

CLIMATIC CHAMBER



CLIMATIC CHAMBER

Our chambers offer excellent temperature and lighting management for regulated growth of plants and different product. Its responsive humidification sensor and energy efficient style creates it a most popular selection for a large range of applications.

Used in Tissue Cultivation, Antibiotic Cultivation, Preservation, Controlled Temperature Experiments, Laboratory, Research, Medical.

Also known as Climatic Chamber, Humidity Chamber, Laboratory Climatic Chamber.

CA11 SERIES ILLUMINATING CLIMATE CHAMBER

- Programmable microcomputer based PID controller with LCD display
- Unique air circulation system ensures temperature uniformity
- Mirror finished stainless steel inner chamber and cold-rolling steel with static spray plastics exterior
- Double door design with built-in tempered glass viewing window
- Built in high capacity intelligent humidification system
- Automatic water replenishment by external tank
- 3-side illumination can be adjusted in five steps
- Durable refrigeration system with small temperature fluctuation, auto defrosting and multiple layers security
- Environment efficient, energy-saving Fluorine-free Refrigerant R134
- Timer and over temperature alarm function



SPECIFICATIONS

Model	CA111	CA112	CA113
Capacity	150 L	250 L	350 L
Temperature Range	5-50°C (Light off), 10-50°C (Light on)		
Temperature Accuracy	±0.5°C		
Temperature Uniformity	±2°C		
Temperature Fluctuation	±2°C		
Temperature Resolution	0.1°C		
Temperature Sensor	Pt 100Ω		
Illumination Range	0-10000 lux	0-15000 lux	
Timer Range	0-99h		
Control Steps	5 Steps		
Shelves / Trays	2		
Load per Shelf	10 kg		
Inner Dimension	800x500x380 mm	1000x550x450 mm	1200x550x550 mm
Overall Dimension	1350x640x660 mm	1550x690x660 mm	1700x750x700 mm
Weight (Net/Gross)	120/150 kg	155/200 kg	188/220 kg

Power	900 W	1000 W	1200 W
Power Supply	220V, 50Hz		

CA12 SERIES ILLUMINATING CLIMATE CHAMBER

- Forced convection mode
- 30 Stages programmable Microcomputer PID
- Imported environmental protection insulation materials
- Excellent Imported temperature and humidity Sensor
- SUS304 stainless steel interior material
- ALLCOLDTM: Refrigeration Technology
- ALLIGENTTM: Humidification System
- ALLFLOWTM: Perfect Air Current Cycling



SPECIFICATIONS

Model	CA121	CA122	CA123
Capacity	250 L	300 L	400 L
Temperature Range	10°C~65°C(Light on)/0°C~60°C(Light off)		
Temperature Uniformity	±1 (10-40°C)		±1.5 (10-40°C)
Temperature Fluctuation	±1°C		
Temperature Resolution	0.1°C		
Using Environment Temperature	Ambient temp.10 ~ 30°C		
Using Environment Humidity	<70%		
Illumination Range	0-15000 (5 stages adjustable)		
Timer Range	0-99h/0-9999mins		
Shelves / Trays	3	4	
Inner Dimension	1100 x 480 x 480 mm	1100 x 540 x 520 mm	1148 x 554 x 610 mm
Overall Dimension	1780 x 710 x 775 mm	1780 x 770 x 815 mm	1828 x 783 x 905 mm
Weight (Net/Gross)	162 kg	183 kg	194 kg
Power	1350 W		1550 W
Power Supply	Single phase AC220V/50Hz		

CA13 SERIES ARTIFICIAL CLIMATE CHAMBER

- Forced convection mode
- 30 Stages programmable Microcomputer PID
- Imported environmental protection insulation materials
- Excellent Imported temperature and humidity Sensor
- SUS304 stainless steel interior material
- ALLCOLDTM:Refrigeration Technology
- ALLIGENTTM:Humidification System
- ALLFLOWTM:Perfect Air Current Cycling



SPECIFICATIONS

Model	CA131	CA132	CA133
Capacity	250 L	300 L	400 L
Temperature Range	10°C~65°C(Light on)/0°C~60°C(Light off)		
Temperature Uniformity	±1 (10-40°C)		±1.5 (10-40°C)
Temperature Fluctuation	±1°C		
Temperature Resolution	0.1°C		
Humidity Range	50-90%RH		
Humidity Fluctuation	±3%RH		
Using Environment Temperature	Ambient temp.10 ~ 30°C		
Using Environment Humidity	<70%		
Illumination Range	0-15000 (5 stages adjustable)		
Timer Range	0-99h/0-9999mins		
Shelves / Trays	3	4	
Inner Dimension	1100 x 480 x 480 mm	1100 x 540 x 520 mm	1148 x 554 x 610 mm
Overall Dimension	1780 x 710 x 775 mm	1780 x 770 x 815 mm	1828 x 783 x 905 mm
Weight (Net/Gross)	162 kg	183 kg	194 kg
Power	1350 W		1550 W
Power Supply	Single phase AC220V/50Hz		

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