

Natural Convection Ovens | Basic Function Type

DY311C/411C/611C

- Natural Convection
- Automatic Overheating Preventer
- Overheating Preventer
- Self-diagnostic Function
- Overcurrent Leakage Circuit Breaker

Operating temp. range	RT+5~280°C	Temp. gradient	30°C (at 280°C)	Internal capacity	28L	74L	153L
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Ensures the basic functions of fixed temperature operation models.

Various function settings allow for simpler operation.

Features

- Easy operation, fixed temp. operation, auto stop operation, quick auto stop operation, and auto start operation.

Safety

- Equipped with self-diagnostic circuits (temperature sensor anomaly, temperature overheating prevention), leakage protection against overcurrent, and independent overheating preventer and other safety functions.



Specifications

Model		DY311C	DY411C	DY611C
System		Natural convection		
Performance	Operating temp. range	Room temp. +5~280°C		
	GB standard	Temp. fluctuation	±1°C (at 280°C)	
		Temp. uniformity	±3% (at 280°C)	
	JIS standard	Temp. variation	±2°C (at 280°C)	
		Temp. gradient	30°C (at 280°C)	
Temp. rise speed	6.9°C/min	4.3°C/min	1.7°C/min	
Maximum temp. rise time	Approx. 60 min	Approx. 70 min	Approx. 120 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. 34mm×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 temperature display: red 4-digit led, digital display		
		Setting temperature display: green 4-digit led, digital display		
	Timer	1 min~999 h 50 min		
	Operation functions	Fixed temp. operation, quick auto stop operation, auto stop operation, auto start operation		
	Additional functions	Deviation correction function		
	Heater circuit control	SSR drive		
Sensors	Temperature controller: K-type thermocouple, overheating protection: Liquid expansion temperature controller			
Safety device		Self-diagnostic function (temperature sensor abnormal, temperature overheating prevention), independent overheating prevention, 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)	400×440×630	550×540×730	700×640×830
	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)		

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