

## Laboratory Oven



### Introduction

Oven is also named drying oven, it is used for testing specimens in high-temperature environment.

TCT oven is used with forced air circulation function.

TCT oven max temperature includes 250°C, 300°C, 400°C, 500°C.

### Using Areas

- |                               |                                    |
|-------------------------------|------------------------------------|
| ➤ Electronic products testing | ➤ Heat resisting materials testing |
| ➤ Laboratory applications     | ➤ Research institutions            |
| ➤ Productive enterprises      | ➤ Others                           |

### The advantages of TCT Laboratory Oven

- Famous Digital controller, easier to operate
- Higher test precisions of temperature
- Humanized observation window with light
- Using more famous components, the performance is better
- 1 year warranty period for machine + 3 years free providing for spare parts.

### Production Standards

- GB/T2423.1-2001 GB/T2423.3-1993 GB/T2423.2-2001.
- IEC60068-3-5, IEC60068-2-03, MIL-STD-810F, MIL-STD-883C, JIS-C60068
- JESD22-A101-B-2004, JESD22-A103-C-2004, JESD-A119-C-2004

| Common Specifications    |  |                                  |
|--------------------------|--|----------------------------------|
| Internal materials       | SUS304 stainless steel   |                                  |
| External materials       | High quality cold rolled steel sheet                             |                                  |
| Temperature fluctuation  | $\pm 0.5^{\circ}\text{C}$  |                                  |
| Temperature uniformity   | $\pm 2.0^{\circ}\text{C}$  |                                  |
| Heating rate             | $2.0\sim 3.0^{\circ}\text{C} / \text{min}$ (no-load)             |                                  |
| Cooling rate             | $1.0\sim 2.0^{\circ}\text{C} / \text{min}$ (no-load)             |                                  |
| Observation window       | Non-condensation observation window with light                   |                                  |
| Test hole                | Stainless steel test hole, 1 set $\times$ 50mm diameter (Option) |                                  |
| Test shelf               | Stainless steel test shelf, 2 pieces (height-adjustable)         |                                  |
| Sealing material         | Silicon rubber sealing ring                                      |                                  |
| Heat insulating material | PU FOAM + Glass fiber cotton                                     |                                  |
| Air supply system        | Fan  | Axial flow fan + centrifugal fan |
|                          | Circulation mode   | Forced air circulation           |
| Control system           | Controller   | Famous Digital controller        |
|                          | Running mode   | Fix running                      |
|                          | Sensor   | PT100                            |
| Safety function          | Over-temperature protection                                      |                                  |
|                          | Electric leakage protection                                      |                                  |
|                          | Power phase protection   |                                  |
|                          | Over-current protection  |                                  |
|                          | Fuse protection  |                                  |
|                          | Ground protection  |                                  |
| Noise                    | $\leq 65 \text{ dB}$   |                                  |
| Power supply standard    | 120V/220V/240V/380V/415V, 50Hz/60Hz, Single or three phases      |                                  |

| Standard Model |                              |                   |
|----------------|------------------------------|-------------------|
| Model          | Working room size(L×W×H)     | Temperature Range |
| DHG-9023A      | 300×300×270mm (24.3 Liters)  | Rt+10 ~ +250℃     |
| DHG-9053A      | 420×350×350mm (51.4 Liters)  |                   |
| DHG-9123A      | 550×350×550mm (105.8 Liters) |                   |

|           |                              |               |
|-----------|------------------------------|---------------|
| DHG-9203A | 600×550×600mm (198 Liters)   |               |
| DHG-9030A | 340×320×320mm (34.8 Liters)  |               |
| DHG-9070A | 400×350×500mm (70 Liters)    |               |
| DHG-9140A | 450×550×550mm (136.1 Liters) |               |
| DHG-9240A | 500×600×750mm (225 Liters)   |               |
| DHG-9420A | 600×500×1300mm (390 Liters)  |               |
| DHG-9620A | 800×600×1300mm (624 Liters)  |               |
| DHG-9920A | 1000×600×1600mm (960 Liters) |               |
| DHG-9070B | 400×350×500mm (70 Liters)    | Rt+10 ~ +300℃ |
| DHG-9140B | 450×550×550mm (136.1 Liters) |               |
| DHG-9240B | 500×600×750mm (225 Liters)   |               |
| DHG-9420B | 600×550×1300mm (429 Liters)  |               |
| DHG-9620B | 800×600×1300mm (624 Liters)  |               |
| DHG-9640B | 800×800×1000mm (640 Liters)  |               |
| DHG-9920B | 1000×600×1600mm (960 Liters) |               |
| DHG-9050C | 350×350×400mm (49 Liters)    | +100℃ ~ +400℃ |
| DHG-9100C | 450×450×450mm (91.1 Liters)  |               |
| DHG-9140C | 450×500×500mm (112.5 Liters) |               |
| DHG-9200C | 600×600×600mm (216 Liters)   |               |
| DHG-9050D | 350×350×400mm (49 Liters)    | +100℃ ~ +500℃ |
| DHG-9100D | 450×450×450mm (91.1 Liters)  |               |
| DHG-9140D | 450×500×500mm (112.5 Liters) |               |
| DHG-9200D | 600×600×600mm (216 Liters)   |               |

**If you have the more requirements, please contact us!**