



NATURAL CONVECTION OVEN

NATURAL CONVECTION OVEN

With easy to clean interiors and natural convection circulation system for efficient heating of chamber, this oven can be relied on for general laboratory applications.

Used in Drying, Roasting, Laboratory, Research, Engineering, Industry, Agricultural, Biology.

Also known as Laboratory Oven, Laboratory natural Convection Oven.

100 NATURAL CONVECTION OVEN



304 stainless steel, mirror polishing processing, easy to clean and maintain

Natural convection with low noise

PID controller with over temperature alarm and Timer function ensures precise and reliable control

SPECIFICATIONS

Model	BONC-104	BONC-105	BONC-101
Capacity	140 L	200 L	27 L
Temperature Range	RT+10-200°C		
Ambient Temperature	+5-35°C		
Temperature Stability	±1°C		
Display Resolution	0.1°C		
Internal Dimension	520Wx500Dx575H mm	570Wx560Dx640H mm	320Wx300Dx355H mm
Exterior Dimension	660Wx720Dx880H mm	710Wx780Dx945H mm	460Wx520Dx660H mm
Shelves	3		2
Power Consumption	2000 W	2200 W	-
Electrical Requirement	AC 220V, 50Hz		
Power consumption	-	-	850 W

Model	BONC-102	BONC-103
Capacity	56 L	96 L
Temperature Range	RT+10-200°C	
Ambient Temperature	+5-35°C	
Temperature Stability	-	-
Display Resolution	0.1°C	
Internal Dimension	400Wx330Dx415H mm	450Wx430Dx505H mm
Exterior Dimension	540Wx550Dx720H mm	590Wx650Dx810H mm
Shelves	2	
Power Consumption	-	1400 W
Electrical Requirement	AC 220V, 50Hz	
Power consumption	1000 W	-



BONC-104



BONC-105



BONC-101



BONC-102



BONC-103

200 NATURAL CONVECTION OVEN



- Intelligent digital temperature controller
- Natural convection system provides excellent uniformity
- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Semicircular arcs at corners for easy cleaning
- Hollow tempered glass observation window with adjustable air-tight buckle lock
- Silicon rubber seal prevents heat loss
- Easy assembly and disassembly of air duct and bottom heat cover
- Optional printer and audio and visual over temperature alarm available

SPECIFICATIONS

Model	BONC-201	BONC-202	BONC-203	BONC-204
Capacity	30 L	45 L	65 L	125 L
Temperature Range	RT+10-300°C			
Ambient Temperature	5-40°C			
Temperature Accuracy	±1°C			
Temperature Uniformity	±1°C		2.0°C	
Temperature Resolution	±0.1°C			
Timer Range	1-9999 min			
Load per shelf	15 kg			
Internal Dimension	310Wx310Dx310H mm	350Wx350Dx350H mm	400Wx360Dx450H mm	500Wx450Dx550H mm
Exterior Dimension	600Wx540Dx820H mm	660Wx590Dx870H mm	670Wx630Dx960H mm	760Wx740Dx1060H mm
Package Size	545x520x750 mm	590x560x790 mm	610x610x890 mm	710x700x990 mm
Shelves	2			
Weight	33/37 kg	37/43 kg	44/49 kg	60/66 kg

Power	800 W	1000 W	1600 W	2500 W
Power Supply	220V, 50Hz			



BONC-201



BONC-202



BONC-203



BONC-204

300 NATURAL CONVECTION OVEN



- Intelligent temperature controller with LCD display
- Natural convection system provides excellent uniformity
- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Semicircular arcs at corners for easy cleaning
- Wide hollow tempered glass observation window with adjustable air-tight buckle lock
- Silicon rubber seal prevents heat loss
- Easy assembly and disassembly of air duct and bottom heat cover
- Independent temperature safety device
- Audio and visual over temperature alarm
- Optional Multi staged programmable temperature controller and printer available

SPECIFICATIONS

Model	BONC-301	BONC-302	BONC-303	BONC-304
Capacity	30 L	45 L	65 L	125 L
Temperature Range	RT+10-300°C			
Ambient Temperature	5-40°C			
Temperature Accuracy	±1°C			
Temperature Uniformity	2.0°C			
Temperature Resolution	±0.1°C			
Timer Range	1-9999 min			
Load per shelf	15 kg			
Internal Dimension	310Wx310Dx310H mm	350Wx350Dx350H mm	400x360x450 mm	500Wx450Dx550H mm
Exterior Dimension	600Wx540Dx820H mm	660Wx590Dx870H mm	670Wx630Dx960H mm	-
Package Size	545x520x750 mm	590x560x790 mm	610x610x890 mm	710x700x990 mm
Shelves	2			
Weight	33/37 kg	37/43 kg	44/49 kg	60/66 kg
Power	800 W	1000 W	1500 W	2500 W
Power Supply	220V, 50Hz			
Exterior Dimension (WxDxH)	-	-	-	760x740x1060 mm



BONC-301



BONC-302



BONC-303



BONC-304

300 NATURAL CONVECTION OVEN



Microcomputer temperature controller

LCD Display

'Set temperature' and 'Actual temperature' display on double screen, clear and straight forward.

Air forced convection design, ensures the temperature uniform in the chamber.

Over temperature / Low temperature alarm, abnormal shutdown power outage alarm.

Sets in exchange stomatal, to ensure that the air is fresh in the cabinet.

UV Lamp in the cabinet.

Automatic defrost function.

Big observation window, working condition will be clear at a glance.

Stainless steel inner chamber material, easy to clean.

Heat preservation material, uses polyurethane foam.

Closed type compressor.

Less noise.

SPECIFICATIONS

Model	BONC-305	BONC-306	BONC-307
Capacity	10 floors (20-30bags)	10/15/20 floors (40-60bags)	double doors, 20 floors for each sides, total 40 floors (80-120bags)
Temperature Range	15-35°C		
Temperature Accuracy	±0.1		
Timer Range	0-999		
Variation (%)	±0.5		
Internal Dimension	390Wx390Dx530H mm	590Wx390Dx820H mm	1090Wx390Dx950H mm
Exterior Dimension	670Wx600Dx1050H mm	670Wx600Dx1500H mm	1170Wx600Dx1750H mm
Tray Size (WxDxH)	480x300x390 mm	480x300x680 mm	980x300x810 mm
Weight	110 Kg	180 Kg	320 Kg
Power	0.5 KW	0.8 KW	1.35 KW



300 NATURAL CONVECTION OVEN



Stainless steel inner chamber without scroll rolled
Silicone rubber door seal
Strong sealing
Nice design

SPECIFICATIONS

Model	BONC-308	BONC-309	BONC-310	BONC-311
Capacity	25 L		50 L	
Temperature Accuracy	±1℃			
Temperature Fluctuation	±2%			
Vacuum Degree	< 133 Pa			
Timer Range	0-999 min			
Internal Dimension	300Wx300Dx280H mm	300Wx300x280H mm	415Wx350Dx400H mm	
Shelves/Trays	2			
Power	900 W		1400 W	
Power Supply	220 V, 50 Hz			



BONC-308



BONC-309



BONC-310



BONC-311

300 NATURAL CONVECTION OVEN

High quality cold rolling plate numerical control technology, sprayed with customerized Dupont powder to make the appearance more beautiful.

Special door sealing structure: SUS304 stainless plate with the thickness of 5mm makes the inner bag level, beautiful and safe.

Advanced heat insulating technology like plate radiation heating and insulating material are applied to keep the temperature inside incubator unchanged for a long time.

Imported control system, sensor, sealing ring and vacuum gauge, etc. are applied.

Four-side heating of inner bag to make temperature rise faster and even.

The scientific installation of sensor can guarantee the actual temperature at geometrical center of the incubator.

Advanced fuzzy PID control programmable multi-mode temperature control method. LCD Display.

Over temperature protector and creepage protector are equipped to guarantee the operating safety.

Time achieving the highest temperature is about 90 min.

SPECIFICATIONS

Model	BONC-312	BONC-313	BONC-314
Capacity	30 L	60 L	90 L
Temperature Range	RT+5°C~210°C (250°C to the utmost)		RT+5°C~210°C
Temperature display accuracy	1°C		
Humidity control accuracy	±1°C (100°C)		
Vacuum Degree	About 133Pa		
Vacuum gauge	mechanical vacuum gauge		
Temperature Sensors	PT100 three-core high precision sensor (Honeywell)		
Intake	18mm vacuum interface diameter, 18mm cleaning interface diameter or G1/4 pipe joint connection		
Internal Dimension	310Wx310Dx320H mm	400Wx380Dx400H mm	450Wx450Dx450H mm
Exterior Dimension	500Wx450Dx745H mm	590Wx530Dx860H mm	620Wx610Dx925H mm
Shelves/Trays	2		
Weight	70 kg	110 kg	130 kg
Power	1250 W	1800 W	2200 W
Power Supply	AC-220 V±10% 50/60 Hz		

5600 NATURAL CONVECTION OVEN



With reservation and Timer functions, there is no need to wait, which effectively improves the efficiency of the experiment

Available in Chinese and English menus to meet different language needs, with °C / °F conversion

The height of the shelf is adjustable to meet different cultivation needs

Professional stacking foot design, the machine can be stacked, saving lab space and improving the use efficiency

Protection on instruments: Comply international standard secondary temp limiting alarm system, when the heating is out of control or exceeds the maximum limit temperature

the heating is automatically cut off with sound and light alarm, ensure operating is safe without any accident

Protection on key components: Key components are equipped with over-current, over-temperature, overload and other safety protection to prevent accident

Protection on samples: When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, with sound and light alarm to remind the operator to protect the sample from normal test without accident

Protection on operator: The cabinet and door are specially insulated to make the surface temperature of the cabinet low, ensuring the operator's safety and no accidents

Breakdown message provided: When the instrument breakdown, the message will shown on the screen to help operator clearly check

The touch screen type standard with a USB interface, which can record the change status of the temperature parameters

The LCD screen is option for USB interface

It can be equipped with RS232 data interface, which can realize remote control of the machine through software

RS-232 and USB can be selected one of them

SPECIFICATIONS

Model	BONC-5601	BONC-5602	BONC-5603	BONC-5604
Capacity	34 L	54 L	124 L	222 L
Temperature Range	RT+10°C-200°C (MAX 300°C)			
Display Resolution	0.1°C			
Uniformity at 100°C	±2.5°C			
Heated to 100°C	25 mins			
Standard Max number of shelves	2 (5)	2 (6)	2 (10)	2 (16)
Max load per shelf	20 Kg			
NW	43 Kg	45 Kg	74 Kg	103 Kg
Timer Range	1 - 5999 mins			
Internal Dimension	320Wx300Dx360H mm	400Wx330Dx415H mm	520Wx450Dx530H mm	650Wx500Dx685H mm
Exterior Dimension	610Wx520Dx580H mm	690Wx468Dx640H mm	810Wx590Dx755H mm	940Wx658Dx910H mm
Electrical Requirement	AC 220 V, 50 Hz			
Power Consumption	850 W	1050 W	1950 W	2250 W



BONC-5601



BONC-5602



BONC-5603



BONC-5604

5700 NATURAL CONVECTION OVEN



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SPECIFICATIONS

Model	BONC-5701	BONC-5702	BONC-5703	BONC-5704
Capacity	34 L	54 L	124 L	222 L
Temperature Range	RT+10°C-200°C (MAX 300°C)			
Display Resolution	0.1°C			
Uniformity at 100°C	±2.5°C			
Heated to 100°C	25 mins			
Standard Max number of shelves	2 (5)	2 (6)	2 (10)	2 (16)
Max load per shelf	20 Kg			

NW	43 Kg	45 Kg	74 Kg	103 Kg
Timer Range	1 - 5999 mins			
Internal Dimension	320Wx300Dx360H mm	400Wx330Dx415H mm	520Wx450Dx530H mm	650Wx500Dx685H mm
Exterior Dimension	610Wx520Dx580H mm	690Wx468Dx640H mm	810Wx590Dx755H mm	940Wx658Dx910H mm
Electrical Requirement	AC 220 V, 50 Hz			
Power Consumption	850 W	1050 W	1950W	2250W



BONC-5701



BONC-5702



BONC-5703



BONC-5704



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