



# Drying Ovens, Constant Temperature

**yamato**

Natural Convection

## Model DX301/401/601

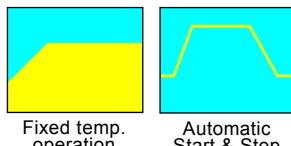
Model		
301	401	601

Operating Temperature Range	
Room temp.	Room temp.
+5°C ~ 300°C	+5°C ~ 280°C

Temp. Distribution Accuracy	
±10°C (at 300°C)	±10°C (at 280°C)

Internal Capacity		
28ℓ	74ℓ	153ℓ

### Control panel



Featuring enhanced operability, these are natural convection standard-type constant temperature ovens.

- Settings can be made digitally using the operation selection keys or the ▲▼ keys. Fixed setting, Quick Auto Stop, Auto Stop, and Auto Start operating modes are possible, along with easy control capabilities.
- Temperature settings, measurement temperatures, over-heating prevention temperature setting can be displayed simultaneously.
- Programmed operation, Quick Auto Stop, Auto Stop, and Auto Start functions are standard features.
- Over-heating temperature settings, calibration offsetting, and key lock settings are possible using the auxiliary functions. Comprehensive safety features.

### Interior (DX401)



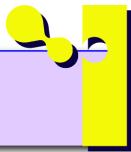
DX301



DX401

DX601

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## Specifications

Model	DX301	DX401	DX601			
<b>Performance</b>						
Circulation method	Natural convection					
Operating temperature range	Room temp. +5~300°C		Room temp. +5~280°C			
Temp. control accuracy	±1°C					
Temp. distribution accuracy	±10°C (at 300°C)		±10°C (at 280°C)			
Max. temp. reaching time	Aprox. 45 min.	Aprox. 60 min.	Aprox. 80 min.			
<b>Components</b>						
Interior material	Stainless steel SUS 304					
Exterior material	Electro-galvanized steel sheet with baked on melamine resin finish					
Heat insulating material	Rock wool					
Heater	Iron-chrome wire heater, 0.9kW	Iron-chrome wire heater, 1.36kW				
Exhaust port	30 mm I.D. x 2 pcs. (the top)					
<b>Controller</b>						
Temp. controller	PID control by microprocessor					
Temp. setting method	Digital setting with ▲▼key					
Temp display method	Measurement temp. : Digital display by green LED Setting temp. : Digital display by red LED					
Timer / Min. division	1 min.~99 Hrs. 59 min. and 100 Hrs.~999 Hrs.					
Operation function	Fixed temperature operation, Quick auto-stop, Auto start, Auto stop					
Additional functions	Temperature reset function (possible to save and load 1 temperature), Calibration-off set function					
Heater circuit control	SSR control					
Temp. sensor	K-thermocouple					
<b>Safe Device</b>						
Safety countermeasures	Self diagnosis functions (Temp. Sensor abnormal, Heater disconnection, SSR short circuit, Automatic overheat prevention) Key lock function, Overheat prevention, Electric leakage breaker with over current protection					
<b>Standard</b>						
Internal dimensions(W×D×Hmm)	300×310×300	450×410×400	600×510×500			
External dimensions(W×D×Hmm)	400×440×617	550×540×722	700×640×822			
Internal capacity	28 liters	74 liters	153 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/230V, single phase, 9.5A/4.2A	100V/230V, single phase, 14.0A/6.1A	100V/230V, single phase, 14.0A/6.1A			
Weight	Approx. 24 kg	Approx. 38 kg	Approx. 56 kg			
<b>Accessories</b>						
Shelf plate	Stainless steel, 2 pcs.					
Shelf bracket	4 pcs.					
<b>Optional Accessories</b>						
Stand / Additional shelf plate / Temp. output terminal / Time up out-put terminal / Cable hole etc.						



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