

Constant Temperature Ovens

 Yamato

Forced Convection

Model DK240S / 340S

Model

240S

340S

Operating Temperature Range

Ambient +5°C~210°C

Temp. Distribution Accuracy

±3.0°C (at 210°C)

Internal Capacity

20 ℓ

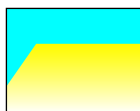
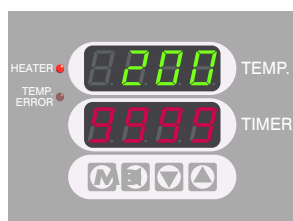
55 ℓ

Economically-priced, space-saving, yet high-capacity constant temperature ovens for educational facilities and small laboratories.

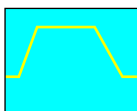
It is a forced convection, circulatory type of oven that disperses heat with high precision.

- Temperature adjustment is achieved through proportional, integral, derivative (PID) control using a microprocessor, and boasts auto-starting, auto-stopping, and timer features.
- When shipped from the factory, the door opens to the left, but the user can manually change it so it opens from the right.
- The unit has several safety features, such as a short circuit breaker, and an independent mechanism to prevent overheating that uses a thermostat with digital switches.

Control panel



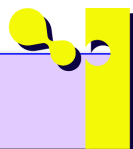
Fixed temp. operation



Automatic start & stop



DK340S



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Forced Convection

Specifications

Model	DK240S	DK340S
■ Performance		
Circulation method	Forced air circulation	
Operating temperature range	Room temp. +5~210℃	
Temp. control accuracy	± 1.0℃(at 210℃)	
Temp. distribution accuracy	± 3.0℃(at 210℃)	
Max. temp. reaching time	Approx. 60 min	
■ Components		
Interior material	Stainless steel SUS 304	
Exterior material	Cold rolled steel plate with melamine resin baking finish	
Heat insulating material	MG felt	
Heater	Iron-chrome wire heater, 400W	Iron-steel wire heater, 800W
Fan type	Axial flow fan, 130mm diameter	
Motor	Condenser type, 10 W	
Exhaust port	Stainless steel SUS 304, 30 mm I.D. × 1 pc. with damper (on the top)	
■ Controller		
Temp. controller	PID control by microprocessor□	
Temp. setting method	Digital setting with ▲▼ key□	
Temp display method	Digital display by LED□	
Timer	0.1~999 Hrs.□	
Min. division	1 Hr. □	
Operation function	Fixed temperature operation, auto-start or auto-stop by timer□	
Operation Panel	Sheet key, (LED; Temperature, Timer Lamp; Heater, Abnormal Temperature) Main switch, Digital switch for independent overheating prevention device□ K - thermocouple□	
■ Safe Device		
Safety countermeasures	Electronics independent overheating prevention, abnormal overheating□ prevention, alarm for heater breaking/sensor input, Over current breaker□	
■ Standard		
Internal dimensions (W×D×Hmm)	240×250×340	300×350×530
External dimensions(W×D×Hmm)	320×340×685	380×440×875
Internal capacity	20 liters	55 liters
Shelf rest pitch	50 mm	50 mm
Power source 50/60Hz	100V / 230V, single phase 4.5A / 2A	100V / 230V, single phase 8.5A / 3.7A
Weight	Approx. 23 kg	Approx. 35 kg
■ Accessories		
Shelf plate	Stainless steel, 2 pcs□	
Shelf bracket	4 pcs	
■ Optional Accessories		
Stand / Additional shelf plate		