

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 Supports plant and insect growth, tissue cultivation, antibiotic cultivation and preservation and other controlled temperature experiments..

Also known as Humidity Chamber, Laboratory Climatic Chamber.

CHA11 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	CHA11-150T1	CHA11-250T1	CHA11-350T1
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	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		



CHA11-150T1



CHA11-250T1



CHA11-350T1

CHA12 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	CHA12-250T2	CHA12-300T2	CHA12-400T2
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	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



CHA13 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

ALLGENTTM:Humidification System

ALLFLOWTM:Perfect Air Current Cycling



SPECIFICATIONS

Model	CHA13-250T2	CHA13-300T2	CHA13-400T2
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	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		



CHA13-250T2



CHA13-300T2



CHA13-400T2

CHA017 CLIMATIC CHAMBER

Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable

Microprocessor controller for temperature and humidity ensures of precise and reliable control

Imported compressor

Independent temperature-limiting alarm system ensures experiments run safely

Printer connector and RS485 connector are options which can connect printer and computer to record the parameters and the variations of temperature

There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement



SPECIFICATIONS

Model	CHA017-080A	CHA017-150A	CHA017-250A	CHA017-500A
Capacity	80 L	150 L	250 L	500 L
Temperature Range	5-80°C			
Display Resolution	0.1°C			
Temperature Stability	High $\pm 0.5^\circ\text{C}$ Low $\pm 1^\circ\text{C}$			
Temperature Uniformity	$\pm 2^\circ\text{C}$			
Humidity Range	40-85%			
Power Consumption	2000 W	2100 W	2300 W	3850 W
Ambient Temperature	+5 - 35°C			
Electrical Requirement	220 V 50 Hz			
Interior Dimension	400Wx400Dx500H mm	550Wx405Dx670H mm	600Wx500Dx830H mm	670Wx720Dx1020H mm
Exterior Dimension	550Wx790Dx1080H mm	690Wx800Dx1430H mm	740Wx900Dx1580H mm	850Wx1100Dx1930H mm
Shelves	2 pcs	3 pcs		4 pcs

Model	CHA017-800A	CHA017-080B	CHA017-150B	CHA017-250B
Capacity	800 L	80 L	150 L	250 L
Temperature Range	5-80°C	10-70°C		
Display Resolution	0.1°C			
Temperature Stability	High $\pm 0.5^\circ\text{C}$ Low $\pm 1^\circ\text{C}$			
Temperature Uniformity	$\pm 2^\circ\text{C}$			
Humidity Range	40-85%	40-95%		
Power Consumption	8050 W	2000 W	2100 W	2300 W
Ambient Temperature	+5 - 35°C			
Electrical Requirement	220 V 50 Hz			
Interior Dimension	800Wx590Dx1650H mm	400Wx400Dx500H mm	550Wx405Dx670H mm	600Wx500Dx830H mm
Exterior Dimension	1360Wx890Dx2000H mm	550Wx790Dx1080H mm	690Wx800Dx1430H mm	740Wx900Dx1580H mm
Shelves	4 pcs	2 pcs	3 pcs	

Model	CHA017-500B	CHA017-800B
Capacity	500 L	800 L
Temperature Range	10-70°C	
Display Resolution	0.1°C	

Temperature Stability	High $\pm 0.5^{\circ}\text{C}$ Low $\pm 1^{\circ}\text{C}$	
Temperature Uniformity	$\pm 2^{\circ}\text{C}$	
Humidity Range	40-95%	
Power Consumption	3850 W	8050 W
Ambient Temperature	+5 - 35°C	
Electrical Requirement	220 V 50 Hz	
Interior Dimension	670Wx720Dx1020H mm	800Wx590Dx1650H mm
Exterior Dimension	850Wx1100Dx1930H mm	1360Wx890Dx2000H mm
Shelves	4 pcs	



CHA017-080A



CHA017-150A



CHA017-250A



CHA017-500A



CHA017-800A



CHA017-080B



CHA017-150B



CHA017-250B



CHA017-500B



CHA017-800B

CHA018 CLIMATIC CHAMBER

Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the height between the shelves in the chamber are adjustable

Homogeneity air circulating system

With temperature and humidity sensor

With programmable controller, large LCD screen

R134A refrigerant, With compressor and fan motor

A 25mm validation port on side of the chamber for easy testing operation and temperature validation

Over temperature and temperature deviation alarms

Compressor over-heat and over-load protections, fan motor over-heat and waterlock protections

Independent audible and visible temperature-limiting alarm system ensures experiments run safely



SPECIFICATIONS

Model	CHA018-050	CHA018-100	CHA018-250	CHA018-0050A
Capacity	50 L	100 L	250 L	50 L
Temperature Range	RT+10-85°C			10-100°C
Temperature Accuracy	0.1°C			
Temperature Stability	±1.0°C			High temp: ±0.5°C Low temp: ±1°C
Humidity control range	80-95%RH			35-95%RH
Humidity Accuracy	±3%RH			
Power Consumption	1450 W	1650 W	2050 W	1700 W
Ambient Temperature	+5 - 35°C			
Electrical Requirement	220 V 50 Hz			
Interior Dimension	350Wx300Dx500H mm	500Wx400Dx550H mm	600Wx500Dx820H mm	350Wx300Dx500H mm
Exterior Dimension	720Wx620Dx725H mm	650Wx800Dx1310H mm	750Wx900Dx1580H mm	720Wx620Dx725H mm
Shelves	2 pcs			

Model	CHA018-0050B	CHA018-0050C	CHA018-0100A	CHA018-0100B
Capacity	50 L		100 L	
Temperature Range	20-100°C	40-100°C	10-100°C	20-100°C
Temperature Accuracy	0.1°C			
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C			
Humidity control range	35-95%RH			
Humidity Accuracy	±3%RH			
Power Consumption	2250 W	2650 W	1900 W	2300 W
Ambient Temperature	+5 - 35°C			
Electrical Requirement	220 V 50 Hz			
Interior Dimension	350Wx300Dx500H mm		500Wx400Dx600H mm	
Exterior Dimension	720Wx620Dx725H mm		700Wx1040Dx1750H mm	
Shelves	2 pcs			

Model	CHA018-0100C	CHA018-0250A	CHA018-0250B	CHA018-0250C
Capacity	100 L	250 L		

Temperature Range	40-100°C	10-100°C	20-100°C	40-100°C
Temperature Accuracy	0.1°C			
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C			
Humidity control range	35-95%RH			
Humidity Accuracy	±3%RH			
Power Consumption	7050 W	2300 W	2700 W	7100 W
Ambient Temperature	+5 - 35°C			
Electrical Requirement	380V 50HZ	220 V 50 Hz		380V 50HZ
Interior Dimension	500Wx400Dx600H mm	600Wx500Dx820H mm		
Exterior Dimension	700Wx1040Dx1750H mm	750Wx900Dx1580H mm		
Shelves	2 pcs	3 pcs		

Model	CHA018-0500A	CHA018-0500B	CHA018-0500C	CHA018-0800A
Capacity	500 L			800 L
Temperature Range	10-100°C	20-100°C	40-100°C	10-100°C
Temperature Accuracy	0.1°C			
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C			
Humidity control range	35-95%RH			
Humidity Accuracy	±3%RH			
Power Consumption	3850 W	4150 W	7850 W	8050 W
Ambient Temperature	+5 - 35°C			
Electrical Requirement	220 V 50 Hz		380V 50HZ	
Interior Dimension	670Wx720Dx1020H mm			800Wx590Dx1650H mm
Exterior Dimension	850Wx1100Dx1930H mm			1475Wx890Dx1780H mm
Shelves	3 pcs			

Model	CHA018-0800B	CHA018-1000A	CHA018-1000B
Capacity	800 L	1000 L	
Temperature Range	20-100°C	10-100°C	20-100°C
Temperature Accuracy	0.1°C		
Temperature Stability	High temp: ±0.5°C Low temp: ±1°C	High temp: ±0.5°C Low temp ±1°C	
Humidity control range	35-95%RH		
Humidity Accuracy	±3%RH		
Power Consumption	8050 W		
Ambient Temperature	+5 - 35°C		
Electrical Requirement	380V 50HZ		
Interior Dimension	800Wx590Dx1650H mm	1050Wx590Dx1650H mm	
Exterior Dimension	1475Wx890Dx1780H mm	1700Wx890Dx1950H mm	
Shelves	3 pcs		



CHA018-050



CHA018-100



CHA018-250



CHA018-0050B



CHA018-0050C



CHA018-0100A



CHA018-0100B



CHA018-0100C



CHA018-0250A



CHA018-0250B



CHA018-0250C



CHA018-0500A



CHA018-0500B



CHA018-0500C



CHA018-0800A



CHA018-0800B



CHA018-1000A



CHA018-1000B

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