

Natural Convection Ovens | Basic Function Type

DY301C/311C/401C/411C/601C/611C

Natural Convection

Automatic Overheating Preventer

Overheating Preventer

Self-diagnostic Function

Overcurrent Leakage Circuit Breaker

Operating temp. range RT+10~280°C

Temp. gradient 30°C (at 280°C)

Internal capacity 28L 74L 153L

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		DY301C	DY311C	DY401C	DY411C	DY601C	DY611C	
System		Natural convection						
Performance	Operating temp. range	Room temp. +10~280°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						
		0.9kW			1.36kW			
Exhaust vent	I.D. 33mm×2, located on the top							
Controllers	Temp. control method	PID control						
	Temp. setting method	Digital setting through function menu key and ▲/▼ 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)	400×440×622			550×540×722		700×640×822	
	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	AC115V 8A	AC220V 5A	AC115V 13.5A	AC220V 7.5A	AC115V 13.5A	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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