

Forced Convection Ovens | High Temp.

DN410HC/610HC

- Forced Convection
- Automatic Overheating Preventer
- Overheating Preventer
- Self-diagnostic Function
- Key Lock Function
- Power Failure Compensation Function
- Overcurrent Leakage Circuit Breaker

Operating temp. range RT+10~360°C Temp. distribution accuracy ±3°C (at 360°C) Internal capacity 95L 223L

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

Features

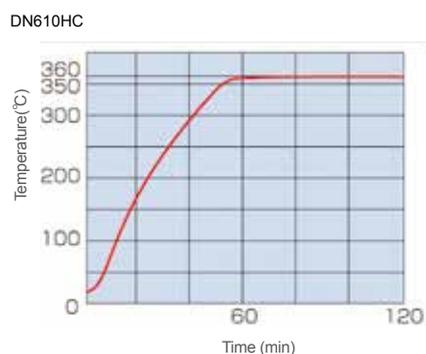
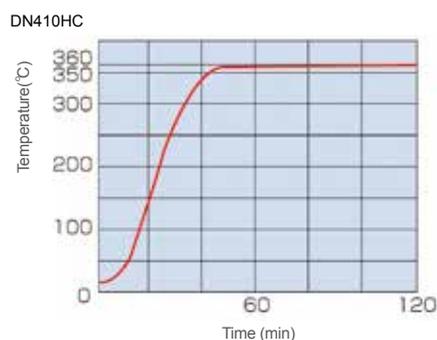
- Support performing high-temperature resistance tests and thermal processing at 360°C.
- Wide operating temperature range, high accuracy in temperature control.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Digital setting through special function menu keys and up/down keys. 6 modes with 90 segments program controller.

Safety

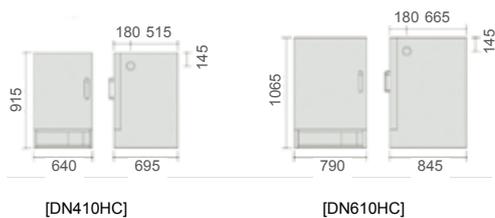
- Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit protection), independent overheating preventer, overcurrent leakage protection, key lock and other safety functions.



Temperature rise curve



Dimension diagram (mm)



Specifications

Model		DN410HC	DN610HC
System		Forced convection	
Operating temp. range		Room temp. +10~360°C	
Performance	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	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 up/down 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		Program operation 6 modes with a total of 90 segments (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			
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 19A
Weight		Approx. 80kg	Approx. 120kg
Accessories	Stainless steel wire mesh plate		
	Shelf	2 pcs	
	Supports	4 pcs	
Options	Stand	OH41C	OH61C
	Others	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	

- Sterilizers 1
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- Rotary Evaporators 10
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