

# HIGH AND LOW TEMPERATURE HUMIDITY TEST CHAMBER



## OVERVIEW

- Integrated design of air supply channel and refrigeration unit.
- Large size observation window makes it convenient for operator to observe the test sample inside the chamber.
- The inner chamber is made by SUS304 stainless steel; the external chamber is made by two-sided galvanized steel sheet and its surface is treated by electrostatic plastic spraying.
- The refrigerating system, waterway system and the electrical control system of the chamber have been modularized, placed separately and are safe and reliable.
- Intelligent control of refrigeration system applies to large range of load and the running power is lower.



## SPECIFICATION

| MODEL                   | 710-11-100                        | 710-11-150        | 710-11-300        | 710-11-500        | 710-11-1000       |
|-------------------------|-----------------------------------|-------------------|-------------------|-------------------|-------------------|
| Internal volume (L)     | 100L                              | 150L              | 300L              | 500L              | 1000L             |
| Temperature range (°C)  | -40~150°C                         |                   |                   |                   |                   |
| Humidity range (%RH)    | (20~98)%RH (20~85)°C              |                   |                   |                   |                   |
| Temperature fluctuation | ±0.5°C                            |                   |                   |                   |                   |
| Temperature deviation   | ±2.0°C                            |                   |                   |                   |                   |
| Humidity deviation      | ±3.0%RH (>75%RH) ±5.0%RH (≤75%RH) |                   |                   |                   |                   |
| Temperature rise time   | ≤60 min                           |                   |                   |                   |                   |
| Cooling time            | About 1°C/min                     |                   |                   |                   |                   |
| Material chamber        | SUS 304 stainless steel           |                   |                   |                   |                   |
| Cooling system          | Compressor                        |                   |                   |                   |                   |
| Power supply            | 220V, 60Hz, 2kW                   | 220V, 60Hz, 4.5kW | AC380V, 50Hz, 3kW | AC380V, 50Hz, 3kW | AC380V, 50Hz, 3kW |
| Weight                  | 280kg                             | 365kg             | 435kg             | 680kg             | 950kg             |

### The machine may work stable under the following working condition:

- The temperature of surrounding medium cannot be less than 10°C and more than 60°C.
- The relative humidity of air should be no more than 85% (20°C).
- The voltage fluctuation should be no more than 15%.
- There should be no obvious vibration source around.
- There should be no current conducting dust, explosive and corrosive air.