

## Natural Convection Ovens | Economical Type, Fixed Temp. Operation

## DX312C/412C/612C

Natural  
ConvectionAutomatic  
Overheating  
PreventerOverheating  
PreventerSelf-diagnostic  
FunctionKey Lock  
FunctionPower Failure  
Compensation  
FunctionOvercurrent  
Leakage Circuit  
BreakerCE  
Certification

Operating temp. range	DX312C/412C: RT+5~300°C	DX612C: RT+5~280°C	Temp. distribution accuracy	±10°C	Internal capacity	28L	74L	153L
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## Maximum temperature of 300°C, highly practical drying oven.



## Features

- Easy operation, available for fixed temp., quick auto stop, auto stop and auto start operations.
- Digital setting through special operation function menu keys and up/down keys. Able to set overheating protection, deviation correction, and key lock.

## Safety

- Equipped with self-diagnostic circuits (temperature sensor anomaly), power failure compensation function, deviation correction function, leakage protection against overcurrent, independent overheating preventer, and other safety functions.

## Specifications

Model		DX312C	DX412C	DX612C	
System		Natural convection			
Operating temp. range		Room temp. +5~300°C		Room temp. +5~280°C	
Performance	GB standard	Temp. fluctuation	±1°C (at 300°C)		
		Temp. uniformity	±3% (at 300°C)		
	JTM standard	Temp. adjusting accuracy	±1°C (at 300°C)		
		Temp. distribution accuracy	±10°C (at 300°C)		
Max. temp. reaching time		Approx. 50min	Approx. 100 min	Approx. 110 min	
Composition	Interior material		Stainless steel plate		
	Exterior material		Cold rolled steel plate with chemical proofing coating		
	Insulating material		Rock wool		
	Heater		Nichrome heating wire		
	Exhaust vent		I.D. 30mm×2, located on the top		
Controllers	Temp. control method		PID control		
	Temp. setting method		Digital setting through function menu key 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, quick auto stop, auto stop operation		
	Additional functions		Deviation correction, key lock, power failure compensation		
	Heater circuit control		SSR drive		
	Sensors		Temperature controller: K-type thermocouple, overheating protection: Liquid expansion temperature controller		
Safety device		Self-diagnostic function (temperature sensor anomaly, automatic overheating prevention), key lock function, independent overheating preventer, overcurrent leakage protection switch			
Specifications	Internal dimensions (W×D×H mm)		300×310×300	450×410×400	600×510×500
	External dimensions (W×D×H mm)		400×440×620	550×540×720	700×640×820
	Internal capacity		28L	74L	153L
	Shelf load		15kg/layer		
	Shelf layers		6 layers	9 layers	12 layers
	Support spacing		35mm		
	Power supply (50/60Hz) rated current		AC220V 5A	AC220V 7.5A	AC220V 7.5A
Weight		Approx. 23kg	Approx. 38kg	Approx. 56kg	
Accessories	Shelf		Stainless punching mesh plate		
	Supports		4 pcs		
Options	Stand		ONS30C	ONS60C	
	Stacking fittings		ODK80C	ODK82C	ODK84C
	Others		Shelf (1 shelf plate with 2 shelf supports), cable port (30/50mm)		

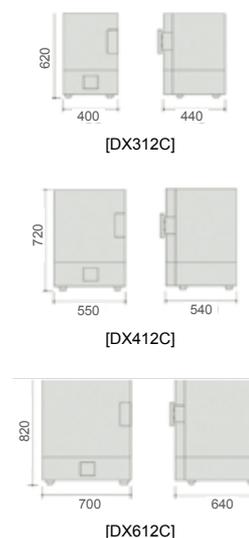
## DX312C



## Internal chamber (DX412C)



## Dimension diagram (mm)



1 Sterilizers

2 Granulation  
and Spray  
Dryers3 Muffle  
Furnaces

4 Ovens

5 Incubators

6 Plasma  
Equipment7 Water  
Purifiers

8 Baths

9 Water  
Circulators10 Rotary  
Evaporators11 Freeze Dryers  
& Cold Traps12 Stirrers &  
Shakers

13 Washers

14 Analysis and  
Test Devices

15 Options