

Forced Convection Ovens | Basic Function, Economical

DKL301C/311C/401C/411C/601C/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), earth leakage circuit breaker with overcurrent protection, and independent overheating preventer and other safety functions.

■ Specifications

Model		DKL301C	DKL311C	DKL401C	DKL411C	DKL601C	DKL611C	
System		Forced convection						
Performance	Operating temp. range	Room temp. +10~260°C						
	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	Centrifugal glass wool						
	Heater	Stainless steel heating pipe		0.8kW		1.2kW		1.5kW
		Centrifugal fan blade, 10W motor×1						
	Fan blade/motor	Centrifugal fan blade, 10W motor×1						
	Cable port	Inner diameter: 30mm×1, located on the right						
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	Measured 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)	410×451×677		560×600×827		721×651×877		
	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	AC115V, 7.5A	AC220V, 4A	AC115V, 11A	AC220V, 6A	AC115V, 13.5A	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 Furnaces

4 Ovens

5 Incubators

6 Plasma
Equipment7 Water
Purifiers

8 Baths

9 Water
Circulators10 Rotary
Evaporators11 Stirrers &
Shakers

12 Options