◆ **Humanized design**

● keeping with the global trend of environmental protection, the new CFC-free design

● Wet and dry bulb or capacitive humidity sensor, multi-function multi-stage programmable temperature and humidity controller, fuzzy PID controller to control temperature and humidity precision small fluctuations.

● Long life inlet temperature and humidity controller, the precision CFL20 word x6 line LCD display, keyboard input, easy to operate.

◆ **Quality Assurance**

● International brand compressor and circulating fan, temperature uniformity. Environmentally friendly refrigerant (R134a), high efficiency, low energy consumption, promote energy conservation.

● Unique wind circulation system to ensure that the working temperature and humidity uniformity, 25mm diameter test 7L, ease of test operation.

● Quality 304 mirror stainless steel liner, corners semicircle transition, shelf support handling free, easy cleaning of the box.

● The multi-stage programmable control, you can simplify a complex testing process truly automatic control and operation.

◆ **Security features**

● Independent limit temperature alarm system, more than the limit temperature is automatically interrupted the run, and the sound and light alarm mention mercury operator ensures experiments run safely without accidents.

● Temperature high, low and over-temperature alarm.

● Compressor overheating, over current, overload protection, fan and overheat protection, water protection.

◆ **facilitate data processing (optional)**

● Can be connected to the printer or communication interface 485, USB data transfer interface (U disk), the computer display, and print temperature, humidity and time curve during the test data storage and playback, provide a strong guarantee.

◆ **Programmable touch screen controller: (optional)**

● Large screen touch screen easy to operate, easy programming.

● English to choose from, the controller user interface based real-time operation of the graph can be screen display.

● Has a capacity of 1000 segments 999, 100 group program cycle step,

each time setting the maximum of 99 hours and 59 minutes.

- After the input of data and test conditions, the controller has a screen lock feature to avoid human touch and downtime.
- PID automatic calculation function, temperature and humidity conditions can be amended immediately to make more precise and stable temperature and humidity control.
- Has a RS-232 or RS-485 communication interface on the computer design program, monitor the testing process and the implementation of the switch machine features.
- The capacitive humidity sensor (optional) for high-precision imported products, to make our products more in line with the need for production testing.

Specifications:

Model	LFZ-HL: High low temperature chamber LFZ-PHL: Programmable High low temperature chamber			
	LFZ-HL060A(B, C)	LFZ-HL120A(B, C)	LFZ-HL250A(B, C)	LFZ-HL500A(B, C)
	LFZ-PHL060A(B, C)	LFZ-PHL120A(B, C)	LFZ-PHL250A(B, C)	LFZ-PHL500A(B, C)
Microprocessor	LFZ-HL: Digital display, LFZ-PHL: programmable LCD display			
Temp. range	A: -20 ~ 120°C , B: -40 ~ 120°C, C: -60 ~ 130°C (Temperature to +150°C is optional)			
Temp. fluctuations	±0.5°C	±0.5°C	±0.5°C	±0.5°C
Temp. uniformity	±2°C	±2°C	±2°C	±2°C
Capacity	68L	120L	250L	500L
Working size (mm) W*D*H	400×380×450	500×400×600	600×600×700	800×700×900
External size (mm) W*D*H	650×1040×1650	700×1040×1750	800×1160×1850	998×1020×1730
Power	A: 220V/50Hz , B&C: 380V/50Hz			

Model	LFZ-HLH: High low temperature & humidity chamber LFZ-PHLH: Programmable High low temperature & Humidity chamber			
	LFZ-HLH060A(B, C)	LFZ-HLH120A(B, C)	LFZ-HLH250A(B, C)	LFZ-HLH500A(B, C)
	LFZ-PHLH060A(B, C)	LFZ-PHLH120A(B, C)	LFZ-PHLH250A(B, C)	LFZ-PHLH500A(B, C)
Microprocessor	LFZ-HLH: Digital display, LFZ-PHLH: programmable LCD display			
Temp. range	A: -20 ~ 120°C , B: -40 ~ 120°C, C: -60 ~ 130°C (Temperature to +150°C is optional)			
Temp. fluctuations	±0.5°C	±0.5°C	±0.5°C	±0.5°C
Temp. uniformity	±2°C	±2°C	±2°C	±2°C
Humidity range	30~95%RH			
Humidity fluctuations	±3%RH			
Capacity	68L	120L	250L	500L
Working size (mm) W*D*H	400×380×450	500×400×600	600×600×700	800×700×900
External size (mm) W*D*H	650×1040×1650	700×1040×1750	800×1160×1850	998×1020×1730
Power	A: 220V/50Hz , B&C: 380V/50Hz			