



**YUYANG INDUSTRIAL CO., LIMITED**

China Manufacturer of Fire Testing Equipment

## AC220V Environmental Test Chamber High forced Volume Thermal Convection Laboratory





- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **CE UL ISO**
- Model Number: **YY1005**

- **Payment & Shipping Terms:**

- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **10 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **5 sets per month**

- Share to :

## **Laboratory High-forced Volume Thermal Convection Ovens Test Chamber**

### **Description:**

Laboratory ovens are ovens for high-forced volume thermal convection applications. These ovens generally provide uniform temperatures throughout. Process applications for laboratory ovens can be for annealing, die-bond curing, drying, Polyimide baking, sterilizing, and other industrial laboratory functions. Typical sizes are from one cubic foot to 0.9 cubic metres (32 cu ft) with temperatures that can be over 340 degrees Celsius.

Laboratory ovens can be used in numerous different applications and configurations, including clean rooms, forced convection, horizontal airflow, inert atmosphere, natural convection, and pass through.

Some of the types of industries that typically use these laboratory ovens are the healthcare industry, technology industry, and transportation industry. Civil engineering laboratories use ovens for drying asphalt, soil, rock, or concrete samples.

### **Characteristics:**

1. Outside SECC steel, fine powder coating treatment; Inner SUS#304 stainless steel.
2. Electric hot air industrial circulation oven Use new high temperature resistant long shaft motor
3. Electric hot air industrial circulation oven use Turbine fan.
4. Silicone forced tight
5. Overtemperature protection, super load automatic power system.
6. Circulation system: air force level cycle.
7. Electric hot air industrial circulation oven Heating system: PID+S.S.R.
8. The thermostat: PID microcomputer control, automatic constant temperature,

temperature quickly compensation function

9. Timer: temperature to time, when the power failure alarm indication.

10. According to customer demand matching glass window can be customized according to customer specifications specified.

### **Temperature controller:**

PID microcomputer automatic conclusion,PS/SV simultaneous display,be able to set the temperature freely as needed in the range of allowable temperature.

CA(K) TYPE output for 12 V

Current controller is SSR contactless Relay, keep high stability of the current.

Heat material for cellular stainless steel heat pipe, no pollution and hair long service life.

### **Air supply system:**

1. Forced convection level supply air circulation, the motor runs circulatorilily to drive wind wheel to electric heaters rotor,send the hot wind into the oven and then in-halt it to air passage after using to be air source again, thus reduce heat cycle energy loss and ensure the uniform temperature.When opening or closing the door may cause disturbance action this system can be used to recover temperature operation conditions quickly.

2. The motor is imported from Taiwan witch have long axis and can endure high temperature.

3. The fan is a multipage turbine in high strength, equipped with adjustable diversion within the boards witch can make the wind road runs smoothly.

### **Technical Parameters:**

Model	YY1005-15	YY1005-20	YY1005-30	YY1005-40
Internal Dimension WxHxD (mm)	150x150x150	200x200x200	300x300x300	400x400x400
External Dimension WxHxD (mm)	450x700x500	500x750x500	650x900x600	650x900x700

Material	Inner box is high temperature resistant ceramic plate; out shell is 1.2t steel plate paint power coating
Temperature Range	RT+5°C~1300°C
Accuracy	±3.0°C %
Control Method	Micro computer PID+ SSR+ Timer
Power	AC220V



