

# 2024 HISPANIA CATALOGUE<sup>50Hz</sup>

CO2 蒸发器



**EVAPORATORS FOR CO2**

- COMMERCIAL CUBIC EVAPORATORS: CEA 4
- DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS: CED 26

**蒸发器 CO2**

- 商用蒸发器: CEA 4
- 双出风蒸发器: CEA 26



## COMMERCIAL CUBIC EVAPORATORS EVAPORADORES CUBICOS COMERCIALES

The CEA 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 CEA range are highly efficient with special profile aluminum fins and  $\varnothing 9.52$  mm internally grooved copper tubes, They are supplied clean and tested under a pressure of 30 bar.

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

- CEA XXXX XX 4X: with 4 mm pitch, suitable for high temperatures in the cold room ( $Rt \geq 0^{\circ}\text{C}$ )
- CEA XXXX XX 6X: with 6 mm pitch, suitable for medium temperatures in the cold room ( $Rt \geq -18^{\circ}\text{C}$ )
- CEA XXXX XX 9X: with 9 mm pitch, suitable for low temperatures in the cold room ( $Rt \geq -35^{\circ}\text{C}$ )

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

- $\varnothing 250, 300, 350, 400$  mm: single-phase 230V/1/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature  $-40^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .

## CEA SERIES EVAPORATOR 蒸发器系列 CEA

CEA系列商用蒸发器适用于冷库的冷冻冷藏需求。

CEA的高效内芯采用铝箔和 $\varnothing 9.52$ mm内螺纹铜管。所有内芯均经过清洁和30bar保压测试。

CEA有三种片距，满足不同温度的应用：

- CEA XXXX XX 4X: 4mm片距，适用于高温库 ( $Rt \geq 0^{\circ}\text{C}$ )
- CEA XXXX XX 6X: 6mm片距，适用于中温库 ( $Rt \geq -18^{\circ}\text{C}$ )
- CEA XXXX XX 9X: 9mm片距，适用于低温库 ( $Rt \geq -35^{\circ}\text{C}$ )

标准的风机配置如下：

- $\varnothing 250, 300, 350, 400$  mm: 单相230V/1/50Hz外转子电机，带K网罩和短出风口。工作温度 $-40^{\circ}\text{C}$ 至 $+40^{\circ}\text{C}$ 。

# CEA SERIES EVAPORATOR

蒸发器系列 CEA

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

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

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

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: 三相400V/3/50Hz外转子电机, 带K网罩和短出风口. 工作温度-40°C至+40°C。

-ø500, 550 y 630 mm: 三相400V/3/50Hz外转子电机, 带L网罩和长风口. 工作温度-40°C至+40°C。

-ø630 y 800 mm: 三相400V/3/50Hz外转子电机, 带ZN网罩和长风口. 工作温度-40°C至+40°C。

白色喷涂的铝制外壳, 有较高的防腐蚀和抗震性能。

电化霜的电加热管套有不锈钢管, 固定于翅片和接水盘内, 可隔绝水蒸气, 且方便维护。

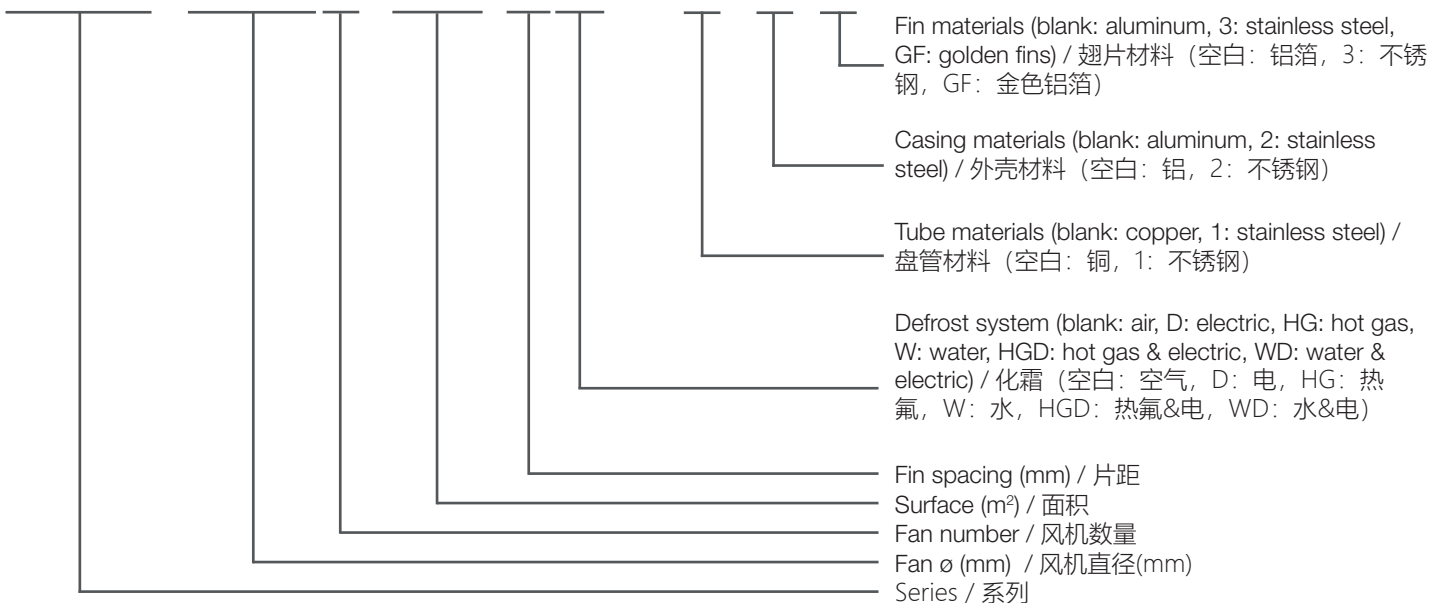
所有电器有效接地。电线均接入防护等级IP65的电器盒内。

可使用"Unit Selector Hybrid HISPANIA"选型软件查询样册以外的工况性能。

更多需求和信息请联系Hispania。

EVAPORATORS / 蒸发器 CO2

## CEA 2503 26 4D S1 2 3

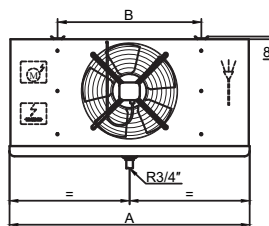
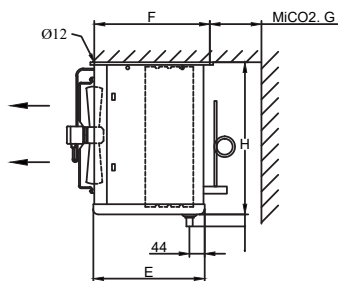




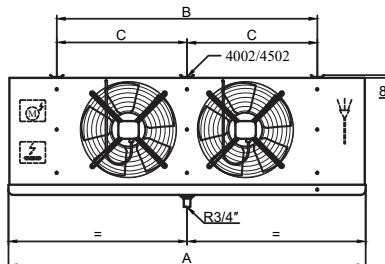
# COMMERCIAL CUBIC EVAPORATORS

商用蒸发器

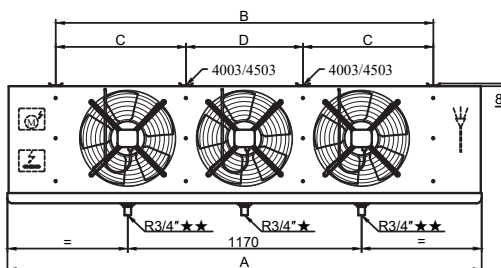
CO2



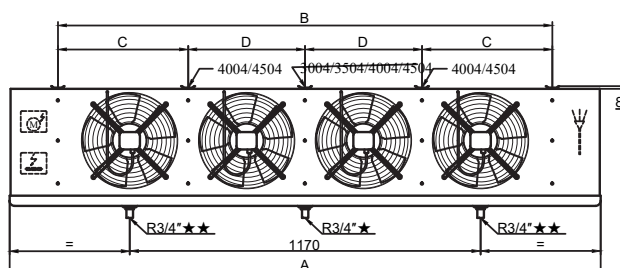
CEA  
2501/3001/3501/4001/4501



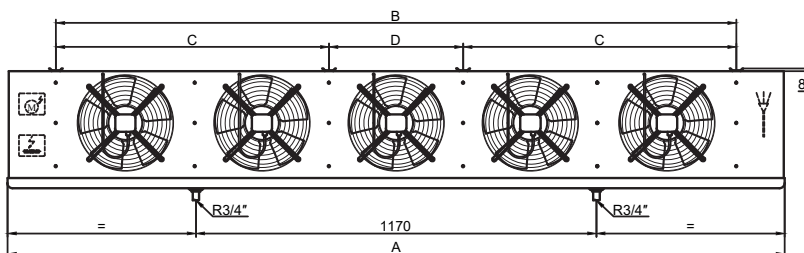
CEA  
2502/3002/3502/4002/4502



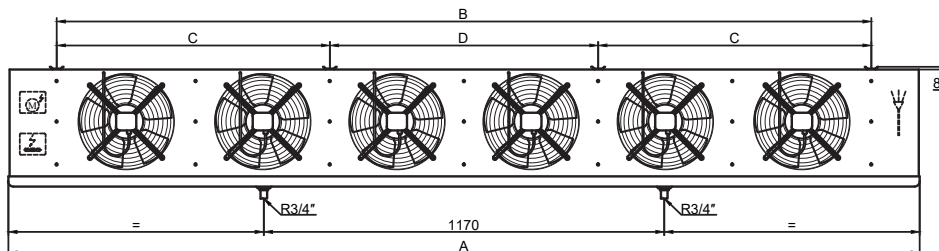
CEA  
★2503/3003/3503/4003  
★★4503



CEA  
★2504/3004/3504  
★★4004/4504



CEA  
2505/3005/3505



CEA  
2506/3006/3506

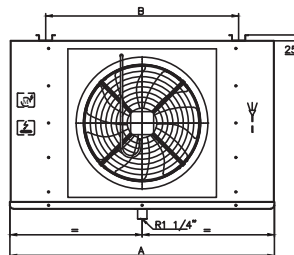
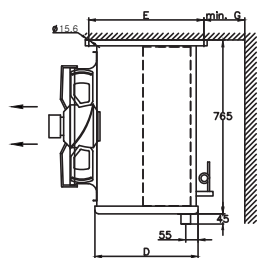
EVAPORATORS / 蒸发器 CO2

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

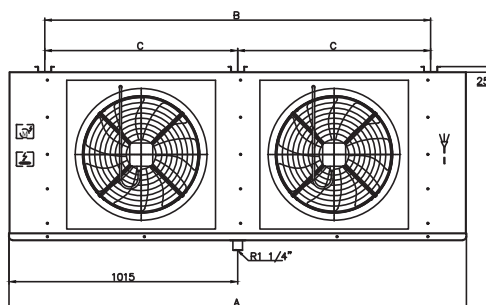
# COMMERCIAL CUBIC EVAPORATORS

商用蒸发器

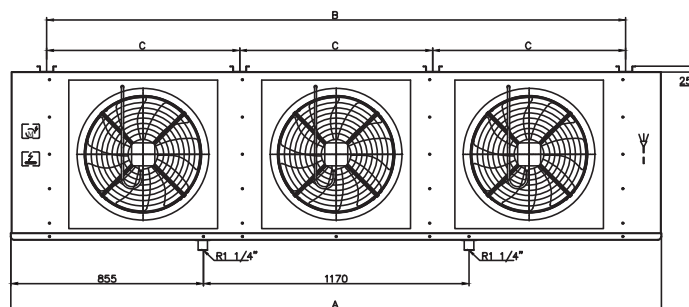
CO2



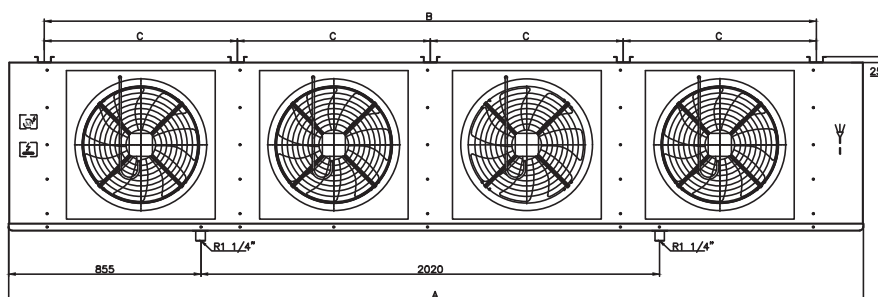
CEA/D 5001



CEA/D 5002



CEA/D 5003



CEA/D 5004

EVAPORATORS / 蒸发器 CO2

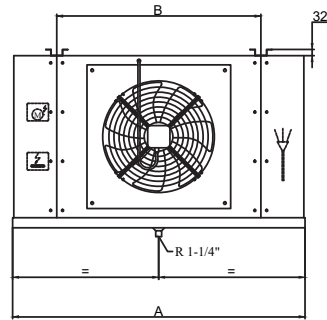
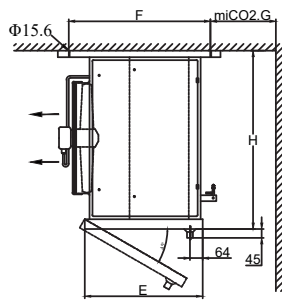


Model / 型号	Dimensions / 尺寸 (mm)					
	A	B	C	D	E	G
CEA 5001...(4 rows)	1185	850		455	507	400
CEA 5001...(6 rows)	1185	850		455	507	400
CEA 5001...(8 rows)	1185	850		560	610	400
CEA 5002...(4 rows)	2035	1700	850	455	507	400
CEA 5002...(6 rows)	2035	1700	850	455	507	400
CEA 5002...(8 rows)	2085	1700	850	560	610	400
CEA 5003...(4 rows)	2885	2550	850	455	507	450
CEA 5003...(6 rows)	2885	2550	850	455	507	450
CEA 5003...(8 rows)	2935	2550	850	560	610	450
CEA 5004...(4 rows)	3785	3400	850	455	507	450
CEA 5004...(6 rows)	3785	3400	850	489	541	450
CEA 5004...(8 rows)	3785	3400	850	560	610	450

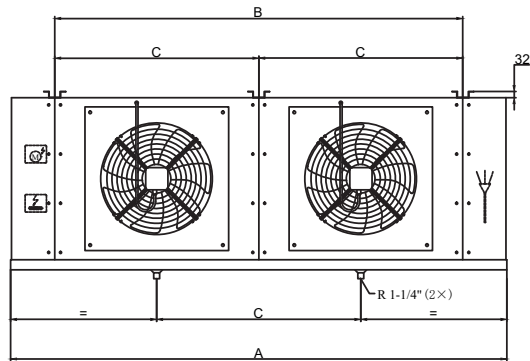
# COMMERCIAL CUBIC EVAPORATORS

商用蒸发器

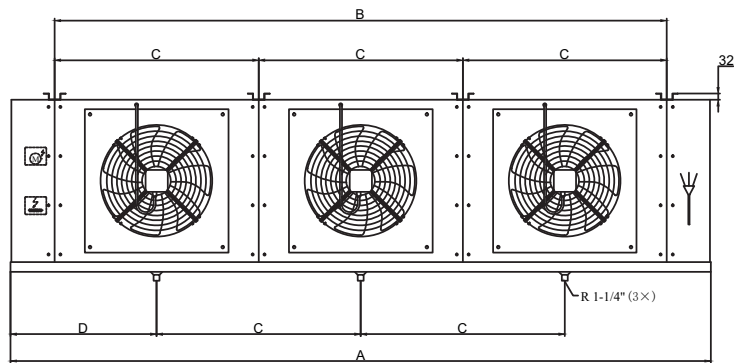
CO2



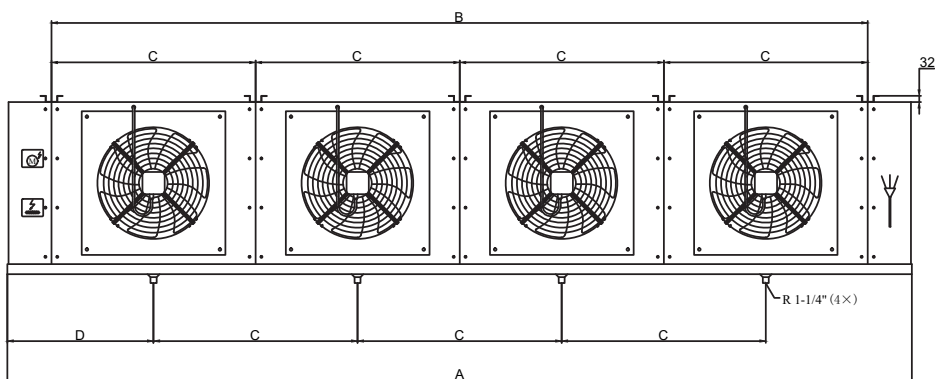
CEA  
5501/6301/8001



CEA  
5502/6302/8002



CEA  
5503/6303/8003



CEA  
5504/6304

Model / 型号	Dimensions / 尺寸 (mm)							
	A	B	C	D	E	F	G	H
CEA 5501...(4 rows)	1500	1030			525	635	260	870
CEA 5501...(6 rows)	1500	1030			525	635	260	870
CEA 5501...(8 rows)	1500	1030			595	705	260	870
CEA 5502...(4 rows)	2530	2060	1030		525	635	380	870
CEA 5502...(6 rows)	2530	2060	1030		525	635	380	870
CEA 5502...(8 rows)	2530	2060	1030		595	705	380	870
CEA 5503...(4 rows)	3560	3090	1030	750	525	635	460	870
CEA 5503...(6 rows)	3560	3090	1030	750	525	635	460	870
CEA 5503...(8 rows)	3560	3090	1030	750	595	705	460	870
CEA 5504...(4 rows)	4590	4120	1030	750	525	635	500	870
CEA 5504...(6 rows)	4590	4120	1030	750	525	635	500	870
CEA 5504...(8 rows)	4590	4120	1030	750	595	705	500	870
CEA 6301...(4 rows)	1700	1230			555	665	310	1010
CEA 6301...(6 rows)	1700	1230			555	665	310	1010
CEA 6301...(8 rows)	1700	1230			625	735	310	1010
CEA 6301...(10 rows)	1700	1230			695	805	310	1010
CEA 6302...(4 rows)	2930	2460	1230		555	665	440	1010
CEA 6302...(6 rows)	2930	2460	1230		555	665	440	1010
CEA 6302...(8 rows)	2930	2460	1230		625	735	440	1010
CEA 6302...(10 rows)	2930	2460	1230		695	805	440	1010
CEA 6303...(4 rows)	4160	3690	1230	850	555	665	530	1010
CEA 6303...(6 rows)	4160	3690	1230	850	555	665	530	1010
CEA 6303...(8 rows)	4160	3690	1230	850	625	735	530	1010
CEA 6303...(10 rows)	4160	3690	1230	850	695	805	530	1010
CEA 6304...(4 rows)	5390	4920	1230	850	555	665	580	1010
CEA 6304...(6 rows)	5390	4920	1230	850	555	665	580	1010
CEA 6304...(8 rows)	5390	4920	1230	850	625	735	580	1010
CEA 6304...(10 rows)	5390	4920	1230	850	695	805	580	1010
CEA 8001...(4 rows)	1900	1430			620	730	390	1360
CEA 8001...(6 rows)	1900	1430			620	730	390	1360
CEA 8001...(8 rows)	1900	1430			690	800	390	1360
CEA 8001...(10 rows)	1900	1430			760	870	390	1360
CEA 8002...(4 rows)	3330	2860	1430		620	730	580	1360
CEA 8002...(6 rows)	3330	2860	1430		620	730	580	1360
CEA 8002...(8 rows)	3330	2860	1430		690	800	580	1360
CEA 8002...(10 rows)	3330	2860	1430		760	870	580	1360
CEA 8003...(4 rows)	4760	4290	1430	950	620	730	700	1360
CEA 8003...(6 rows)	4760	4290	1430	950	620	730	700	1360
CEA 8003...(8 rows)	4760	4290	1430	950	690	800	700	1360
CEA 8003...(10 rows)	4760	4290	1430	950	760	870	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.

换热器宽度受其列数影响。列数可在之后的表格中查找。

# COMMERCIAL CUBIC EVAPORATORS

CO2

商用蒸发器

FIN SPACING 4 mm, with electrical defrost. Rt>=0°C

片距4mm, 带电加热。库温>=0°C

Model / 型号	Capacity / Capacidad CO2 (kW)		Surface/ 面积 (m2)	Tube Volume/ 管容积 (dm3)	Coil Rows 列数	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = -8°C	t <sub>e</sub> = -25°C					Inlet/ 进口	Outlet/ 出口
	DT1=8K	DT1=7K						
CEA 2501 09 4D	1.68	1.26	8.5	0.8		12.0	10	10
CEA 2502 17 4D	3.08	2.25	17.1	1.5		21.0	10	10
CEA 2503 26 4D	4.99	3.72	25.6	2.3		30.0	10	15
CEA 2504 35 4D	6.29	4.61	34.2	3.0		38.0	10	15
CEA 2505 41 4D	7.25	5.21	42.8	3.8		47.0	10	15
CEA 2506 52 4D	9.51	6.97	51.3	4.6		56.0	12	15
CEA 3001 12 4D	2.55	1.87	11.4	1.0		15.0	10	10
CEA 3002 23 4D	5.21	3.83	22.8	2.0		25.0	10	15
CEA 3003 35 4D	7.14	5.12	34.2	3.0		36.0	10	15
CEA 3004 46 4D	9.98	7.24	45.6	4.0		47.0	12	15
CEA 3005 56 4D	12.74	9.28	57.0	5.1		58.0	12	19
CEA 3006 69 4D	14.52	10.45	68.4	6.1		68.0	12	19
CEA 3501 14 4D	3.26	2.37	14.2	1.3		18.0	10	10
CEA 3502 27 4D	6.78	4.96	28.5	2.5		33.0	10	15
CEA 3503 41 4D	10.31	7.57	42.7	3.8		47.0	12	15
CEA 3504 55 4D	14.49	10.81	57.0	5.1		62.0	12	22
CEA 3505 70 4D	17.37	12.78	71.3	6.3		76.0	12	22
CEA 3506 83 4D	20.90	15.39	85.6	7.6		91.0	12	22
CEA 4001 20 4D	5.53	4.07	20.4	1.8		24.0	10	15
CEA 4002 40 4D	11.04	8.16	39.9	3.5		42.0	12	19
CEA 4003 54 4D	14.49	10.57	53.2	4.7		57.0	12	19
CEA 4004 81 4D	21.92	16.15	79.9	7.1		80.0	12	22
CEA 4501 31 4D	9.11	6.75	30.4	2.7		31.0	12	19
CEA 4502 61 4D	18.34	13.60	60.8	5.4		57.0	12	22
CEA 4503 92 4D	26.86	19.70	91.3	8.1		82.0	12	22
CEA 4504 119 4D	36.80	27.31	121.7	10.8		107.0	12	22
CEA 5001 39 4D	11.85	8.73	38.6	3.4	4	52.0	12	19
CEA 5001 58 4D	13.71	9.97	57.9	5.1	6	61.0	12	19
CEA 5001 76 4D	16.55	12.43	77.2	6.8	8	62	12	22
CEA 5002 81 4D	24.45	18.04	79.9	7.1	4	95.0	12	22
CEA 5002 121 4D	29.98	22.15	119.8	10.6	6	115.0	12	22
CEA 5002 156 4D	31.70	23.28	159.7	14.2	8	125	12	22
CEA 5003 122 4D	36.18	26.44	122.3	10.9	4	140.0	12	22
CEA 5003 183 4D	46.90	35.00	183.5	16.3	6	169.0	12	22
CEA 5003 237 4D	50.90	38.04	242.2	21.5	8	191	16	35
CEA 5004 159 4D	50.20	37.29	162.4	14.4	4	162	16	35
CEA 5004 238 4D	60.91	45.04	243.6	21.6	6	208	16	35
CEA 5004 318 4D	64.51	47.41	324.8	28.8	8	252	16	35

EVAPORATORS/ 蒸发器 CO2

FIN SPACING 4 mm, with electrical defrost. Rt>=0°C

片距4mm, 带电加热。库温>=0°C

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜		
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m3/h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Drain Pan/ 接水盘 (W)	Total/ 总 功率 (W)
CEA 2501 09 4D	250	1	1 ~ 230	44	0.2	730	4	2 × 440	1 × 440	1320
CEA 2502 17 4D	250	2	1 ~ 230	88	0.4	1461	5	2 × 730	1 × 730	2190
CEA 2503 26 4D	250	3	1 ~ 230	132	0.6	2192	6	2 × 1030	1 × 1030	3090
CEA 2504 35 4D	250	4	1 ~ 230	176	0.8	2923	7	2 × 1310	1 × 1310	3930
CEA 2505 41 4D	250	5	1 ~ 230	220	1.0	3654	8	2 × 1600	1 × 1600	4800
CEA 2506 52 4D	250	6	1 ~ 230	264	1.2	4386	10	2 × 1890	1 × 1890	5670
CEA 3001 12 4D	300	1	1 ~ 230	72	0.3	1277	6	3 × 440	1 × 440	1760
CEA 3002 23 4D	300	2	1 ~ 230	144	0.6	2556	7	3 × 730	1 × 730	2920
CEA 3003 35 4D	300	3	1 ~ 230	216	1.0	3834	9	3 × 1030	1 × 1030	4120
CEA 3004 46 4D	300	4	1 ~ 230	288	1.3	5113	10	3 × 1310	1 × 1310	5240
CEA 3005 56 4D	300	5	1 ~ 230	360	1.6	6392	13	3 × 1600	1 × 1600	6400
CEA 3006 69 4D	300	6	1 ~ 230	432	1.9	7670	15	3 × 1890	1 × 1890	7560
CEA 3501 14 4D	350	1	1 ~ 230	130	0.6	1734	10	4 × 440	2 × 440	2640
CEA 3502 27 4D	350	2	1 ~ 230	260	1.2	3473	13	4 × 730	2 × 730	4380
CEA 3503 41 4D	350	3	1 ~ 230	390	1.7	5212	16	4 × 1030	2 × 1030	6180
CEA 3504 55 4D	350	4	1 ~ 230	520	2.3	6953	19	4 × 1310	2 × 1310	7860
CEA 3505 70 4D	350	5	1 ~ 230	650	2.9	8691	21	4 × 1600	2 × 1600	9600
CEA 3506 83 4D	350	6	1 ~ 230	780	3.5	10430	23	4 × 1890	2 × 1890	11340
CEA 4001 20 4D	400	1	1 ~ 230	160	0.7	3111	11	4 × 550	1 × 550	2750
CEA 4002 40 4D	400	2	1 ~ 230	320	1.5	6161	13	4 × 1030	1 × 1030	5150
CEA 4003 54 4D	400	3	1 ~ 230	480	2.2	8741	16	4 × 1310	1 × 1310	6550
CEA 4004 81 4D	400	4	1 ~ 230	640	2.9	12325	19	4 × 1890	1 × 1890	9450
CEA 4501 31 4D	450	1	3 ~ 400	460	1.0	5422	15	4 × 730	1 × 730	3650
CEA 4502 61 4D	450	2	3 ~ 400	920	1.9	10849	18	4 × 1310	1 × 1310	6550
CEA 4503 92 4D	450	3	3 ~ 400	1380	2.9	16269	21	4 × 1890	1 × 1890	9450
CEA 4504 119 4D	450	4	3 ~ 400	1840	3.8	21703	23	4 × 2470	1 × 2470	12350
CEA 5001 39 4D	500	1	3 ~ 400	820	1.6	7400	20	6 × 730	1 × 730	5110
CEA 5001 58 4D	500	1	3 ~ 400	820	1.6	6610	17	7 × 730	2 × 730	6570
CEA 5001 76 4D	500	1	3 ~ 400	820	1.6	6027	14	8 × 730	2 × 730	7300
CEA 5002 81 4D	500	2	3 ~ 400	1640	3.2	15002	24	6 × 1400	1 × 1400	9800
CEA 5002 121 4D	500	2	3 ~ 400	1640	3.2	13443	20	7 × 1400	2 × 1400	12600
CEA 5002 156 4D	500	2	3 ~ 400	1640	3.2	12284	16	8 × 1400	2 × 1400	14000
CEA 5003 122 4D	500	3	3 ~ 400	2460	4.8	22673	29	6 × 2050	1 × 2050	14350
CEA 5003 183 4D	500	3	3 ~ 400	2460	4.8	20375	24	7 × 2050	2 × 2050	18450
CEA 5003 237 4D	500	3	3 ~ 400	2460	4.8	18543	19	8 × 2050	2 × 2050	20500
CEA 5004 159 4D	500	4	3 ~ 400	3280	6.4	30197	34	6 × 3390	1 × 3390	23730
CEA 5004 238 4D	500	4	3 ~ 400	3280	6.4	27102	29	7 × 3390	2 × 3390	30510
CEA 5004 318 4D	500	4	3 ~ 400	3280	6.4	24797	24	8 × 3390	2 × 3390	33900

# COMMERCIAL CUBIC EVAPORATORS

CO2

商用蒸发器

FIN SPACING 4 mm, with electrical defrost. Rt>=0°C

片距4mm, 带电加热。库温>=0°C

Model / 型号	Capacity / Capacidad CO2 (kW)		Surface/ 面积 (m2)	Tube Volume/ 管容积 (dm3)	Coil Rows 列数	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = -8°C	t <sub>e</sub> = -25°C					Inlet/ 进口	Outlet/ 出口
	DT1=8K	DT1=7K						
CEA 5501 51 4D	13.55	9.8	52.1	4.6	4	108	12	18
CEA 5501 76 4D	17.3	12.65	78.1	6.9	6	125	12	18
CEA 5501 102 4D	19.44	14.4	104.1	9.2	8	146	16	22
CEA 5502 105 4D	29.11	21.38	107.1	9.5	4	195	16	28
CEA 5502 157 4D	34.78	25.3	160.6	14.3	6	230	16	28
CEA 5502 210 4D	40.7	30.46	214.1	19	8	270	16	28
CEA 5503 159 4D	41.04	29.57	162.1	14.4	4	281	16	28
CEA 5503 238 4D	54.97	40.53	243.1	21.6	6	335	16	35
CEA 5503 317 4D	59.27	43.79	324.1	28.8	8	393	16	35
CEA 5504 212 4D	58.84	43.24	217.1	19.3	4	369	16	42
CEA 5504 319 4D	70.44	51.26	325.6	28.9	6	439	16	42
CEA 5504 425 4D	73.3	53.11	434.1	38.5	8	516	16	42
CEA 6301 73 4D	20.54	15.27	74.2	6.6	4	144	16	22
CEA 6301 109 4D	26.28	19.47	111.2	9.9	6	168	16	22
CEA 6301 145 4D	29.17	21.64	148.3	13.2	8	195	16	28
CEA 6301 181 4D	27.96	21.07	181.4	27.5	10	226	16	28
CEA 6302 149 4D	41.48	30.27	151.8	13.5	4	262	16	35
CEA 6302 223 4D	53.45	39.61	227.7	20.2	6	312	16	35
CEA 6302 297 4D	59.32	44.05	303.6	26.9	8	365	16	42
CEA 6302 371 4D	55.57	41.08	371.2	56.2	10	422	2 x 16	2 x 28
CEA 6303 224 4D	64.09	47.21	229.4	20.4	4	382	16	42
CEA 6303 337 4D	78.1	57.2	344.1	30.5	6	454	16	42
CEA 6303 449 4D	83.05	60.41	458.8	40.7	8	533	16	42
CEA 6303 561 4D	87.32	65.88	561.1	85	10	617	2 x 16	2 x 35
CEA 6304 300 4D	83.78	61.18	307	27.2	4	498	16	42
CEA 6304 451 4D	96.55	69.36	460.5	40.9	6	595	16	42
CEA 6304 601 4D	119.66	88.87	614.1	54.5	8	701	2 x 16	2 x 35
CEA 6304 751 4D	119.96	89.29	750.9	113.7	10	810	2 x 16	2 x 35
CEA 8001 118 4D	33.5	24.62	120.1	10.7	4	205	16	28
CEA 8001 176 4D	39.54	28.65	180.2	16	6	243	16	28
CEA 8001 235 4D	45.75	33.94	240.3	21.3	8	291	16	35
CEA 8001 294 4D	41.56	31.34	293.9	44.5	10	333	2 x 16	2 x 28
CEA 8002 240 4D	64.94	47.09	245.1	21.7	4	375	16	42
CEA 8002 360 4D	82.85	60.56	367.7	32.6	6	454	16	42
CEA 8002 480 4D	93.07	69.11	490.2	43.5	8	547	16	42
CEA 8002 600 4D	89.04	67.05	599.5	90.8	10	627	2 x 16	2 x 35
CEA 8003 362 4D	102.72	75.56	370.1	32.8	4	548	16	54
CEA 8003 543 4D	121.61	88.24	555.1	49.3	6	664	16	54
CEA 8003 724 4D	143.77	107.77	740.1	65.7	8	799	2 x 16	2 x 42
CEA 8003 905 4D	139.69	105.42	905.1	137.1	10	916	2 x 16	2 x 42

EVAPORATORS/ 蒸发器 CO2



FIN SPACING 4 mm, with electrical defrost. Rt>=0°C

片距4mm, 带电加热。库温>=0°C

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜		
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m3/h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Drain Pan/ 接水盘 (W)	Total/ 总 功率 (W)
CEA 5501 51 4D	550	1	3 ~ 400	720	2.7	7871	16	4 × 1280	1 × 1280	6400
CEA 5501 76 4D	550	1	3 ~ 400	720	2.7	7483	15	6 × 1280	2 × 1280	10240
CEA 5501 102 4D	550	1	3 ~ 400	720	2.7	7000	14	8 × 1280	2 × 1280	12800
CEA 5502 105 4D	550	2	3 ~ 400	1440	5.4	15829	19	4 × 2320	1 × 2320	11600
CEA 5502 157 4D	550	2	3 ~ 400	1440	5.4	15126	18	6 × 2320	2 × 2320	18560
CEA 5502 210 4D	550	2	3 ~ 400	1440	5.4	14152	17	8 × 2320	2 × 2320	23200
CEA 5503 159 4D	550	3	3 ~ 400	2160	8.1	23776	22	4 × 3200	1 × 3200	16000
CEA 5503 238 4D	550	3	3 ~ 400	2160	8.1	22714	21	6 × 3200	2 × 3200	25600
CEA 5503 317 4D	550	3	3 ~ 400	2160	8.1	21328	20	8 × 3200	2 × 3200	32000
CEA 5504 212 4D	550	4	3 ~ 400	2880	10.8	31743	28	4 × 4260	1 × 4260	21300
CEA 5504 319 4D	550	4	3 ~ 400	2880	10.8	30353	26	6 × 4260	2 × 4260	34080
CEA 5504 425 4D	550	4	3 ~ 400	2880	10.8	28471	24	8 × 4260	2 × 4260	42600
CEA 6301 73 4D	630	1	3 ~ 400	1100	2.2	11682	19	5 × 1510	1 × 1510	9060
CEA 6301 109 4D	630	1	3 ~ 400	1100	2.2	11098	18	7 × 1510	2 × 1510	13590
CEA 6301 145 4D	630	1	3 ~ 400	1100	2.2	10484	17	9 × 1510	2 × 1510	16610
CEA 6301 181 4D	630	1	3 ~ 400	1100	2.2	9848	16	12 × 1510	2 × 1510	21140
CEA 6302 149 4D	630	2	3 ~ 400	2200	4.4	23475	22	5 × 2740	1 × 2740	16440
CEA 6302 223 4D	630	2	3 ~ 400	2200	4.4	22339	21	7 × 2740	2 × 2740	24660
CEA 6302 297 4D	630	2	3 ~ 400	2200	4.4	21147	20	9 × 2740	2 × 2740	30140
CEA 6302 371 4D	630	2	3 ~ 400	2200	4.4	19873	19	12 × 2740	2 × 2740	38360
CEA 6303 224 4D	630	3	3 ~ 400	3300	6.6	35279	28	5 × 3800	1 × 3800	22800
CEA 6303 337 4D	630	3	3 ~ 400	3300	6.6	33580	26	7 × 3800	2 × 3800	34200
CEA 6303 449 4D	630	3	3 ~ 400	3300	6.6	31793	24	9 × 3800	2 × 3800	41800
CEA 6303 561 4D	630	3	3 ~ 400	3300	6.6	29884	22	12 × 3800	2 × 3800	53200
CEA 6304 300 4D	630	4	3 ~ 400	4400	8.8	47056	33	5 × 5060	1 × 5060	30360
CEA 6304 451 4D	630	4	3 ~ 400	4400	8.8	44773	31	7 × 5060	2 × 5060	45540
CEA 6304 601 4D	630	4	3 ~ 400	4400	8.8	42390	29	9 × 5060	2 × 5060	55660
CEA 6304 751 4D	630	4	3 ~ 400	4400	8.8	39893	27	12 × 5060	2 × 5060	70840
CEA 8001 118 4D	800	1	3 ~ 400	1600	3.5	18865	25	7 × 1700	1 × 1700	13600
CEA 8001 176 4D	800	1	3 ~ 400	1600	3.5	17867	23	10 × 1700	2 × 1700	20400
CEA 8001 235 4D	800	1	3 ~ 400	1600	3.5	16606	21	16 × 1700	2 × 1700	30600
CEA 8001 294 4D	800	1	3 ~ 400	1600	3.5	15353	19	16 × 1700	2 × 1700	30600
CEA 8002 240 4D	800	2	3 ~ 400	3200	7	37904	29	7 × 2810	1 × 2810	22480
CEA 8002 360 4D	800	2	3 ~ 400	3200	7	35940	27	10 × 2810	2 × 2810	33720
CEA 8002 480 4D	800	2	3 ~ 400	3200	7	33541	25	16 × 2810	2 × 2810	50580
CEA 8002 600 4D	800	2	3 ~ 400	3200	7	31007	23	16 × 2810	2 × 2810	50580
CEA 8003 362 4D	800	3	3 ~ 400	4800	10.5	56974	34	7 × 4420	1 × 4420	35360
CEA 8003 543 4D	800	3	3 ~ 400	4800	10.5	53941	32	10 × 4420	2 × 4420	53040
CEA 8003 724 4D	800	3	3 ~ 400	4800	10.5	50373	30	16 × 4420	2 × 4420	79560
CEA 8003 905 4D	800	3	3 ~ 400	4800	10.5	46651	28	16 × 4420	2 × 4420	79560

# COMMERCIAL CUBIC EVAPORATORS

CO2

商用蒸发器

FIN SPACING 6 mm, with electrical defrost. Rt>=-18°C

片距6mm, 带电化霜库温>=-18°C

Model / 型号	Capacity / Capacidad CO2 (kW)		Surface/ 面积 (m2)	Tube Volume/ 管容积 (dm3)	Coil Rows 列数	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = -8°C	t <sub>e</sub> = -25°C					Inlet/ 进口	Outlet/ 出口
	DT1=8K	DT1=7K						
CEA 2501 06 6D	1.47	1.08	5.8	0.8		12.0	10	10
CEA 2502 11 6D	2.78	2.01	11.7	1.5		20.0	10	10
CEA 2503 17 6D	4.42	3.25	17.5	2.3		29.0	10	15
CEA 2504 23 6D	5.66	4.11	23.4	3.0		37.0	10	15
CEA 2505 29 6D	6.62	4.74	29.2	3.8		45.0	10	15
CEA 2506 35 6D	8.54	6.21	35.1	4.6		54.0	12	15
CEA 3001 08 6D	2.21	1.61	7.8	1.0		14.0	10	10
CEA 3002 15 6D	4.50	3.29	15.6	2.0		25.0	10	15
CEA 3003 23 6D	6.32	4.55	23.4	3.0		35.0	10	15
CEA 3004 31 6D	8.74	6.35	31.2	4.0		45.0	12	15
CEA 3005 38 6D	11.09	8.08	39.0	5.1		55.0	12	19
CEA 3006 46 6D	12.82	9.25	46.8	6.1		66.0	12	19
CEA 3501 10 6D	2.97	2.16	9.7	1.3		18.0	10	10
CEA 3502 19 6D	6.13	4.49	19.4	2.5		32.0	10	15
CEA 3503 28 6D	9.30	6.82	29.2	3.8		46.0	12	15
CEA 3504 38 6D	12.89	9.58	38.9	5.1		60.0	12	22
CEA 3505 48 6D	15.63	11.50	48.7	6.3		74.0	12	22
CEA 3506 57 6D	18.80	13.84	58.4	7.6		88.0	12	22
CEA 4001 13 6D	4.74	3.48	13.9	1.8		23.0	10	15
CEA 4002 27 6D	9.45	6.95	27.3	3.5		41.0	12	19
CEA 4003 36 6D	12.67	9.24	36.4	4.7		55.0	12	19
CEA 4004 54 6D	18.85	13.83	54.6	7.1		78.0	12	22
CEA 4501 20 6D	7.68	5.66	20.7	2.7		30.0	12	19
CEA 4502 41 6D	15.44	11.38	41.5	5.4		54.0	12	22
CEA 4503 61 6D	23.00	16.85	62.3	8.1		79.0	12	22
CEA 4504 82 6D	30.95	22.82	83.1	10.8		103.0	12	22
CEA 5001 26 6D	10.12	7.43	26.4	3.4	4	51.0	12	19
CEA 5001 39 6D	12.39	9.00	39.5	5.1	6	59.0	12	19
CEA 5001 52 6D	14.87	11.09	52.7	6.8	8	59	12	22
CEA 5002 54 6D	20.84	15.32	54.6	7.1	4	93.0	12	22
CEA 5002 81 6D	26.66	19.63	81.8	10.6	6	110.0	12	22
CEA 5002 108 6D	29.06	21.31	109.1	14.2	8	120	12	22
CEA 5003 82 6D	31.17	22.78	83.6	10.9	4	135.0	12	22
CEA 5003 122 6D	41.22	30.56	125.3	16.3	6	162.0	12	22
CEA 5003 163 6D	45.98	34.16	165.5	21.5	8	182	16	35
CEA 5004 109 6D	41.63	30.62	110.9	14.4	4	156	16	35
CEA 5004 164 6D	53.37	39.32	166.4	21.6	6	199	16	35
CEA 5004 219 6D	59.09	43.35	221.8	28.8	8	240	16	35

EVAPORATORS/ 蒸发器 CO2

FIN SPACING 6 mm, with electrical defrost. Rt>=-18°C

片距6mm, 带电化霜库温>=-18°C

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜		
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m3/h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Drain Pan/ 接水盘 (W)	Total/ 总 功率 (W)
CEA 2501 06 6D	250	1	1 ~ 230	44	0.2	793	4	2 × 440	1 × 440	1320
CEA 2502 11 6D	250	2	1 ~ 230	88	0.4	1587	5	2 × 730	1 × 730	2190
CEA 2503 17 6D	250	3	1 ~ 230	132	0.6	2382	6	2 × 1030	1 × 1030	3090
CEA 2504 23 6D	250	4	1 ~ 230	176	0.8	3175	7	2 × 1310	1 × 1310	3930
CEA 2505 29 6D	250	5	1 ~ 230	220	1.0	3969	8	2 × 1600	1 × 1600	4800
CEA 2506 35 6D	250	6	1 ~ 230	264	1.2	4764	10	2 × 1890	1 × 1890	5670
CEA 3001 08 6D	300	1	1 ~ 230	72	0.3	1341	6	3 × 440	1 × 440	1760
CEA 3002 15 6D	300	2	1 ~ 230	144	0.6	2683	7	3 × 730	1 × 730	2920
CEA 3003 23 6D	300	3	1 ~ 230	216	1.0	4025	9	3 × 1030	1 × 1030	4120
CEA 3004 31 6D	300	4	1 ~ 230	288	1.3	5367	11	3 × 1310	1 × 1310	5240
CEA 3005 38 6D	300	5	1 ~ 230	360	1.6	6710	13	3 × 1600	1 × 1600	6400
CEA 3006 46 6D	300	6	1 ~ 230	432	1.9	8051	15	3 × 1890	1 × 1890	7560
CEA 3501 10 6D	350	1	1 ~ 230	130	0.6	1894	10	4 × 440	2 × 440	2640
CEA 3502 19 6D	350	2	1 ~ 230	260	1.2	3793	14	4 × 730	2 × 730	4380
CEA 3503 28 6D	350	3	1 ~ 230	390	1.7	5693	16	4 × 1030	2 × 1030	6180
CEA 3504 38 6D	350	4	1 ~ 230	520	2.3	7595	20	4 × 1310	2 × 1310	7860
CEA 3505 48 6D	350	5	1 ~ 230	650	2.9	9492	22	4 × 1600	2 × 1600	9600
CEA 3506 57 6D	350	6	1 ~ 230	780	3.5	11392	24	4 × 1890	2 × 1890	11340
CEA 4001 13 6D	400	1	1 ~ 230	160	0.7	3271	11	4 × 550	1 × 550	2750
CEA 4002 27 6D	400	2	1 ~ 230	320	1.5	6491	14	4 × 1030	1 × 1030	5150
CEA 4003 36 6D	400	3	1 ~ 230	480	2.2	9294	16	4 × 1310	1 × 1310	6550
CEA 4004 54 6D	400	4	1 ~ 230	640	2.9	12983	19	4 × 1890	1 × 1890	9450
CEA 4501 20 6D	450	1	3 ~ 400	460	1.0	5656	15	4 × 730	1 × 730	3650
CEA 4502 41 6D	450	2	3 ~ 400	920	1.9	11317	18	4 × 1310	1 × 1310	6550
CEA 4503 61 6D	450	3	3 ~ 400	1380	2.9	16969	22	4 × 1890	1 × 1890	9450
CEA 4504 82 6D	450	4	3 ~ 400	1840	3.8	22638	24	4 × 2470	1 × 2470	12350
CEA 5001 26 6D	500	1	3 ~ 400	820	1.6	7764	24	6 × 730	1 × 730	5110
CEA 5001 39 6D	500	1	3 ~ 400	820	1.6	7031	21	7 × 730	2 × 730	6570
CEA 5001 52 6D	500	1	3 ~ 400	770	1.7	6304	18	8 × 730	2 × 730	7300
CEA 5002 54 6D	500	2	3 ~ 400	1640	3.2	15703	24	6 × 1400	1 × 1400	9800
CEA 5002 81 6D	500	2	3 ~ 400	1640	3.2	14278	20	7 × 1400	2 × 1400	12600
CEA 5002 108 6D	500	2	3 ~ 400	1540	3.3	12832	16	8 × 1400	2 × 1400	14000
CEA 5003 82 6D	500	3	3 ~ 400	2460	4.8	23711	29	6 × 2050	1 × 2050	14350
CEA 5003 122 6D	500	3	3 ~ 400	2460	4.8	21621	24	7 × 2050	2 × 2050	18450
CEA 5003 163 6D	500	3	3 ~ 400	2310	5.0	19362	19	8 × 2050	2 × 2050	20500
CEA 5004 109 6D	500	4	3 ~ 400	3080	6.6	30519	34	6 × 3390	1 × 3390	23730
CEA 5004 164 6D	500	4	3 ~ 400	3080	6.6	28029	29	7 × 3390	2 × 3390	30510
CEA 5004 219 6D	500	4	3 ~ 400	3080	6.6	25885	24	8 × 3390	2 × 3390	33900

# COMMERCIAL CUBIC EVAPORATORS

商用蒸发器

CO2

FIN SPACING 6 mm, with electrical defrost. Rt>=-18°C

片距6mm, 带电化霜库温>=-18°C

Model / 型号	Capacity / Capacidad CO2 (kW)		Surface/ 面积 (m2)	Tube Volume/ 管容积 (dm3)	Coil Rows 列数	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = -8°C	t <sub>e</sub> = -25°C					Inlet/ 进口	Outlet/ 出口
	DT1=8K	DT1=7K						
CEA 5501 35 6D	11.65	8.43	35.6	4.6	4	106	12	18
CEA 5501 53 6D	15.33	11.16	53.3	6.9	6	122	12	18
CEA 5501 70 6D	17.84	13.14	71.1	9.2	8	142	16	22
CEA 5502 72 6D	24.51	17.93	73.1	9.5	4	191	16	28
CEA 5502 108 6D	30.9	22.44	109.7	14.3	6	224	16	28
CEA 5502 144 6D	36.96	27.37	146.3	19	8	262	16	28
CEA 5503 109 6D	35.45	25.59	110.7	14.4	4	275	16	28
CEA 5503 164 6D	48.09	35.25	166.1	21.6	6	326	16	35
CEA 5503 218 6D	54.53	40.01	221.4	28.8	8	381	16	35
CEA 5504 146 6D	49.52	36.22	148.3	19.3	4	361	16	42
CEA 5504 219 6D	62.5	45.41	222.4	28.9	6	427	16	42
CEA 5504 292 6D	68.46	49.45	296.6	38.5	8	500	16	42
CEA 6301 50 6D	17.07	12.53	50.7	6.6	4	141	16	22
CEA 6301 75 6D	22.86	16.79	76	9.9	6	164	16	22
CEA 6301 100 6D	26.43	19.49	101.3	13.2	8	190	16	28
CEA 6301 125 6D	25.08	18.7	124.7	27.5	10	219	16	28
CEA 6302 102 6D	35.24	25.64	103.7	13.5	4	256	16	35
CEA 6302 153 6D	46.45	34.14	155.5	20.2	6	303	16	35
CEA 6302 204 6D	53.76	39.66	207.4	26.9	8	354	16	42
CEA 6302 255 6D	48.62	35.96	255.3	56.2	10	408	2 x 16	2 x 28
CEA 6303 154 6D	53.7	39.26	156.7	20.4	4	373	16	42
CEA 6303 232 6D	68.94	50.32	235.1	30.5	6	441	16	42
CEA 6303 309 6D	76.66	55.67	313.4	40.7	8	516	16	42
CEA 6303 386 6D	78.92	59.87	385.9	85	10	596	2 x 16	2 x 35
CEA 6304 207 6D	71.12	51.76	209.7	27.2	4	487	16	42
CEA 6304 310 6D	86.89	62.5	314.6	40.9	6	577	16	42
CEA 6304 413 6D	108.41	80	419.5	54.5	8	678	2 x 16	2 x 35
CEA 6304 517 6D	109.39	81.8	516.5	113.7	10	781	2 x 16	2 x 35
CEA 8001 81 6D	28.36	20.75	82.1	10.7	4	201	16	28
CEA 8001 121 6D	35.29	25.58	123.1	16	6	236	16	28
CEA 8001 162 6D	42.08	30.96	164.1	21.3	8	282	16	35
CEA 8001 202 6D	36.1	27.42	202.1	44.5	10	322	2 x 16	2 x 28
CEA 8002 165 6D	55.93	40.55	167.4	21.7	4	366	16	42
CEA 8002 247 6D	73.3	53.5	251.1	32.6	6	441	16	42
CEA 8002 330 6D	85.55	62.9	334.9	43.5	8	529	16	42
CEA 8002 412 6D	80.7	59.98	412.3	90.8	10	604	2 x 16	2 x 35
CEA 8003 249 6D	86.85	63.56	252.8	32.8	4	534	16	54
CEA 8003 374 6D	108.31	78.67	379.2	49.3	6	643	16	54
CEA 8003 498 6D	130.94	96.81	505.6	65.7	8	771	2 x 16	2 x 42
CEA 8003 623 6D	128.47	97.28	622.5	137.1	10	881	2 x 16	2 x 42

EVAPORATORS/ 蒸发器 CO2

FIN SPACING 6 mm, with electrical defrost. Rt>=-18°C

片距6mm, 带电化霜库温>=-18°C

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜		
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m3/h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Drain Pan/ 接水盘 (W)	Total/ 总 功率 (W)
CEA 5501 35 6D	550	1	3 ~ 400	720	2.7	8074	17	4 × 1280	1 × 1280	6400
CEA 5501 53 6D	550	1	3 ~ 400	720	2.7	7747	16	6 × 1280	2 × 1280	10240
CEA 5501 70 6D	550	1	3 ~ 400	720	2.7	7357	15	8 × 1280	2 × 1280	12800
CEA 5502 72 6D	550	2	3 ~ 400	1440	5.4	16230	20	4 × 2320	1 × 2320	11600
CEA 5502 108 6D	550	2	3 ~ 400	1440	5.4	15604	19	6 × 2320	2 × 2320	18560
CEA 5502 144 6D	550	2	3 ~ 400	1440	5.4	14874	18	8 × 2320	2 × 2320	23200
CEA 5503 109 6D	550	3	3 ~ 400	2160	8.1	24373	23	4 × 3200	1 × 3200	16000
CEA 5503 164 6D	550	3	3 ~ 400	2160	8.1	23457	22	6 × 3200	2 × 3200	25600
CEA 5503 218 6D	550	3	3 ~ 400	2160	8.1	22399	21	8 × 3200	2 × 3200	32000
CEA 5504 146 6D	550	4	3 ~ 400	2880	10.8	32538	27	4 × 4260	1 × 4260	21300
CEA 5504 219 6D	550	4	3 ~ 400	2880	10.8	31293	26	6 × 4260	2 × 4260	34080
CEA 5504 292 6D	550	4	3 ~ 400	2880	10.8	29916	25	8 × 4260	2 × 4260	42600
CEA 6301 50 6D	630	1	3 ~ 400	1100	2.2	11978	20	5 × 1510	1 × 1510	9060
CEA 6301 75 6D	630	1	3 ~ 400	1100	2.2	11491	19	7 × 1510	2 × 1510	13590
CEA 6301 100 6D	630	1	3 ~ 400	1100	2.2	10943	18	9 × 1510	2 × 1510	16610
CEA 6301 125 6D	630	1	3 ~ 400	1100	2.2	10319	17	12 × 1510	2 × 1510	21140
CEA 6302 102 6D	630	2	3 ~ 400	2200	4.4	24044	23	5 × 2740	1 × 2740	16440
CEA 6302 153 6D	630	2	3 ~ 400	2200	4.4	23101	22	7 × 2740	2 × 2740	24660
CEA 6302 204 6D	630	2	3 ~ 400	2200	4.4	22053	21	9 × 2740	2 × 2740	30140
CEA 6302 255 6D	630	2	3 ~ 400	2200	4.4	20822	20	12 × 2740	2 × 2740	38360
CEA 6303 154 6D	630	3	3 ~ 400	3300	6.6	36112	27	5 × 3800	1 × 3800	22800
CEA 6303 232 6D	630	3	3 ~ 400	3300	6.6	34706	26	7 × 3800	2 × 3800	34200
CEA 6303 309 6D	630	3	3 ~ 400	3300	6.6	33133	25	9 × 3800	2 × 3800	41800
CEA 6303 386 6D	630	3	3 ~ 400	3300	6.6	31295	24	12 × 3800	2 × 3800	53200
CEA 6304 207 6D	630	4	3 ~ 400	4400	8.8	48157	34	5 × 5060	1 × 5060	30360
CEA 6304 310 6D	630	4	3 ~ 400	4400	8.8	46274	32	7 × 5060	2 × 5060	45540
CEA 6304 413 6D	630	4	3 ~ 400	4400	8.8	44201	30	9 × 5060	2 × 5060	55660
CEA 6304 517 6D	630	4	3 ~ 400	4400	8.8	41769	28	12 × 5060	2 × 5060	70840
CEA 8001 81 6D	800	1	3 ~ 400	1600	3.5	19462	25	7 × 1700	1 × 1700	13600
CEA 8001 121 6D	800	1	3 ~ 400	1600	3.5	18472	24	10 × 1700	2 × 1700	20400
CEA 8001 162 6D	800	1	3 ~ 400	1600	3.5	17550	23	16 × 1700	2 × 1700	30600
CEA 8001 202 6D	800	1	3 ~ 400	1600	3.5	16389	22	16 × 1700	2 × 1700	30600
CEA 8002 165 6D	800	2	3 ~ 400	3200	7	39071	29	7 × 2810	1 × 2810	22480
CEA 8002 247 6D	800	2	3 ~ 400	3200	7	37129	28	10 × 2810	2 × 2810	33720
CEA 8002 330 6D	800	2	3 ~ 400	3200	7	35407	27	16 × 2810	2 × 2810	50580
CEA 8002 412 6D	800	2	3 ~ 400	3200	7	33034	26	16 × 2810	2 × 2810	50580
CEA 8003 249 6D	800	3	3 ~ 400	4800	10.5	58702	34	7 × 4420	1 × 4420	35360
CEA 8003 374 6D	800	3	3 ~ 400	4800	10.5	55725	33	10 × 4420	2 × 4420	53040
CEA 8003 498 6D	800	3	3 ~ 400	4800	10.5	53203	32	16 × 4420	2 × 4420	79560
CEA 8003 623 6D	800	3	3 ~ 400	4800	10.5	49668	31	16 × 4420	2 × 4420	79560

# COMMERCIAL CUBIC EVAPORATORS

CO2

商用蒸发器

FIN SPACING 9 mm, with electrical defrost. Rt>=-35°C

片距9mm, 带电加热。库温>=-35°C

Model / 型号	Capacity / Capacidad CO2 (kW)		Surface/ 面积 (m2)	Tube Volume/ 管容积 (dm3)	Coil Rows 列数	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = -8°C	t <sub>e</sub> = -25°C					Inlet/ 进口	Outlet/ 出口
	DT1=8K	DT1=7K						
CEA 2501 04 9D	1.21	0.88	4.0	0.8		11.0	10	10
CEA 2502 08 9D	2.37	1.71	8.1	1.5		19.0	10	10
CEA 2503 12 9D	3.68	2.68	12.1	2.3		27.0	10	15
CEA 2504 16 9D	4.79	3.47	16.1	3.0		36.0	10	15
CEA 2505 20 9D	5.72	4.09	20.2	3.8		44.0	10	15
CEA 2506 24 9D	7.22	5.23	24.2	4.6		51.0	12	15
CEA 3001 06 9D	1.84	1.34	5.4	1.0		14.0	10	10
CEA 3002 10 9D	3.72	2.71	10.7	2.0		24.0	10	15
CEA 3003 16 9D	5.36	3.87	16.1	3.0		33.0	10	15
CEA 3004 21 9D	7.33	5.32	21.5	4.0		43.0	12	15
CEA 3005 27 9D	9.25	6.73	26.9	5.1		53.0	12	19
CEA 3006 31 9D	10.84	7.84	32.3	6.1		63.0	12	19
CEA 3501 07 9D	2.59	1.88	6.7	1.3		17.0	10	10
CEA 3502 13 9D	5.31	3.88	13.4	2.5		31.0	10	15
CEA 3503 20 9D	8.03	5.88	20.2	3.8		44.0	12	15
CEA 3504 27 9D	10.98	8.11	26.9	5.1		57.0	12	22
CEA 3505 34 9D	13.47	9.89	33.6	6.3		70.0	12	22
CEA 3506 40 9D	16.20	11.89	40.4	7.6		84.0	12	22
CEA 4001 09 9D	3.90	2.85	9.6	1.8		22.0	10	15
CEA 4002 18 9D	7.75	5.68	18.8	3.5		39.0	12	19
CEA 4003 24 9D	10.59	7.72	25.1	4.7		53.0	12	19
CEA 4004 36 9D	15.53	11.36	37.7	7.1		74.0	12	22
CEA 4501 14 9D	6.24	4.56	14.3	2.7		28.0	12	19
CEA 4502 28 9D	12.52	9.15	28.7	5.4		51.0	12	22
CEA 4503 41 9D	18.91	13.82	43.1	8.1		74.0	12	22
CEA 4504 57 9D	25.08	18.35	57.4	10.8		97.0	12	22
CEA 5001 17 9D	8.30	6.07	18.2	3.4	4	49.0	12	19
CEA 5001 26 9D	10.71	7.79	27.3	5.1	6	57.0	12	19
CEA 5001 36 9D	13.14	9.72	36.4	6.8	8	56	12	22
CEA 5002 36 9D	17.05	12.48	37.7	7.1	4	89.0	12	22
CEA 5002 54 9D	22.66	16.63	56.5	10.6	6	105.0	12	22
CEA 5002 75 9D	26.12	19.11	75.4	14.2	8	112	12	22
CEA 5003 54 9D	25.75	18.77	57.7	10.9	4	129.0	12	22
CEA 5003 82 9D	34.65	25.50	86.6	16.3	6	154.0	12	22
CEA 5003 114 9D	40.78	30.12	114.3	21.5	8	170	16	35
CEA 5004 76 9D	34.37	25.17	76.6	14.4	4	149	16	35
CEA 5004 114 9D	45.96	33.73	114.9	21.6	6	188	16	35
CEA 5004 152 9D	53.06	38.85	153.2	28.8	8	225	16	35

EVAPORATORS/ 蒸发器 CO2



FIN SPACING 9 mm, with electrical defrost. Rt>=-35°C

片距9mm, 带电加热。库温>=-35°C

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜		
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m3/h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Drain Pan/ 接水盘 (W)	Total/ 总 功率 (W)
CEA 2501 04 9D	250	1	1 ~ 230	44	0.2	834	4	2 × 440	1 × 440	1320
CEA 2502 08 9D	250	2	1 ~ 230	88	0.4	1668	5	2 × 730	1 × 730	2190
CEA 2503 12 9D	250	3	1 ~ 230	132	0.6	2503	6	2 × 1030	1 × 1030	3090
CEA 2504 16 9D	250	4	1 ~ 230	176	0.8	3337	7	2 × 1310	1 × 1310	3930
CEA 2505 20 9D	250	5	1 ~ 230	220	1.0	4171	9	2 × 1600	1 × 1600	4800
CEA 2506 24 9D	250	6	1 ~ 230	264	1.2	5006	10	2 × 1890	1 × 1890	5670
CEA 3001 06 9D	300	1	1 ~ 230	72	0.3	1404	6	3 × 440	1 × 440	1760
CEA 3002 10 9D	300	2	1 ~ 230	144	0.6	2810	7	3 × 730	1 × 730	2920
CEA 3003 16 9D	300	3	1 ~ 230	216	1.0	4214	9	3 × 1030	1 × 1030	4120
CEA 3004 21 9D	300	4	1 ~ 230	288	1.3	5620	11	3 × 1310	1 × 1310	5240
CEA 3005 27 9D	300	5	1 ~ 230	360	1.6	7026	13	3 × 1600	1 × 1600	6400
CEA 3006 31 9D	300	6	1 ~ 230	432	1.9	8430	15	3 × 1890	1 × 1890	7560
CEA 3501 07 9D	350	1	1 ~ 230	130	0.6	2059	11	4 × 440	2 × 440	2640
CEA 3502 13 9D	350	2	1 ~ 230	260	1.2	4124	14	4 × 730	2 × 730	4380
CEA 3503 20 9D	350	3	1 ~ 230	390	1.7	6189	17	4 × 1030	2 × 1030	6180
CEA 3504 27 9D	350	4	1 ~ 230	520	2.3	8257	20	4 × 1310	2 × 1310	7860
CEA 3505 34 9D	350	5	1 ~ 230	650	2.9	10319	22	4 × 1600	2 × 1600	9600
CEA 3506 40 9D	350	6	1 ~ 230	780	3.5	12384	24	4 × 1890	2 × 1890	11340
CEA 4001 09 9D	400	1	1 ~ 230	160	0.7	3418	11	4 × 550	1 × 550	2750
CEA 4002 18 9D	400	2	1 ~ 230	320	1.5	6788	14	4 × 1030	1 × 1030	5150
CEA 4003 24 9D	400	3	1 ~ 230	480	2.2	9780	16	4 × 1310	1 × 1310	6550
CEA 4004 36 9D	400	4	1 ~ 230	640	2.9	13578	20	4 × 1890	1 × 1890	9450
CEA 4501 14 9D	450	1	3 ~ 400	460	1.0	5878	15	4 × 730	1 × 730	3650
CEA 4502 28 9D	450	2	3 ~ 400	920	1.9	11759	18	4 × 1310	1 × 1310	6550
CEA 4503 41 9D	450	3	3 ~ 400	1380	2.9	17632	22	4 × 1890	1 × 1890	9450
CEA 4504 57 9D	450	4	3 ~ 400	1840	3.8	23521	24	4 × 2470	1 × 2470	12350
CEA 5001 17 9D	500	1	3 ~ 400	820	1.6	8094	26	6 × 730	1 × 730	5110
CEA 5001 26 9D	500	1	3 ~ 400	820	1.6	7437	23	7 × 730	2 × 730	6570
CEA 5001 36 9D	500	1	3 ~ 400	820	1.6	6892	20	8 × 730	2 × 730	7300
CEA 5002 36 9D	500	2	3 ~ 400	1640	3.2	16344	24	6 × 1400	1 × 1400	9800
CEA 5002 54 9D	500	2	3 ~ 400	1640	3.2	15075	20	7 × 1400	2 × 1400	12600
CEA 5002 75 9D	500	2	3 ~ 400	1640	3.2	13995	16	8 × 1400	2 × 1400	14000
CEA 5003 54 9D	500	3	3 ~ 400	2460	4.8	24638	29	6 × 2050	1 × 2050	14350
CEA 5003 82 9D	500	3	3 ~ 400	2460	4.8	22793	24	7 × 2050	2 × 2050	18450
CEA 5003 114 9D	500	3	3 ~ 400	2460	4.8	21102	19	8 × 2050	2 × 2050	20500
CEA 5004 76 9D	500	4	3 ~ 400	3280	6.4	32828	34	6 × 3390	1 × 3390	23730
CEA 5004 114 9D	500	4	3 ~ 400	3280	6.4	30332	29	7 × 3390	2 × 3390	30510
CEA 5004 152 9D	500	4	3 ~ 400	3280	6.4	28200	24	8 × 3390	2 × 3390	33900

# COMMERCIAL CUBIC EVAPORATORS

商用蒸发器

CO2

FIN SPACING 9 mm, with electrical defrost. Rt>=-35°C

片距9mm, 带电加热。库温>=-35°C

Model / 型号	Capacity / Capacidad CO2 (kW)		Surface/ 面积 (m2)	Tube Volume/ 管容积 (dm3)	Coil Rows 列数	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = -8°C	t <sub>e</sub> = -25°C					Inlet/ 进口	Outlet/ 出口
	DT1=8K	DT1=7K						
CEA 5501 24 9D	9.6	6.95	24.6	4.6	4	103	12	18
CEA 5501 37 9D	12.96	9.42	36.8	6.9	6	119	12	18
CEA 5501 49 9D	15.56	11.36	49.1	9.2	8	137	16	22
CEA 5502 50 9D	19.83	14.44	50.5	9.5	4	186	16	28
CEA 5502 75 9D	26.22	19.03	75.8	14.3	6	216	16	28
CEA 5502 101 9D	31.84	23.32	101	19	8	252	16	28
CEA 5503 76 9D	29.33	21.2	76.5	14.4	4	267	16	28
CEA 5503 114 9D	40.23	29.36	114.7	21.6	6	314	16	35
CEA 5503 152 9D	47.59	34.72	152.9	28.8	8	366	16	35
CEA 5504 102 9D	40.05	29.16	102.4	19.3	4	351	16	42
CEA 5504 153 9D	52.99	38.48	153.6	28.9	6	412	16	42
CEA 5504 204 9D	60.81	43.86	204.8	38.5	8	480	16	42
CEA 6301 35 9D	13.64	9.89	35	6.6	4	138	16	22
CEA 6301 52 9D	19.02	13.87	52.5	9.9	6	158	16	22
CEA 6301 70 9D	22.86	16.74	70	13.2	8	183	16	28
CEA 6301 70 9D	21.75	16.74	87	27.5	10	183	16	28
CEA 6302 71 9D	28.64	20.78	71.6	13.5	4	250	16	35
CEA 6302 107 9D	38.62	28.18	107.4	20.2	6	293	16	35
CEA 6302 143 9D	46.45	34.04	143.2	26.9	8	340	16	42
CEA 6302 178 9D	40.42	30.12	178.1	56.2	10	391	2 x 16	2 x 28
CEA 6303 108 9D	43.14	31.35	108.2	20.4	4	362	16	42
CEA 6303 162 9D	58.11	42.31	162.4	30.5	6	425	16	42
CEA 6303 215 9D	67.52	48.96	216.5	40.7	8	495	16	42
CEA 6303 269 9D	68.83	51.28	269.2	85	10	570	2 x 16	2 x 35
CEA 6304 144 9D	57.75	41.91	144.9	27.2	4	473	16	42
CEA 6304 216 9D	74.71	53.85	217.3	40.9	6	556	16	42
CEA 6304 288 9D	93.62	68.62	289.7	54.5	8	649	2 x 16	2 x 35
CEA 6304 360 9D	95.99	71.74	360.2	113.7	10	746	2 x 16	2 x 35
CEA 8001 56 9D	23.03	16.77	56.7	10.7	4	195	16	28
CEA 8001 85 9D	30.14	21.87	85	16	6	228	16	28
CEA 8001 113 9D	36.64	26.79	113.4	21.3	8	271	16	35
CEA 8001 141 9D	29.95	22.87	141	44.5	10	308	2 x 16	2 x 28
CEA 8002 115 9D	46.09	33.41	115.6	21.7	4	355	16	42
CEA 8002 173 9D	62.08	45.25	173.5	32.6	6	423	16	42
CEA 8002 230 9D	74.34	54.4	231.3	43.5	8	506	16	42
CEA 8002 288 9D	69.69	50.84	287.6	90.8	10	576	2 x 16	2 x 35
CEA 8003 174 9D	70.41	51.31	174.6	32.8	4	517	16	54
CEA 8003 261 9D	92.4	67.12	261.9	49.3	6	618	16	54
CEA 8003 347 9D	112.66	82.64	349.2	65.7	8	737	2 x 16	2 x 42
CEA 8003 434 9D	113.35	85.36	434.2	137.1	10	839	2 x 16	2 x 42

EVAPORATORS/ 蒸发器 CO2

FIN SPACING 9 mm, with electrical defrost. Rt>=-35°C

片距9mm, 带电加热。库温>=-35°C

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜		
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m3/h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Drain Pan/ 接水盘 (W)	Total/ 总 功率 (W)
CEA 5501 24 9D	550	1	3 ~ 400	720	2.7	8257	17	4 × 1280	1 × 1280	6400
CEA 5501 37 9D	550	1	3 ~ 400	720	2.7	7957	16	6 × 1280	2 × 1280	10240
CEA 5501 49 9D	550	1	3 ~ 400	720	2.7	7663	16	8 × 1280	2 × 1280	12800
CEA 5502 50 9D	550	2	3 ~ 400	1440	5.4	16586	21	4 × 2320	1 × 2320	11600
CEA 5502 75 9D	550	2	3 ~ 400	1440	5.4	15857	20	6 × 2320	2 × 2320	18560
CEA 5502 101 9D	550	2	3 ~ 400	1440	5.4	15254	19	8 × 2320	2 × 2320	23200
CEA 5503 76 9D	550	3	3 ~ 400	2160	8.1	24903	24	4 × 3200	1 × 3200	16000
CEA 5503 114 9D	550	3	3 ~ 400	2160	8.1	24049	23	6 × 3200	2 × 3200	25600
CEA 5503 152 9D	550	3	3 ~ 400	2160	8.1	23205	22	8 × 3200	2 × 3200	32000
CEA 5504 102 9D	550	4	3 ~ 400	2880	10.8	33241	28	4 × 4260	1 × 4260	21300
CEA 5504 153 9D	550	4	3 ~ 400	2880	10.8	32100	27	6 × 4260	2 × 4260	34080
CEA 5504 204 9D	550	4	3 ~ 400	2880	10.8	30957	26	8 × 4260	2 × 4260	42600
CEA 6301 35 9D	630	1	3 ~ 400	1100	2.2	12177	20	5 × 1510	1 × 1510	9060
CEA 6301 52 9D	630	1	3 ~ 400	1100	2.2	11812	19	7 × 1510	2 × 1510	13590
CEA 6301 70 9D	630	1	3 ~ 400	1100	2.2	11354	19	9 × 1510	2 × 1510	16610
CEA 6301 70 9D	630	1	3 ~ 400	1100	2.2	10792	18	12 × 1510	2 × 1510	21140
CEA 6302 71 9D	630	2	3 ~ 400	2200	4.4	24405	24	5 × 2740	1 × 2740	16440
CEA 6302 107 9D	630	2	3 ~ 400	2200	4.4	23733	23	7 × 2740	2 × 2740	24660
CEA 6302 143 9D	630	2	3 ~ 400	2200	4.4	22851	22	9 × 2740	2 × 2740	30140
CEA 6302 178 9D	630	2	3 ~ 400	2200	4.4	21767	21	12 × 2740	2 × 2740	38360
CEA 6303 108 9D	630	3	3 ~ 400	3300	6.6	36642	28	5 × 3800	1 × 3800	22800
CEA 6303 162 9D	630	3	3 ~ 400	3300	6.6	35653	27	7 × 3800	2 × 3800	34200
CEA 6303 215 9D	630	3	3 ~ 400	3300	6.6	34330	26	9 × 3800	2 × 3800	41800
CEA 6303 269 9D	630	3	3 ~ 400	3300	6.6	32683	25	12 × 3800	2 × 3800	53200
CEA 6304 144 9D	630	4	3 ~ 400	4400	8.8	48861	35	5 × 5060	1 × 5060	30360
CEA 6304 216 9D	630	4	3 ~ 400	4400	8.8	47609	33	7 × 5060	2 × 5060	45540
CEA 6304 288 9D	630	4	3 ~ 400	4400	8.8	45798	31	9 × 5060	2 × 5060	55660
CEA 6304 360 9D	630	4	3 ~ 400	4400	8.8	43611	29	12 × 5060	2 × 5060	70840
CEA 8001 56 9D	800	1	3 ~ 400	1600	3.5	19936	25	7 × 1700	1 × 1700	13600
CEA 8001 85 9D	800	1	3 ~ 400	1600	3.5	19067	24	10 × 1700	2 × 1700	20400
CEA 8001 113 9D	800	1	3 ~ 400	1600	3.5	18247	23	16 × 1700	2 × 1700	30600
CEA 8001 141 9D	800	1	3 ~ 400	1600	3.5	17385	22	16 × 1700	2 × 1700	30600
CEA 8002 115 9D	800	2	3 ~ 400	3200	7	39987	30	7 × 2810	1 × 2810	22480
CEA 8002 173 9D	800	2	3 ~ 400	3200	7	38339	29	10 × 2810	2 × 2810	33720
CEA 8002 230 9D	800	2	3 ~ 400	3200	7	36699	28	16 × 2810	2 × 2810	50580
CEA 8002 288 9D	800	2	3 ~ 400	3200	7	34944	27	16 × 2810	2 × 2810	50580
CEA 8003 174 9D	800	3	3 ~ 400	4800	10.5	60065	37	7 × 4420	1 × 4420	35360
CEA 8003 261 9D	800	3	3 ~ 400	4800	10.5	57571	35	10 × 4420	2 × 4420	53040
CEA 8003 347 9D	800	3	3 ~ 400	4800	10.5	55110	33	16 × 4420	2 × 4420	79560
CEA 8003 434 9D	800	3	3 ~ 400	4800	10.5	52480	31	16 × 4420	2 × 4420	79560

### AVAILABLE OPTIONS FOR CEA 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  $\varnothing 500$  mm or bigger models
- Streamers: Air-guiding device for increased airthrow

#### Casing options:

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

#### Other options:

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

### CEA系列选配件:

#### 化霜:

- 无化霜 (空气)
- D: 电化霜: 标准型号
- HG: 热氟
- W: 水
- HGD: 内芯热氟化霜, 接水盘电化霜
- WD: 水和电化霜

#### 盘管材质:

- 铜管: 标准型号
- SS1: 304不锈钢

#### 内芯材质:

- 铝箔: 标准型号
- 高防腐性的金色铝箔

#### 风机:

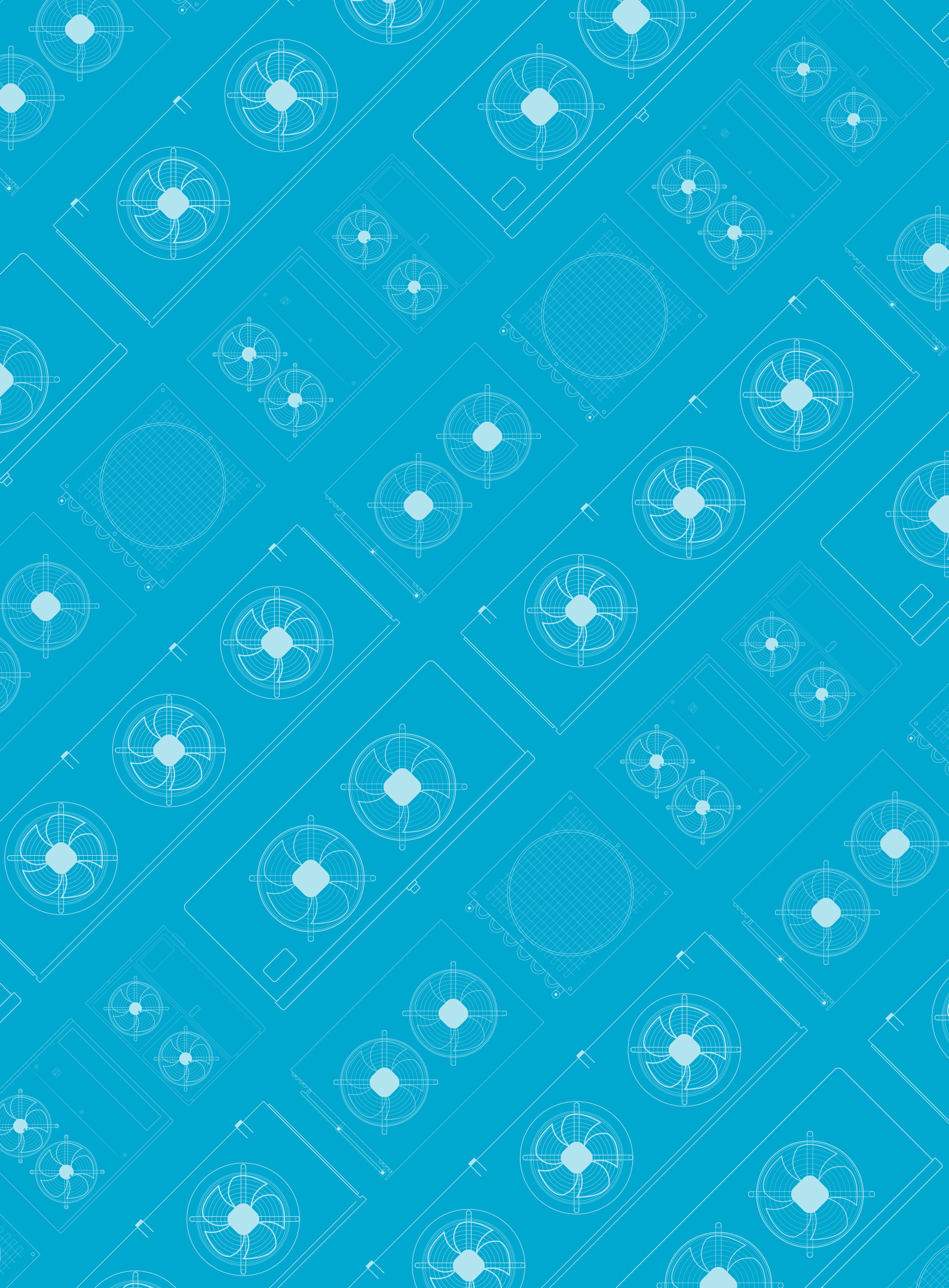
- EC风机
- 风筒电加热: 仅供500mm及以上的风机
- 导风筒: 增加射程

#### 外壳:

- 铝制白色喷涂: 标准型号
- SS2: 304不锈钢

#### 其他:

- 双接水盘 (低温工况推荐)
- 电化霜热保护器







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

The CED 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 CED range are built with geometries of recognized high efficiency, with special profile aluminum fins and  $\varnothing 9.52$  mm (CED 25XX) or  $\varnothing 12$  mm (CED 35XX) internally grooved or  $\varnothing 15$  mm (HEC 40XX and above) high quality copper tubes, with high heat transfer coefficient. They are supplied clean and tested under a pressure of 30 bar.

The CED 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:

- CED 25XX XX 4.5X: with 4.5 mm pitch ( $R_t \geq 0^\circ\text{C}$ )
- CED 35XX XX 4X and above: with 4 mm pitch ( $R_t \geq 0^\circ\text{C}$ )

For medium temperatures in the cold room:

- CED 35XX XX 6X: with 6 mm pitch ( $R_t \geq -18^\circ\text{C}$ )
- CED 40XX XX 7X and above: with 7 mm pitch ( $R_t \geq -20^\circ\text{C}$ )

For low temperatures in the cold room:

- CED Plus 40XX XX 9X and above: with 9 mm pitch ( $R_t \geq -35^\circ\text{C}$ )
- CED 40XX XX 10X and above: with 10 mm pitch ( $R_t \geq -35^\circ\text{C}$ )

### CED SERIES EVAPORATOR 蒸发器系列 CED

CED系列双出风蒸发器适用于中低空间高度冷库的冷冻冷藏需求，同时也能应用于工作间。

CED的高效内芯采用铝箔和 $\varnothing 9.52$ mm(CED 25XX)或者 $\varnothing 12$ mm (CED 35XX)内螺纹铜管和 $\varnothing 15$ mm(HEC 40XX及以上)光管，具有较高的换热性能。所有内芯均经过清洁和30bar保压测试。

CED有多种片距，满足不同温度的应用：

高温库或工作间：

- CED 25XX XX 4.5X: 4.5mm片距 ( $R_t \geq 0^\circ\text{C}$ )
- CED 35XX XX 4X及以上: 4mm片距 ( $R_t \geq 0^\circ\text{C}$ )

中温库：

- CED 35XX XX 6X: 6mm片距 ( $R_t \geq -18^\circ\text{C}$ )
- CED 40XX XX 7X及以上: 7mm片距( $R_t \geq -20^\circ\text{C}$ )

低温库：

- CED Plus 40XX XX 9X及以上: 9mm片距( $R_t \geq -35^\circ\text{C}$ )
- CED 40XX XX 10X及以上: 10mm片距( $R_t \geq -35^\circ\text{C}$ )



# CED SERIES EVAPORATOR

## 蒸发器系列 CED

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

-Single-phase 230V/1/50 Hz with external rotor, with type K grid and nozzle (short mouth). Operating temperature -40°C to +40°C.

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.

标准的风机配置如下：

-单相230V/1/50Hz外转子电机，带K网罩和短出风口。工作温度-40°C至+40°C。

白色喷涂的铝制外壳，有较高的防腐蚀和抗震性能。

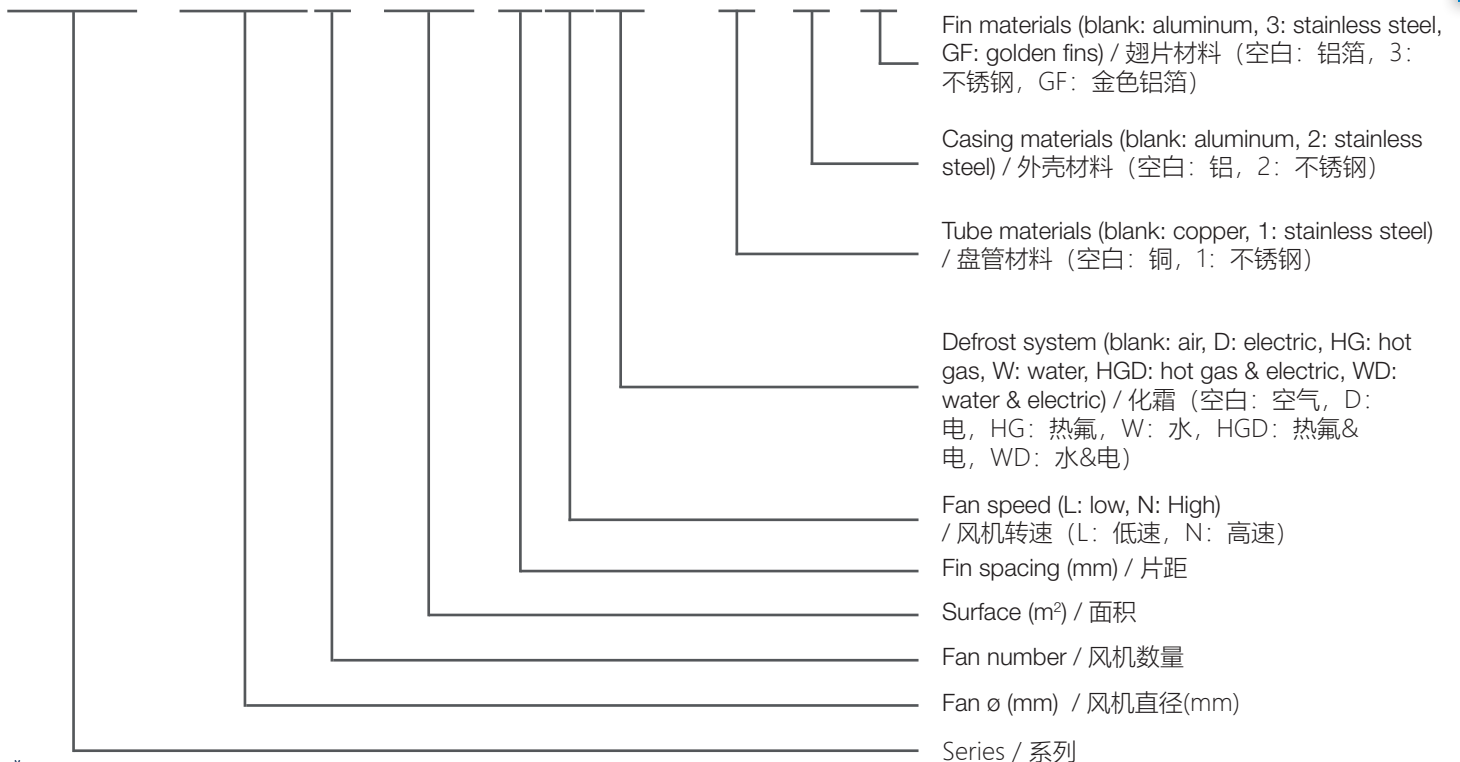
电化霜的电加热管套有不锈钢管，固定于翅片和接水盘内，可隔绝水蒸气，且方便维护。

所有电器有效接地。电线均接入防护等级IP65的电器盒内。

可使用“Unit Selector Hybrid HISPANIA”选型软件查询样册以外的工况性能。

更多需求和信息请联系Hispania。

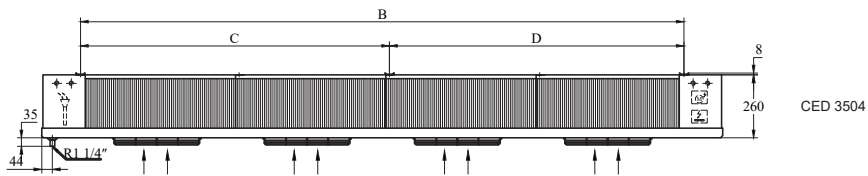
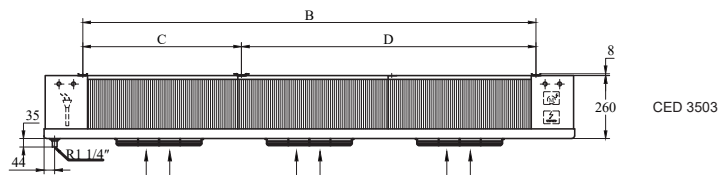
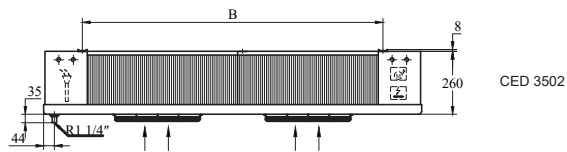
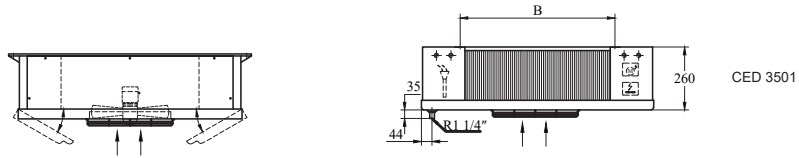
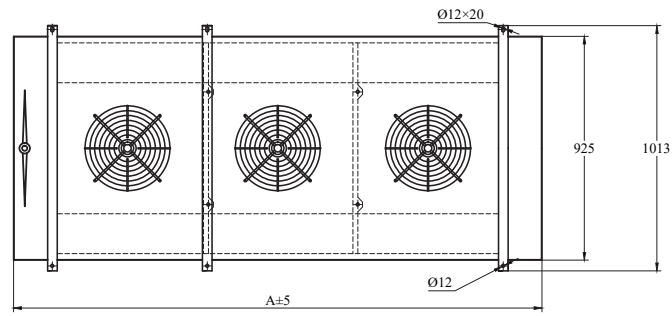
## CED 3502 35 4LD S1 2 3



# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS

## 双出风蒸发器

CO2



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

FIN SPACING 4 mm, with electrical defrost. Rt>=0°C  
片距4mm, 带电加热。库温>=0°C

Model / 型号	Capacity / 制冷量 R404A (kW)		Surface/ 面积/ (m <sup>2</sup> )	Tube Volume/ 管容积 (dm <sup>3</sup> )	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = 0°C	t <sub>e</sub> = -8°C				Inlet/ 进口	Outlet/ 出口
	DT1=10K	DT1=8K					
CED 3501 17 4LD	4.14	2.94	17.4	1.5	29.7	12	22
CED 3501 17 4ND	5.65	3.92	17.4	1.5	29.7	12	22
CED 3502 35 4LD	7.64	5.55	34.9	3.1	49.5	12	22
CED 3502 35 4ND	9.84	7.04	34.9	3.1	49.5	12	22
CED 3503 52 4LD	12.23	8.79	52.4	4.6	69.6	15	28
CED 3503 52 4ND	16.38	11.53	52.4	4.6	69.6	15	28
CED 3504 70 4LD	15.47	11.22	69.8	6.2	89.3	15	28
CED 3504 70 4ND	20.04	14.32	69.8	6.2	89.3	15	28

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜	
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m <sup>3</sup> /h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Total/ 总 功率 (W)
CED 3501 17 4LD	350	1	1 ~ 230	94	0.4	1167	2 × 6	2 × 750	1500
CED 3501 17 4ND	350	1	1 ~ 230	150	0.7	1848	2 × 9	2 × 750	1500
CED 3502 35 4LD	350	2	1 ~ 230	188	0.9	2335	2 × 7	2 × 1250	2500
CED 3502 35 4ND	350	2	1 ~ 230	300	1.5	3696	2 × 10	2 × 1250	2500
CED 3503 52 4LD	350	3	1 ~ 230	282	1.3	3504	2 × 8	2 × 1750	3500
CED 3503 52 4ND	350	3	1 ~ 230	450	2.2	5544	2 × 11	2 × 1750	3500
CED 3504 70 4LD	350	4	1 ~ 230	376	1.7	4672	2 × 9	2 × 2650	5300
CED 3504 70 4ND	350	4	1 ~ 230	600	2.9	7392	2 × 12	2 × 2650	5300

# DUAL DISCHARGE CEILING AIR TYPE EVAPORATORS

CO2

双出风蒸发器

FIN SPACING 6 mm, with electrical defrost. Rt>=-18°C

片距6mm, 带电化霜库温>=-18°C

Model / 型号	Capacity / 制冷量 R404A (kW)		Surface/ 面积 (m <sup>2</sup> )	Tube Volume/ 管容积 (dm <sup>3</sup> )	N.W/ 净重 (kg)	Connection/ 接口尺寸 (ø mm)	
	t <sub>e</sub> = -8°C	t <sub>e</sub> = -25°C				Inlet/ 进口	Outlet/ 出口
	DT1=8K	DT1=7K					
CED 3501 12 6LD	3.72	2.6	11.9	1.5	29.7	12	22
CED 3501 12 6ND	4.78	3.29	11.9	1.5	29.7	12	22
CED 3502 24 6LD	7.02	5.01	23.8	3.1	49.5	12	22
CED 3502 24 6ND	8.69	6.15	23.8	3.1	49.5	12	22
CED 3503 36 6LD	11.08	7.82	35.8	4.6	69.6	15	28
CED 3503 36 6ND	14.08	9.82	35.8	4.6	69.6	15	28
CED 3504 48 6LD	14.19	10.12	47.7	6.2	89.3	15	28
CED 3504 48 6ND	17.63	12.46	47.7	6.2	89.3	15	28

Model/ 型号	Axial Fans/ 轴流风机							Electric Defrost/ 电化霜	
	Diameter 直径 (Φ mm)	N°	Voltage/ 电压 (V, 50Hz)	Power/ 功率 (W)	Current/ 电流 (A)	Air Flow/ 风量 (m <sup>3</sup> /h)	Air Throw/ 射程 (m)	Coil/ 内芯 (W)	Total/ 总 功率 (W)
CED 3501 12 6LD	350	1	1 ~ 230	94	0.4	1267	2 × 6	2 × 750	1500
CED 3501 12 6ND	350	1	1 ~ 230	150	0.7	1879	2 × 9	2 × 750	1500
CED 3502 24 6LD	350	2	1 ~ 230	188	0.9	2533	2 × 7	2 × 1250	2500
CED 3502 24 6ND	350	2	1 ~ 230	300	1.5	3758	2 × 10	2 × 1250	2500
CED 3503 36 6LD	350	3	1 ~ 230	282	1.3	3801	2 × 8	2 × 1750	3500
CED 3503 36 6ND	350	3	1 ~ 230	450	2.2	5638	2 × 11	2 × 1750	3500
CED 3504 48 6LD	350	4	1 ~ 230	376	1.7	5068	2 × 9	2 × 2650	5300
CED 3504 48 6ND	350	4	1 ~ 230	600	2.9	7517	2 × 12	2 × 2650	5300

## AVAILABLE OPTIONS FOR CED 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
- 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
- stainless steel AISI SUS304

### Other options:

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

## HED 系列选配件:

### 化霜:

- 无化霜 (空气)
- D: 电化霜: 标准型号
- HG: 热氟
- W: 水
- HGD: 内芯热氟化霜, 接水盘电化霜
- WD: 水和电化霜

### 盘管材质:

- 铜管: 标准型号
- SS1: 304不锈钢

### 内芯材质:

- 铝箔: 标准型号
- 高防腐性的金色铝箔

### 风机:

- EC风机

### 外壳:

- 铝制白色喷涂: 标准型号
- 304不锈钢

### 其他:

- 双接水盘 (低温工况推荐)
- 电化霜热保护器



工厂（中国）：

泰州伊士班尼亚制冷设备有限公司

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