

Model DE/DT/DE-U

Model

DE DT DE-U

Operating Temperature Range

260°C 360°C 200°C

Temp. Distribution Accuracy

±2.5°C (at260°C) ±4.0°C (at360°C) ±4.0°C (at200°C)

Clean Level

Class 100 Class 100 Class 100

Internal Capacity

91ℓ 216ℓ

These machines permit isothermal dry in a class 100 environment on the inside.

High-performance machines are lined up, which prevent the production of fine dust when the temperature on the inside is stable, as well as when the temperature is going up or down.

- With the models DE and DT, the cleaning degree of class 100 on the inside is available when the temperature on the inside is stable at high temperature up to 260°C (DE) and 360°C (DT).
- With the model DE-U, the cleaning degree of class 100 can be maintained when the temperature on the inside is stable, as well as when the temperature is Rise-up and down.
- 16-segment programming is possible.

Control Panel



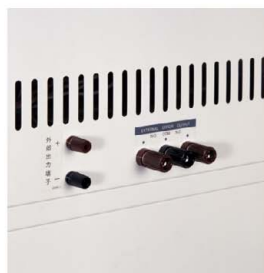
Interior



DE410

DT610

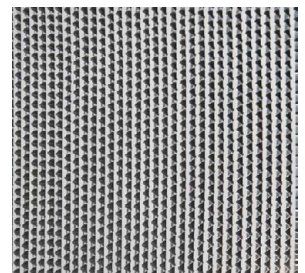
Output Terminals

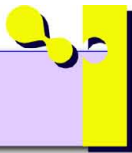


Exhaust Duct



HEPE Filter





Clean Ovens, class100

Yamato

Forced Convection

Specifications

Model	DE410	DE610	DT410	DT610	DE410U	DE610U
Performance						
Circulation method	Forced air circulation					
Operating temperature range	Room temperature +30°C~260°C		Room temperature +30°C~360°C		Room temperature +30°C~200°C	
Temp. adjustment accuracy	±0.3°C(at 260°C)		±0.3°C(at 360°C)		±0.3°C(at 200°C)	
Temp. distribution accuracy	±2.5°C(at 260°C)		±4.0°C(at 360°C)		±4.0°C(at 200°C)	
Max. temp. reaching time	Approx. 70 min. (to 260°C)	Approx. 60 min. (to 260°C)	Approx. 80 min. (to 360°C)		Approx. 60 min. (to 200°C)	
Clean level	Class 100 (when the temperature is stable)				Class 100 (when the temperature is stable, as well as is going up or down)	
Components						
Interior Material	Stainless steel SUS 304					
Exterior	Cold rolled steel plate with melamine resin baking finish					
Heat insulating material	Glass wool		Ceramic fiber		Glass wool	
Stainless pipe heater	2.5kW	3.6kW	3.6kW	5.2kW	2.5kW	3.6kW
Fan type	Scirocco fan, Condenser type motor 400W					
Differential pressure meter	Analog type (0~500 Pa)					
Cable hole	30 mm I.D. (right side)					
Additional functions	Exhaust damper (manual type) 61mm O.D.					
Filter	Heat resistant HEPA filter (dust collect : more than 99.97% at 0.3 μm)				High performance HEPA filter (dust collect : more than 99.97% at 0.3 μm)	
Controller						
Temp. controller	PID control by micro processor					
Temp. setting method	Digital setting with ▲▼ key					
Temp display method	Digital display					
Other display	Operation monitor (operation condition graphic display by LED patterns)					
Timer	1 min.~99 Hrs. 59 min. and 100 Hrs.~999 Hrs.					
Operation function	Fixed temp., Auto-start, Auto-stop, Program operation (16 segments)					
Additional functions	Timer (max. 24Hr.), Integration (max. 49999Hr.), Calibration off-set, time					
Heater circuit control	Triac zero-cross control					
Temp. sensor	K-thermocouple (double sensor)					
Safe Device						
Safety countermeasures	Self diagnosis functions (sensor, heater, triac, automatic overheating prevention), Key lock, Independent overheating prevention, Door switch, Electric leakage breaker					
Standard						
Internal dimensions(W×D×Hmm)	450× 450× 450	600× 600× 600	450× 450× 450	600× 600× 600	450× 450× 450	600× 600× 600
External dimensions(W×D×Hmm)	700×1,000×1,765	850×1,150×1,765	700×1,000×1,765	850×1,150×1,765	700×1,000×1,765	850×1,150×1,765
Internal capacity	91 liters	216 liters	91 liters	216 liters	91 liters	216 liters
Shelf plate with standard load	Approx. 30 kg / piece					
Shelf rest step number / pitch	12 steps /30mm	17 steps /30mm	12 steps /30mm	17 steps /30mm	12 steps /30mm	17 steps /30mm
Power source 50/60Hz	200V/380V, three phase, 9.5A/5.5A	200V/380V, three phase, 12.5A/7.0A	200V/380V, three phase, 12.5A/7.0A	200V/380V, three phase, 17.5A/10.0A	200V/380V, three phase, 9.5A/5.5A	200V/380V, three phase, 12.5A/7.0A
Weight	Approx. 220 kg	Approx. 270 kg	Approx. 220 kg	Approx. 270 kg	Approx. 220 kg	Approx. 270 kg
Accessories						
Shelf plate	Stainless steel, 2 pcs	Stainless steel, 3 pcs	Stainless steel, 2 pcs	Stainless steel, 3 pcs	Stainless steel, 2 pcs	Stainless steel, 3 pcs
Shelf bracket	4 pcs	6pcs	4 pcs	6 pcs	4 pcs	6 pcs
Optional Accessories						

Additional shelf plate / Analog recorder / Auto damper / Emergency stop switch / Exhaust duct etc.



YAMATO SCIENTIFIC CO., LTD.

2-1-6, Nihonbashi Honcho, Chuo-ku, Tokyo 103-8432 Japan

Telephone : 81-3-3231-1124

Facsimile : 81-3-3231-1144

Website : <http://www.yamato-net.co.jp/english>

Email : info@yamato-net.co.jp