

Forced Convection Ovens | Basic Function, Economical

DKL311C/411C/611C

Forced
ConvectionAutomatic
Overheating
PreventerIndependent
Overheating
PreventerSelf-diagnostic
FunctionOvercurrent
Leakage Circuit
Breaker

Operating temp. range RT+10~260°C

Temp. distribution accuracy ±2.5°C (at 260°C)

Internal capacity 27L 90L 150L

Ensuring the basic functions of fixed temperature operation models.



Various functional settings allow for simpler operations in forced convection constant temperature ovens with fixed operation.

Features

- Easy to operate, 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 circuit breaker for overcurrent for overcurrent, and independent overheating preventer and other safety functions.

Specifications

Model		DKL311C	DKL411C	DKL611C	
System		Forced convection			
Operating temp. range		Room temp. +10~260°C			
Performance	GB standard	Temp. fluctuation	±0.5°C (at 260°C)		
		Temp. uniformity	±2% (at 260°C)		
	JTM standard	Temp. adjusting accuracy	±1.0°C (at 260°C)		
		Temp. distribution accuracy	±2.5°C (at 260°C)		
Max. temp. reaching time		Approx. 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		
	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 temperature display: red 4-digit led, digital display Set temperature display: green 4-digit led, digital display		
	Timer		1 min to 99 h~50 min		
	Operation functions		Fixed temperature operation, auto stop operation, quick auto stop operation, auto start operation		
	Additional functions		Deviation correction function		
Sensors		Temperature controller: K-type thermocouple Overheating Protection: Liquid expansion temperature controller			
Safety device		Self-diagnostic function (temperature sensor abnormal, temperature overheat prevention), independent overheating prevention, 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)		410×451×680	560×601×830	720×651×880
	Internal capacity		27L	90L	150L
	Shelf load		15kg/layer		
	Shelf layers		6 layers	11 layers	13 layers
	Support spacing		35mm		
	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 pcs		
	Supports		4 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