Laboratory Constant Temperature Ovens

DKM300/400/600

Model		
300	400	600
Operating Temperature 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

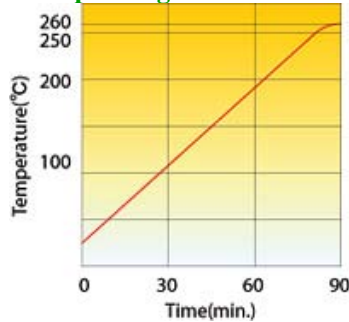**High cost performance forced convection oven, fixed type.**

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

- 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.

DKM300

Temp.Rising Curve

DKM400/600

Control Panel

Exhaust Holes

Interior

Cable Hole

Specifications

	DKM300	DKM400	DKM600
■ **Performance**			
Circulation method	Forced air circulation		
Operating temperature range	Room temp.+10 to 260deg.C		
Temp. control accuracy Temp. distribution accuracy	±1.0deg.C(at 210deg.C) ±2.5deg.C(at 210deg.C)		
Max. temp. reaching time	Approx. 90 min.		
■ **Components**			
Interior material Exterior material	Stainless steel 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	Scirocco fan, Condenser type		
Motor	10 W		
Exhaust port/Cable port	30 mm l.D.×2 pcs.(the top) /30 mm l.D.×1 pc.(right side)		
■ **Controller**			
Temp. controller	PID control by microprocessor		
Temp. setting method	Operation menu key and digital setting by ▲▼ 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		
■ **Safe Device**			
Safety countermeasures	Self diagnosis functions (temp. sensor abnormal, Heater disconnection, SSR- short, Automatic overheating prevention), Key lock function, Overheat prevention, Electric leakage breaker with over current protection		
■ **Standard**			
Internal dimensions (W×D×Hmm) External dimensions(W×D×Hmm) Internal capacity	300×300×300 400×451×670 27 liters	450×450×450 560×601×820 90 liters	600×500×500 710×651×870 150 liters
Shelf plate with standard load	Approx. 15 kg/piece		
Shelf rest step number	6 steps	9 steps	12 steps
Shelf rest pitch	35 mm		
Power source 50/60Hz	100V/220V, single phase, 8.5A/3.7A	100V/220V, single phase, 12.5A/5.7A	100V/220V, single phase, 14A/6.4A
weight	Approx. 31 kg	Approx. 45 kg	Approx. 64 kg
■ **Accessories**			
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.

■**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	212094
	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
	Anti-vibration material with support EPM-08	DKM Series	851352
	Anti-vibration material without support EPM-05	DKM Series	851351

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.

Dimensions (Unit:mm)

DKM300   DKM400   DKM600