

## Laboratory Constant Temperature Ovens

### DKM300/400/600



DKM400/600

#### High cost performance forced convection oven, fixed type.

A forced convection, constant temperature oven incorporating simple operation functions and a wide range of other function, and boasting enhanced safety features and operability.

Model		
300	400	600
Operating temp. range		
Room temp. +10deg.C to 260 deg.C		
Temp. distribution accuracy		
±2.5deg.C (at210deg.C)		
Internal capacity		
27 L	90 L	150 L

- Fixed setting, Quick Auto stop, 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 keys.
- Over-heating prevention, calibration offsetting and key-lock are possible through the auxiliary functions.
- Comprehensive safety features.

## ■ Specifications

	DKM300	DKM400	DKM600
<b>Performance</b>			
Circulation method	Forced air circulation		
Operating temperature range	Room temp.+10 to 260deg.C		
Temp. control accuracy	±1.0deg.C(at 210deg.C)		
Temp. distribution accuracy	±2.5deg.C(at 210deg.C)		
Max. temp. reaching time	Approx. 90 min.		
<b>Components</b>			
Interior material	Stainless steel		
Exterior material	Cold rolled steel plate with melamine resin baking finish		
Heat insulating material	Glass wool		
Heater	Stainless pipe heater		
	0.8 kW	1.2 kW	1.34 kW
Fan type	Sciocco fan, Condenser type		
Motor	10 W		
Exhaust port/Cable port	30 mm I.D.×2 pcs.(the top) /30 mm I.D.×1 pc.(right side)		
<b>Controller</b>			
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.		
Min. division	1 min. or 1 Hrs.		
Operation function	Fixed temperature operation, Auto start, Quick Auto-stop		
Additional functions	Calibration off-set function, Key lock, Uninterruptible power for memory		
Heater circuit control	SSR control		
Sensor	K-thermocouple		
<b>Safe Device</b>			
Safety countermeasures	Self diagnosis functions (Temp. sensor abnormal, Automatic overheating prevention), Key lock function, Overheat prevention, Electric leakage breaker with over current protection		
<b>Standard</b>			
Internal dimensions (W×D×Hmm)	300×300×300	450×450×450	600×500×500
External dimensions (W×D×Hmm)	400×451×670	560×601×820	710×651×870
Internal capacity	27 liters	90 liters	150 liters
Shelf plate with standard load	Approx. 15 kg/piece		
Shelf rest step number	6 steps	11 steps	13 steps
Shelf rest pitch	30 mm		
Power source 50/60Hz	AC100V 8.5(15A)	AC100V 12.5A(15A)	AC100V 14A(20A)
weight	Approx. 35 kg	Approx. 50 kg	Approx. 65 kg
<b>Accessories</b>			
Shelf plate	Stainless steel, 2 pcs.		
Shelf bracket	4 pcs.		

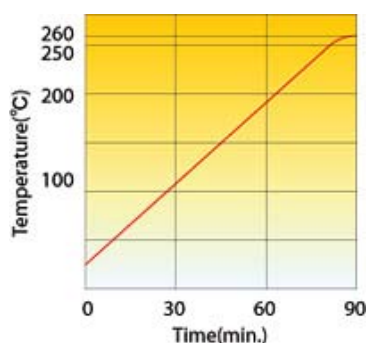
\* The performance shown here is the value under the condition of the ambient temperature of 23deg.C±5deg.C, humidity of 65%RH±20%.

\* The projection is not included for Internal dimensions and External dimensions.

## ■ Control Panel



## ■ Temp.Rising Curve



■ Interior



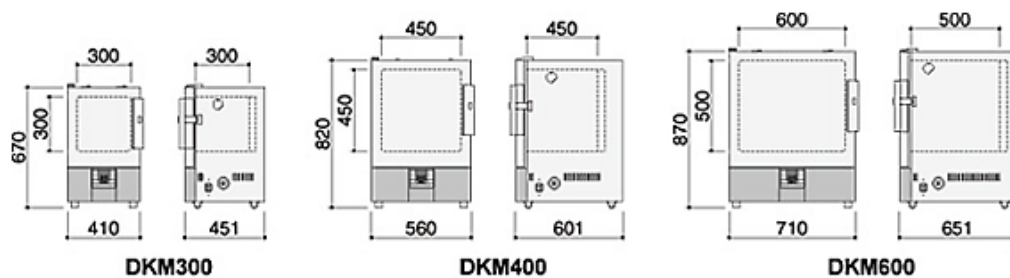
■ Cable Hole



■ Exhaust Holes



■ Dimensions (Unit:mm)



■ Optional items

Remark	Description	Model No.	Product Code
○	Stand for DKM300, ON30	DKM Series	211180
○	Stand for DKM400, ON61	DKM Series	211856
○	Stand for DKM600, ON61	DKM Series	211856
	Stacking Support for DKM400, OD40	DKM Series	212822
	Stacking Support for DKM600, OD60	DKM Series	212823
	Shelf for DKM300	DKM Series	212068
	Shelf for DKM400	DKM Series	212246
	Shelf for DKM600	DKM Series	212266
●	Cable port 25mm dia	DKM Series	281121
●	Cable port 50mm dia	DKM Series	281122

**Note:**

1. The item marked " ● " in the column of "Remark" shall be ordered together with the main unit.
  2. The transportation cost will not be required if the order is together with main unit except the item marked "○".
- In case you order the item marked "○" together with the main unit, please ask Yamato to obtain the correct transportation cost.

**Stand**



ON Model

**Shelf (with 2 support)**



Stainless Punching Metal (Weight Tolerance 15kg/pc)