

# DW-LHL Dynamic Temperature Test Chamber with Humidity Control

## Features

- ◆ One shot injection molding water tank, effectively preventing spillage. The water circuit system adopts upper and lower water level system, which can effectively protect and prevent dry burning.
- ◆ Two standard test holes for threading (diameter 10cm), on the left and right sides.
- ◆ Adopting the unique balanced temperature adjustment method, high accuracy and stable control.
- ◆ Touch screen, PID control.
- ◆ The refrigeration controller automatically controls the compressor and refrigeration valve according to the set value and actual value of the temperature inside the box to meet different test requirements, reduce the operating power of the equipment and ensure the safe operation of the compressor.
- ◆ Polished stainless-steel chamber. Two racks. Powder coating steel housing.
- ◆ Internal light bar for easy observation.
- ◆ USB port for recording data.

## Safety Device

1. Leakage protection
2. Over temperature protection
3. Compressor over current protection
4. Over compressing protection
5. Water shortage protection
6. Heater overheats protection
7. Audible and visual alarm system

## Options

LAN communication interface

## Specifications



| Model                | LHL-120-B<br>LHL-120-C<br>LHL-120-E             | LHL-225-B<br>LHL-225-C<br>LHL-225-E | LHL-504-B<br>LHL-504-C<br>LHL-504-E |
|----------------------|-------------------------------------------------|-------------------------------------|-------------------------------------|
| Volume               | 120L                                            | 225L                                | 504L                                |
| Temp. Range          | B: -20~+150°C    C: -40~+150°C    E: -70~+150°C |                                     |                                     |
| Temp. Stability      | ±0.5°C                                          |                                     |                                     |
| Temp. Deviation      | ±2°C                                            |                                     |                                     |
| Temp. Uniformity     | ≤2°C                                            |                                     |                                     |
| Humidity Range       | 20~98%RH                                        |                                     |                                     |
| Humidity Deviation   | ±3%RH(>75%RH); ±5%RH(≤75%RH)                    |                                     |                                     |
| Chamber Size(W×D×H)  | 45*45*60cm                                      | 50*60*75cm                          | 70*80*90cm                          |
| Exterior Size(W×D×H) | 80*110*170cm                                    | 90*126*190cm                        | 115*150*200cm                       |
| Operating Temp.      | +5~25°C                                         |                                     |                                     |
| Power Supply         | AC380±10 % V 50±0.5Hz/AC220±10 % V 50±0.5Hz     |                                     |                                     |
| Power Rating         | 2500W                                           | 3000W                               | 5000W                               |
| Insulation layer     | Polyurethane foam insulation/Fiberglass         |                                     |                                     |
| Temp. Sensor         | PT100                                           |                                     |                                     |
| Cooling method       | Compressor, Air cooling                         |                                     |                                     |