



# Economical Forced Convection Oven

Standard Industrial / Lab Basic Type, Forced Air Circulation



Yamato

Yamato Lab Oven Models DKM300C/310C/400C/410C/600C/610C

For Information and to Order

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Operating temp. range Room temp. +10°C to 260°C

Temp. distribution accuracy ±2.5°C(at 210°C)

Operation Simple & Economical

## Basic fixed setting forced air convection ovens

Forced convection, constant temperature oven with simple operation functions.

### Performance and functions

- Fixed temperature, Quick Auto, Auto stop, and Auto start operating modes are possible, along with easy control capabilities
- Settings can be made digitally using the dedicated operation menu keys or the up and down keys
- Auto recovery after power failure, calibration offset and key-lock are possible through the auxiliary functions

### Safety features

- Self-diagnostic functions, Auto overheat prevention, Independent overheat prevention

[Contact Us For Discounted Prices](#)

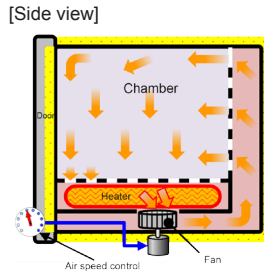
Yamato Lab Oven Specs:



	DKM300C/310C	DKM400C/410C	DKM600C/610C
Circulation method	Forced air circulation		
Operating temperature range	Room temp. +10~260°C		
Temp. control accuracy	±1°C (at 210°C)		
Temp. distribution accuracy	±2.5°C (at 210°C)		
Max. temp. reaching time	~90min (at room temp. +10°C~260°C)		
Interior material	Stainless Steel		
Exterior material	Cold rolled steel plate with melamine resin baking finish		
Heat insulating material	Glass wool		
Heater	SUS pipe heater 0.8kW	1.2kW	1.34kW
Fan type / Motor	Scirocco fan / Condenser type motor 10W		
Cable port	1.2" I.D.×1 pc. (right side)		
Exhaust port	1.2" I.D.×2 pcs.(the top)		
Temp. controller	PID control by microprocessor		
Temp. setting method	Operation menu key and digital setting by UP/DOWN key		
Temp display method	Measurement temp. : Digital display by green LED Setting temp. : Digital display by red LED		
Timer	1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs. 50 min. (with time wait function)		
Operation functions	Fixed temperature operation, Quick Auto-stop, Auto start, Auto stop		
Additional functions	Calibration off-set function, Key lock, Uninterruptible power for memory		
Heater circuit control	SSR control		
Sensor	K-thermocouple		
Safety device	Self diagnostic functions (Sensor trouble detection, Memory error, Measured temperature lower limit error, Measured temperature error), Auto overheat prevention, Independent overheat prevention.		
Internal dimensions (W×D×H)	11.8" x 11.8" x 11.8"	17.7" x 17.7" x 17.7"	23.6" x 19.6" x 19.6"
External dimensions*(W×D×H)	16.1" x 17.7" x 26.4"	22" x 23.6" x 32.3"	28" x 25.6" x 34.3"
Internal capacity	.95 Cubic Ft.	3.1 Cubic Ft.	5.3 Cubic Ft.
Shelf plate with standard load	33 Lbs/piece		
Shelf rest step number	6 steps	9 steps	12 steps
Shelf rest pitch	1.4"		
Power source 50/60Hz	AC115V 7.5A with plug AC220V 4.5A no plug, round terminal	AC115V with plug AC220V 6.5A no plug, round terminal	AC115V 12A with plug AC220V 7A no plug, round terminal
Weight	~77 Lbs.	~110 Lbs.	~143 Lbs.
Shelf plate	Stainless steel 2 pcs.		
Shelf bracket	4 pcs.		



### Method



### Control Panel



### Interior

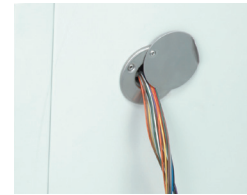


**DKM600C**

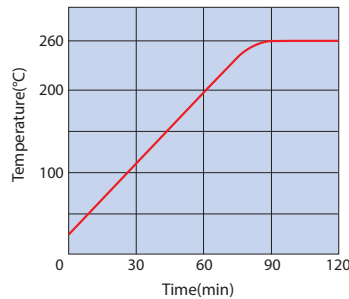
### Exhaust Ports (Standard)



### Cable Port (Standard)



### Temperature Rising Curve



### Optional Items

Description	Product Code
Stand	
For DKM300C/310C ON30	211180
For DKM400C/410C ON61	211856
For DKM600C/610C ON61	211856
Stacking Support	
For DKM400C/410C OD40	212822
For DKM600C/610C OD60	212823
Shelf (1 pc. shelf and 2 pcs. brackets)	
For DKM300C/310C	212094
For DKM400C/410C	212246
For DKM600C/610C	212266
*Cable port	
Dia 25mm	281121
Dia 50mm	281122
Seismic mat	296902

\* Please specify when ordering main unit.

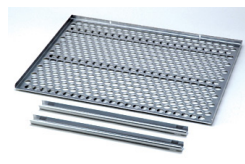
### Optional Items



Stand

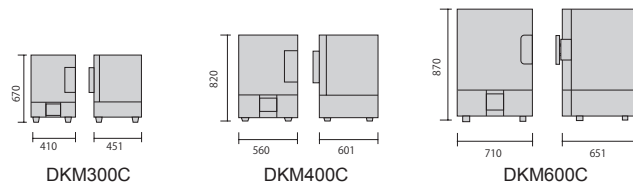


Seismic mat



Shelf (with 2 brackets)

### Dimensions (Unit:mm)



### ⚠ Attention

- Never use in flammable or explosive gas atmosphere.
- Never use explosive or flammable material.
- Caution: High temperature components.