

Forced Convection Ovens | Economical, Fixed Temp. Operation

DKM311C/411C/611C

Operating temp. range RT+10~260°C

Temp. distribution accuracy $\pm 2.5^{\circ}\text{C}$ (at 210°C)

Internal capacity 27L 90L 150L

Economical model for fixed temperature operation, a simple-to-operate forced convection constant temperature oven.

Features

Operability & functions

- Easy to operate, fixed temperature operation, quick auto stop operation, auto stop operation, and auto start operation.
- 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 features.



Specifications

Model		DKM311C	DKM411C	DKM611C	
System		Forced convection			
Operating temp. range		Room temp. +10~260°C			
Performance	GB standard	Temp. fluctuation	$\pm 0.5^{\circ}\text{C}$ (at 260°C)		
		Temp. uniformity	$\pm 2\%^{\circ}\text{C}$ (at 260°C)		
	JTM standard	Temp. adjusting accuracy	$\pm 1.0^{\circ}\text{C}$ (at 210°C)		
		Temp. distribution accuracy	$\pm 2.5^{\circ}\text{C}$ (at 210°C)		
Max. temp. reaching time		Approx. 60 min (room temp 10~210°C), approximately 90 min (room temp 10~260°C)			
Composition	Interior material		Stainless steel plate		
	Exterior material		Cold rolled steel plate with chemical proofing coating		
	Insulating material		Glass fiber+rock wool		
	Heater		0.8KW	1.2KW	1.5KW
	Fan blade/motor		Centrifugal fan blade, 10W motor×1		
	Cable port		Inner diameter: 30mm×1, located on the right		
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, auto stop, quick auto stop		
	Additional functions		Deviation correction, key lock, power failure compensation		
Sensors		Temperature controller: K-type thermocouple, overheating protection: Liquid expansion temperature controller			
Safety device		Self-diagnostic function (temperature sensor abnormality, SSR short circuit, automatic overheating preventer), key lock, independent overheating preventer, leakage protection circuit breaker for overcurrent			
Specifications	Internal dimensions (W×D×H mm)		300×300×300	450×450×450	600×500×500
	External dimensions (W×D×H mm)		410×451×677	560×601×827	710×651×877
	Internal capacity		27L	90L	150L
	Shelf load		15kg/layer		
	Shelf layers		6 layers	11 layers	13 layers
	Support spacing		30mm		
	Power supply (50/60Hz) rated current		AC220V, 4A	AC220V, 6A	AC220V, 7.5A
	Weight		Approx. 35kg	Approx. 50kg	Approx. 65kg
Accessories	Shelf		Stainless punching mesh plate 2 pieces, 1 of which is fixed to the chamber; do not disassemble		
	Supports		2 pcs		
Options	Stand		ON30C	ON61C	
	Stacking fittings		—	OD40C	OD60C
	Others		Shelf (1 shelf plate with 2 shelf supports), cable port (30/50mm)		

1 Sterilizers

2 Granulation and Spray Dryers

3 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers & Cold Traps

12 Stirrers & Shakers

13 Washers

14 Analysis and Test Devices

15 Options

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



Control panel



Cable port (standard configuration)



Exhaust vent (standard configuration)

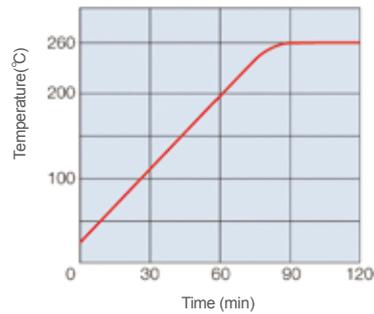


Internal chamber

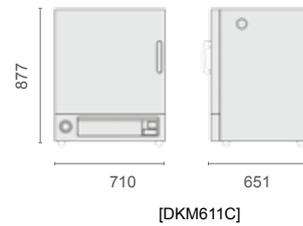
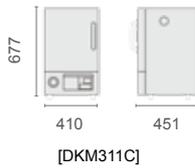


DKM611C

Temperature rise curve



Dimension diagram (mm)



- Sterilizers 1
- Granulation and Spray Dryers 2
- Muffle Furnaces 3
- Ovens 4**
- Incubators 5
- Plasma Equipment 6
- Water Purifiers 7
- Baths 8
- Water Circulators 9
- Rotary Evaporators 10
- Freeze Dryers & Cold Traps 11
- Stirrers & Shakers 12
- Washers 13
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