	4	276	2×28	2×67
HEA 6303 232 6D	63.32	43.84	65.24	46.47	231.5	56.7	6	346	35	76
HEA 6303 309 6D	75.30	52.97	77.15	55.34	308.7	75.6	8	409	2×28	2×67
HEA 6304 207 6D	64.19	47.79	64.78	48.03	206.6	50.6	4	511	2×28	2×67
HEA 6304 310 6D	78.47	50.86	83.23	55.46	309.9	75.8	6	50	35	76
HEA 6304 413 6D	94.51	62.57	99.38	68.50	413.2	101.1	8	100	2×28	2×67
HEA 8001 81 6D	25.12	19.13	25.07	18.75	80.8	19.8	4	147	28	67
HEA 8001 121 6D	33.48	25.31	32.66	24.57	121.3	29.7	6	197	28	76
HEA 8001 162 6D	40.10	29.37	40.56	29.31	161.7	39.6	8	70	28	76
HEA 8002 165 6D	51.68	37.42	52.53	38.60	164.9	40.4	4	141	35	76
HEA 8002 247 6D	68.94	50.30	69.84	51.07	247.4	60.5	6	211	2×28	2×67
HEA 8002 330 6D	81.48	59.74	82.37	59.50	329.9	80.7	8	278	2×28	2×76
HEA 8003 249 6D	76.99	58.52	77.13	57.49	249.0	60.9	4	110	2×28	2×76
HEA 8003 374 6D	98.85	66.35	103.23	71.94	373.5	91.4	6	215	2×28	2×67
HEA 8003 498 6D	118.14	80.72	122.53	86.49	498.0	121.9	8	320	2×35	2×76

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)
HEA 5501 35 6D	550	1	3 ~ 400	770	1.7	8074	17	4 × 1280	1 × 1280	6400
HEA 5501 53 6D	550	1	3 ~ 400	770	1.7	7663	16	6 × 1280	2 × 1280	10240
HEA 5501 70 6D	550	1	3 ~ 400	770	1.7	7276	15	8 × 1280	2 × 1280	12800
HEA 5502 72 6D	550	2	3 ~ 400	1540	3.3	16230	20	4 × 2320	1 × 2320	11600
HEA 5502 108 6D	550	2	3 ~ 400	1540	3.3	15424	19	6 × 2320	2 × 2320	18560
HEA 5502 144 6D	550	2	3 ~ 400	1540	3.3	14695	18	8 × 2320	2 × 2320	23200
HEA 5503 109 6D	550	3	3 ~ 400	2310	5.0	24373	23	4 × 3200	1 × 3200	16000
HEA 5503 164 6D	550	3	3 ~ 400	2310	5.0	23184	22	6 × 3200	2 × 3200	25600
HEA 5503 218 6D	550	3	3 ~ 400	2310	5.0	22123	21	8 × 3200	2 × 3200	32000
HEA 5504 146 6D	550	4	3 ~ 400	3080	6.6	32538	27	4 × 4260	1 × 4260	21300
HEA 5504 219 6D	550	4	3 ~ 400	3080	6.6	30938	26	6 × 4260	2 × 4260	34080
HEA 5504 292 6D	550	4	3 ~ 400	3080	6.6	29542	25	8 × 4260	2 × 4260	42600
HEA 6301 50 6D	630	1	3 ~ 400	1100	2.2	11978	20	5 × 1510	1 × 1510	9060
HEA 6301 75 6D	630	1	3 ~ 400	1100	2.2	11369	19	7 × 1510	2 × 1510	13590
HEA 6301 100 6D	630	1	3 ~ 400	1100	2.2	10803	18	9 × 1510	2 × 1510	16610
HEA 6302 102 6D	630	2	3 ~ 400	2200	4.4	24044	23	5 × 2740	1 × 2740	16440
HEA 6302 153 6D	630	2	3 ~ 400	2200	4.4	22848	22	7 × 2740	2 × 2740	24660
HEA 6302 204 6D	630	2	3 ~ 400	2200	4.4	21766	21	9 × 2740	2 × 2740	30140
HEA 6303 154 6D	630	3	3 ~ 400	3300	6.6	36112	27	5 × 3800	1 × 3800	22800
HEA 6303 232 6D	630	3	3 ~ 400	3300	6.6	34334	26	7 × 3800	2 × 3800	34200
HEA 6303 309 6D	630	3	3 ~ 400	3300	6.6	32716	25	9 × 3800	2 × 3800	41800
HEA 6304 207 6D	630	4	3 ~ 400	4400	8.8	48157	34	5 × 5060	1 × 5060	30360
HEA 6304 310 6D	630	4	3 ~ 400	4400	8.8	45813	32	7 × 5060	2 × 5060	45540
HEA 6304 413 6D	630	4	3 ~ 400	4400	8.8	43666	30	9 × 5060	2 × 5060	55660
HEA 8001 81 6D	800	1	3 ~ 400	1600	3.5	19462	25	7 × 1700	1 × 1700	13600
HEA 8001 121 6D	800	1	3 ~ 400	1600	3.5	18277	24	10 × 1700	2 × 1700	20400
HEA 8001 162 6D	800	1	3 ~ 400	1600	3.5	17358	23	16 × 1700	2 × 1700	30600
HEA 8002 165 6D	800	2	3 ~ 400	3200	7.0	39071	29	7 × 2810	1 × 2810	22480
HEA 8002 247 6D	800	2	3 ~ 400	3200	7.0	36729	28	10 × 2810	2 × 2810	33720
HEA 8002 330 6D	800	2	3 ~ 400	3200	7.0	34965	27	16 × 2810	2 × 2810	50580
HEA 8003 249 6D	800	3	3 ~ 400	4800	10.5	58702	34	7 × 4420	1 × 4420	35360
HEA 8003 374 6D	800	3	3 ~ 400	4800	10.5	55173	33	10 × 4420	2 × 4420	53040
HEA 8003 498 6D	800	3	3 ~ 400	4800	10.5	52541	32	16 × 4420	2 × 4420	79560

COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CÚBICOS COMERCIALES

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					
HEA 2501 04 9D	1.10	0.78	1.13	0.79	4.0	1.4	11	12	16
HEA 2502 08 9D	2.25	1.61	2.29	1.61	8.0	2.8	19	12	19
HEA 2503 12 9D	3.39	2.44	3.44	2.44	12.0	4.2	27	12	22
HEA 2504 16 9D	4.46	3.27	4.24	3.18	16.1	5.6	36	12	22
HEA 2505 20 9D	5.67	4.16	5.62	4.07	20.1	7.0	44	15	28
HEA 2506 24 9D	6.81	4.95	6.92	4.93	24.1	8.5	51	15	28
HEA 3001 06 9D	1.65	1.21	1.59	1.18	5.3	1.9	14	12	19
HEA 3002 10 9D	3.32	2.45	3.20	2.39	10.7	3.8	24	12	22
HEA 3003 16 9D	5.00	3.70	4.81	3.59	16.0	5.6	33	12	22
HEA 3004 21 9D	6.76	4.91	6.85	4.91	21.4	7.5	43	15	28
HEA 3005 27 9D	8.45	6.19	8.52	6.14	26.8	9.4	53	15	28
HEA 3006 31 9D	10.14	7.29	10.31	7.37	32.1	11.3	63	15	28
HEA 3501 07 9D	2.43	1.85	2.30	1.78	6.7	2.3	17	12	19
HEA 3502 13 9D	4.90	3.74	4.63	3.59	13.4	4.7	31	12	22
HEA 3503 20 9D	7.56	5.55	7.67	5.65	20.1	7.0	44	15	22
HEA 3504 27 9D	10.02	7.59	9.95	7.45	26.8	9.4	57	15	28
HEA 3505 34 9D	12.66	9.31	12.84	9.47	33.5	11.7	70	15	35
HEA 3506 40 9D	15.06	10.66	15.45	11.19	40.2	14.1	84	15	35
HEA 4001 09 9D	3.46	2.61	3.33	2.52	9.6	3.4	22	12	19
HEA 4002 18 9D	6.93	5.21	6.87	5.10	18.7	6.6	39	12	22
HEA 4003 24 9D	9.70	6.97	9.89	7.21	25.0	8.8	53	15	28
HEA 4004 36 9D	13.91	10.47	13.78	10.25	37.5	13.2	74	15	35
HEA 4501 14 9D	5.61	3.99	5.75	4.15	14.3	5.0	28	12	22
HEA 4502 28 9D	11.36	8.12	11.59	8.42	28.5	10.0	51	15	28
HEA 4503 41 9D	16.98	12.79	17.04	12.61	42.8	15.0	74	15	35
HEA 4504 57 9D	22.84	16.40	23.28	16.95	57.1	20.0	97	22	42
HEA 5001 17 9D	7.40	5.24	7.60	5.50	18.1	6.4	49	15	28
HEA 5001 26 9D	10.03	7.62	9.54	7.32	27.2	9.5	57	15	28
*HEA 5001 36 9D	12.31	8.89	12.55	9.06	36.2	12.7	56	22	35
HEA 5002 36 9D	15.28	10.81	15.66	11.33	37.5	13.2	89	22	35
HEA 5002 54 9D	20.99	15.71	21.06	15.53	56.2	19.7	105	22	35
*HEA 5002 75 9D	25.40	18.40	25.86	18.70	75.0	26.3	112	28	54
HEA 5003 54 9D	23.36	17.44	23.58	17.45	57.4	20.1	129	28	42
HEA 5003 82 9D	31.61	21.95	32.57	23.27	86.1	30.2	154	28	42
*HEA 5003 114 9D	38.31	28.66	37.85	28.11	113.7	39.9	170	28	76
HEA 5004 76 9D	31.03	21.97	31.78	23.00	76.2	26.7	149	28	54
HEA 5004 114 9D	42.66	30.38	43.54	31.49	114.3	40.1	188	28	67
*HEA 5004 152 9D	51.58	37.43	52.48	37.99	152.4	53.5	225	35	76

* The coil has 8 rows.

* La bobina tiene 8 filas.

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)
HEA 2501 04 9D	250	1	1 ~ 230	50	0.2	866	4	2 × 440	1 × 440	1320
HEA 2502 08 9D	250	2	1 ~ 230	100	0.5	1733	5	2 × 730	1 × 730	2190
HEA 2503 12 9D	250	3	1 ~ 230	150	0.7	2599	6	2 × 1030	1 × 1030	3090
HEA 2504 16 9D	250	4	1 ~ 230	200	0.9	3469	7	2 × 1310	1 × 1310	3930
HEA 2505 20 9D	250	5	1 ~ 230	250	1.2	4334	9	2 × 1600	1 × 1600	4800
HEA 2506 24 9D	250	6	1 ~ 230	300	1.4	5200	10	2 × 1890	1 × 1890	5670
HEA 3001 06 9D	300	1	1 ~ 230	72	0.3	1412	6	3 × 440	1 × 440	1760
HEA 3002 10 9D	300	2	1 ~ 230	144	0.6	2826	7	3 × 730	1 × 730	2920
HEA 3003 16 9D	300	3	1 ~ 230	216	1.0	4240	9	3 × 1030	1 × 1030	4120
HEA 3004 21 9D	300	4	1 ~ 230	288	1.3	5651	11	3 × 1310	1 × 1310	5240
HEA 3005 27 9D	300	5	1 ~ 230	360	1.6	7065	13	3 × 1600	1 × 1600	6400
HEA 3006 31 9D	300	6	1 ~ 230	432	1.9	8475	15	3 × 1890	1 × 1890	7560
HEA 3501 07 9D	350	1	1 ~ 230	130	0.6	2084	11	4 × 440	2 × 440	2640
HEA 3502 13 9D	350	2	1 ~ 230	260	1.2	4174	14	4 × 730	2 × 730	4380
HEA 3503 20 9D	350	3	1 ~ 230	390	1.7	6252	17	4 × 1030	2 × 1030	6180
HEA 3504 27 9D	350	4	1 ~ 230	520	2.3	8346	20	4 × 1310	2 × 1310	7860
HEA 3505 34 9D	350	5	1 ~ 230	650	2.9	10424	22	4 × 1600	2 × 1600	9600
HEA 3506 40 9D	350	6	1 ~ 230	780	3.5	12503	24	4 × 1890	2 × 1890	11340
HEA 4001 09 9D	400	1	1 ~ 230	160	0.7	3438	11	4 × 550	1 × 550	2750
HEA 4002 18 9D	400	2	1 ~ 230	320	1.5	6826	14	4 × 1030	1 × 1030	5150
HEA 4003 24 9D	400	3	1 ~ 230	480	2.2	9837	16	4 × 1310	1 × 1310	6550
HEA 4004 36 9D	400	4	1 ~ 230	640	2.9	13655	20	4 × 1890	1 × 1890	9450
HEA 4501 14 9D	450	1	3 ~ 400	460	1.0	5900	15	4 × 730	1 × 730	3650
HEA 4502 28 9D	450	2	3 ~ 400	920	1.9	11803	18	4 × 1310	1 × 1310	6550
HEA 4503 41 9D	450	3	3 ~ 400	1380	2.9	17716	22	4 × 1890	1 × 1890	9450
HEA 4504 57 9D	450	4	3 ~ 400	1840	3.8	23609	24	4 × 2470	1 × 2470	12350
HEA 5001 17 9D	500	1	3 ~ 400	820	1.6	8129	26	6 × 730	1 × 730	5110
HEA 5001 26 9D	500	1	3 ~ 400	820	1.6	7495	23	7 × 730	2 × 730	6570
HEA 5001 36 9D	500	1	3 ~ 400	820	1.6	6940	20	8 × 730	2 × 730	7300
HEA 5002 36 9D	500	2	3 ~ 400	1640	3.2	16404	24	6 × 1400	1 × 1400	9800
HEA 5002 54 9D	500	2	3 ~ 400	1640	3.2	15170	20	7 × 1400	2 × 1400	12600
HEA 5002 75 9D	500	2	3 ~ 400	1640	3.2	14095	16	8 × 1400	2 × 1400	14000
HEA 5003 54 9D	500	3	3 ~ 400	2460	4.8	24742	29	6 × 2050	1 × 2050	14350
HEA 5003 82 9D	500	3	3 ~ 400	2460	4.8	22908	24	7 × 2050	2 × 2050	18450
HEA 5003 114 9D	500	3	3 ~ 400	2460	4.8	21259	19	8 × 2050	2 × 2050	20500
HEA 5004 76 9D	500	4	3 ~ 400	3280	6.4	32938	34	6 × 3390	1 × 3390	23730
HEA 5004 114 9D	500	4	3 ~ 400	3280	6.4	30501	29	7 × 3390	2 × 3390	30510
HEA 5004 152 9D	500	4	3 ~ 400	3280	6.4	28399	24	8 × 3390	2 × 3390	33900

COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CÚBICOS COMERCIALES

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)	Bobina Filas Coil Rows	N.W/ Peso Neto (kg)	Connection/ Conexión (ø mm)	
	t_e= -8ºC	t_e= -25ºC	t_e= -8ºC	t_e= -25ºC					Inlet/ Entrada	Outlet/ Salida
	DT1=8K	DT1=7K	DT1=8K	DT1=7K						
HEA 5501 24 9D	8.51	6.36	7.97	6.10	24.4	8.6	4	60	15	42
HEA 5501 37 9D	12.09	8.76	12.24	8.77	36.7	12.9	6	74	22	42
HEA 5501 49 9D	14.00	10.47	13.11	10.08	48.9	17.1	8	120	22	54
HEA 5502 50 9D	17.38	13.00	16.36	12.48	50.2	17.6	4	144	28	54
HEA 5502 75 9D	24.69	17.93	24.99	17.93	75.4	26.4	6	180	28	54
HEA 5502 101 9D	29.66	20.71	30.41	21.56	100.5	35.3	8	217	28	54
HEA 5503 76 9D	27.03	19.57	27.42	19.79	76.1	26.7	4	238	28	54
HEA 5503 114 9D	37.29	27.11	37.74	27.06	114.1	40.0	6	286	28	67
HEA 5503 152 9D	45.41	33.19	45.64	32.67	152.1	53.4	8	88	2×28	2×54
HEA 5504 102 9D	35.11	26.28	33.15	25.23	101.9	35.7	4	105	2×28	2×54
HEA 5504 153 9D	49.06	34.04	50.43	35.73	152.8	53.6	6	170	35	67
HEA 5504 204 9D	59.99	42.08	61.44	43.70	203.7	71.5	8	206	2×28	2×54
HEA 6301 35 9D	12.60	9.39	12.45	9.17	34.8	12.2	4	254	22	42
HEA 6301 52 9D	16.46	12.50	15.22	11.92	52.2	18.3	6	304	28	67
HEA 6301 70 9D	21.32	15.67	20.50	15.26	69.6	24.4	8	336	28	67
HEA 6302 71 9D	25.64	19.07	25.40	18.66	71.2	25.0	4	402	28	67
HEA 6302 107 9D	35.70	25.15	36.49	26.02	106.8	37.5	6	136	28	67
HEA 6302 143 9D	43.36	31.87	41.82	31.04	142.5	50.0	8	166	2×28	2×67
HEA 6303 108 9D	37.11	27.88	34.22	26.57	107.7	37.8	4	259	2×28	2×67
HEA 6303 162 9D	53.90	38.00	55.05	39.33	161.5	56.7	6	323	35	76
HEA 6303 215 9D	65.84	47.23	67.05	47.89	215.3	75.6	8	383	2×28	2×67
HEA 6304 144 9D	51.71	38.44	51.28	37.64	144.1	50.6	4	477	2×28	2×67
HEA 6304 216 9D	68.52	45.65	71.67	49.56	216.1	75.8	6	47	35	76
HEA 6304 288 9D	84.34	56.99	87.76	61.32	288.2	101.1	8	95	2×28	2×67
HEA 8001 56 9D	20.29	15.26	19.37	14.68	56.4	19.8	4	140	28	67
HEA 8001 85 9D	27.92	20.81	26.33	20.04	84.6	29.7	6	187	28	76
HEA 8001 113 9D	34.70	25.42	34.48	25.03	112.8	39.6	8	67	28	76
HEA 8002 115 9D	42.12	30.84	42.60	30.94	115.0	40.4	4	134	35	76
HEA 8002 173 9D	58.02	42.48	58.54	42.28	172.5	60.5	6	200	2×28	2×67
HEA 8002 230 9D	70.44	51.81	70.10	50.82	230.1	80.7	8	264	2×28	2×76
HEA 8003 174 9D	62.05	46.73	59.59	44.98	173.7	60.9	4	105	2×28	2×76
HEA 8003 261 9D	85.39	58.69	88.21	62.44	260.5	91.4	6	204	2×28	2×67
HEA 8003 347 9D	104.31	72.55	107.29	76.17	347.4	121.9	8	303	2×35	2×76

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)
HEA 5501 24 9D	550	1	3 ~ 400	770	1.7	8257	17	4 × 1280	1 × 1280	6400
HEA 5501 37 9D	550	1	3 ~ 400	770	1.7	7884	16	6 × 1280	2 × 1280	10240
HEA 5501 49 9D	550	1	3 ~ 400	770	1.7	7581	16	8 × 1280	2 × 1280	12800
HEA 5502 50 9D	550	2	3 ~ 400	1540	3.3	16586	21	4 × 2320	1 × 2320	11600
HEA 5502 75 9D	550	2	3 ~ 400	1540	3.3	15857	20	6 × 2320	2 × 2320	18560
HEA 5502 101 9D	550	2	3 ~ 400	1540	3.3	15254	19	8 × 2320	2 × 2320	23200
HEA 5503 76 9D	550	3	3 ~ 400	2310	5.0	24903	24	4 × 3200	1 × 3200	16000
HEA 5503 114 9D	550	3	3 ~ 400	2310	5.0	23827	23	6 × 3200	2 × 3200	25600
HEA 5503 152 9D	550	3	3 ~ 400	2310	5.0	22936	22	8 × 3200	2 × 3200	32000
HEA 5504 102 9D	550	4	3 ~ 400	3080	6.6	33241	28	4 × 4260	1 × 4260	21300
HEA 5504 153 9D	550	4	3 ~ 400	3080	6.6	31791	27	6 × 4260	2 × 4260	34080
HEA 5504 204 9D	550	4	3 ~ 400	3080	6.6	30609	26	8 × 4260	2 × 4260	42600
HEA 6301 35 9D	630	1	3 ~ 400	1100	2.2	12177	20	5 × 1510	1 × 1510	9060
HEA 6301 52 9D	630	1	3 ~ 400	1100	2.2	11716	19	7 × 1510	2 × 1510	13590
HEA 6301 70 9D	630	1	3 ~ 400	1100	2.2	11231	19	9 × 1510	2 × 1510	16610
HEA 6302 71 9D	630	2	3 ~ 400	2200	4.4	24405	24	5 × 2740	1 × 2740	16440
HEA 6302 107 9D	630	2	3 ~ 400	2200	4.4	23517	23	7 × 2740	2 × 2740	24660
HEA 6302 143 9D	630	2	3 ~ 400	2200	4.4	22596	22	9 × 2740	2 × 2740	30140
HEA 6303 108 9D	630	3	3 ~ 400	3300	6.6	36642	28	5 × 3800	1 × 3800	22800
HEA 6303 162 9D	630	3	3 ~ 400	3300	6.6	35328	27	7 × 3800	2 × 3800	34200
HEA 6303 215 9D	630	3	3 ~ 400	3300	6.6	33947	26	9 × 3800	2 × 3800	41800
HEA 6304 144 9D	630	4	3 ~ 400	4400	8.8	48861	35	5 × 5060	1 × 5060	30360
HEA 6304 216 9D	630	4	3 ~ 400	4400	8.8	47132	33	7 × 5060	2 × 5060	45540
HEA 6304 288 9D	630	4	3 ~ 400	4400	8.8	45299	31	9 × 5060	2 × 5060	55660
HEA 8001 56 9D	800	1	3 ~ 400	1600	3.5	19936	25	7 × 1700	1 × 1700	13600
HEA 8001 85 9D	800	1	3 ~ 400	1600	3.5	18917	24	10 × 1700	2 × 1700	20400
HEA 8001 113 9D	800	1	3 ~ 400	1600	3.5	18052	23	16 × 1700	2 × 1700	30600
HEA 8002 115 9D	800	2	3 ~ 400	3200	7.0	39987	30	7 × 2810	1 × 2810	22480
HEA 8002 173 9D	800	2	3 ~ 400	3200	7.0	38007	29	10 × 2810	2 × 2810	33720
HEA 8002 230 9D	800	2	3 ~ 400	3200	7.0	36293	28	16 × 2810	2 × 2810	50580
HEA 8003 174 9D	800	3	3 ~ 400	4800	10.5	60065	37	7 × 4420	1 × 4420	35360
HEA 8003 261 9D	800	3	3 ~ 400	4800	10.5	57082	35	10 × 4420	2 × 4420	53040
HEA 8003 347 9D	800	3	3 ~ 400	4800	10.5	54516	33	16 × 4420	2 × 4420	79560

COMMERCIAL CUBIC EVAPORATORS
EVAPORADORES CÚBICOS COMERCIALES

AVAILABLE OPTIONS FOR HEA SERIES:

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

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

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

Fan options:
- EC Fans
- Silica gel heaters for fan nozzles: only for ø500 mm or above models
- Streamers: Air-guiding device for increased airthrow

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

Refrigerant options:
- HFC/HFO (A1): standard models
- HFO/HFC (A2L): coming soon
- Glicol: available,please contact our Technical Department
- NH3: see HEA N models
- CO2: see HEA CO2 models

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

OPCIONES DISPONIBLES PARA LA SERIE HEA:

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

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

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

Opciones ventiladores:
- Ventiladores EC
- Resistencias calefactoras para aro de ventiladores: sólo para modelos ø500 mm o más grandes
- Streamers: Dispositivo de aire guiado para incrementar el tiro de aire.

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

Opciones refrigerantes:
- HFC/HFO (A1): modelos estándar
- HFO/HFC (A2L): próximamente
- Glicol: disponibles, consultar a nuestro Departamento Técnico
- NH3: ver modelos HEA N
- CO2: ver modelos HEA CO2

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