

## Forced Convection Ovens | High Temp.

## DN410HC/610HC

Forced  
ConvectionAutomatic  
Overheating  
PreventerOverheating  
PreventerSelf-diagnostic  
FunctionKey Lock  
FunctionPower Failure  
Compensation  
FunctionOvercurrent  
Leakage Circuit  
Breaker

Operating temp. range RT+10~360°C

Temp. distribution accuracy ±3.0°C (at 360°C)

Internal capacity 95L 223L

## Reliable constant temperature oven that supports high-temperature thermal tests.

## Features

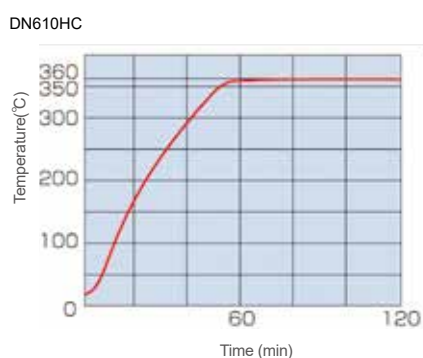
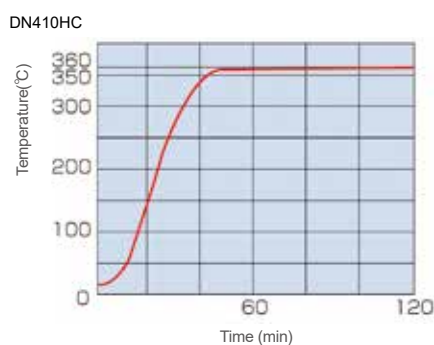
- Support performing high-temperature resistance tests and thermal processing at 360°C.
- Wide operating temperature range, high accuracy in temperature control.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Digital setting through special function menu keys and ▲/▼ keys. Programmable controller with 3 modes.

## Safety

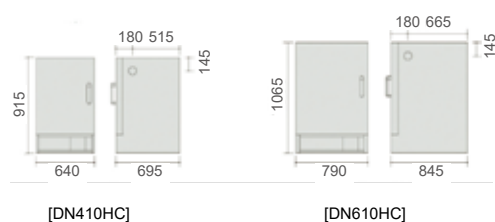
- Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit protection), overheating preventer, overcurrent leakage protection, key lock and other safety functions.



## Temperature rise curve



## Dimension diagram (mm)



## Specifications

Model		DN410HC	DN610HC
System		Forced convection	
Performance	Operating temp. range	Room temp. +10~360°C	
	GB standard	Temp. fluctuation	±0.1°C (at 360°C)
		Temp. uniformity	±1.5% (at 360°C)
	JTM standard	Temp. adjusting accuracy	±0.2°C (at 360°C)
Temp. distribution accuracy		±3.0°C (at 360°C)	
Max. temp. reaching time		Approx. 60 min	
Composition	Interior material	Stainless steel plate	
	Exterior material	Cold rolled steel plate with chemical proofing coating	
	Insulating material	Glass wool, rock wool	
	Heater	Stainless steel heating tube, 3.0kW	Stainless steel heating tube, 4.0kW
	Fan blade/motor	Centrifugal fan blades, high-temperature self-cooling motor 30W	
Cable port		Inner diameter: 30mm×1, located on the right	
Exhaust vent		I.D. 30 mm×2, located at the back	
Controllers	Temp. control method	3-stage PID	
	Temp. setting method	Digital setting through special function menu keys and ▲/▼ keys	
	Temp. display method	Achieved temp. display: Green 4-digit LED digital display Setting temp. display: Red 4-digit LED digital display	
	Timer	1 min.~99 h 59 min. and 100~999 h 50 min (including timer waiting function)	
	Operation functions	Fixed temp. operation, auto start, auto stop, program operation	
	Program mode	Programmable controller with 3 modes (30 segments×1, 15 segments×2, 10 segments×3)	
	Additional functions	Deviation correction, key lock, power failure compensation	
Sensors		K thermocouple (Temp. controller and overheating protector)	
Safety device		Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit), overheating preventer, overcurrent leakage protection, key lock functions	
Specifications	Internal dimensions (W×D×H mm)	470×450×450	620×600×600
	External dimensions (W×D×H mm)	640×695×915	790×846×1065
	Internal capacity	95L	223L
	Shelf load	30kg/layer	
	Shelf layers/shelf support spacing	12 layers/30mm	17 layers/30mm
	Power supply (50/60Hz) rated current	AC220V 14A	AC220V 18.5A
Weight	Approx. 80kg	Approx. 120kg	
Accessories	Shelf	Stainless steel wire mesh plate 2 pcs	
	Supports	4 pcs	
	Stand	OH41C	OH61C
Options	Shelf (1 shelf includes 2 supports), cable port (30/50mm), micro printer, data logger, combination warning light (standby/running/fault), viewing window, external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, centralized monitoring software		

1 Sterilizers

2 Granulation and Spray Dryers

3 Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Stirrers &amp; Shakers

12 Options