



Walk-In Chamber JTH Series

Walk-In Chamber

Welltech provide high-quality Temperature Chamber with different capacity that meet every customer's need, custom design also available.

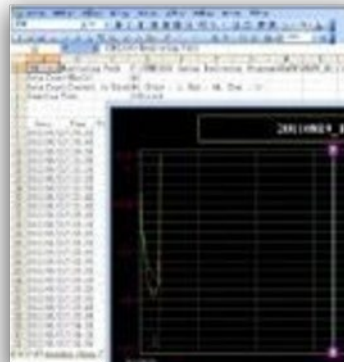


JTH Series

- Capacity : 1500 to 22000L
- Temperature : -70°C to 180°C
- Humidity : 10-99%RH
- Custom size available

Technical Data :

- Temperature Range: -70 to 180C
- Humidity Range: 20 to 98%RH
- Accuracy : +/-0.5C ; +/-3%RH
- Fluctation : +/-0.5C ; +/-3%RH
- Uniformity : +/-1C ; +/-3%RH
- Resolution : 0.01C ; 0.1%RH
- Heating Rate : 3C (Standard), (option with 5C/min or more)
- Cooling Rate : 2C (Standard), (option with 5C/min or more)
- Power Supply : 3phase 400Vac 50/60Hz
- Meet EN-61010-1 Safety of Machine, CNS, JIS, ISO and ASTM standard
- With CE Certificate



Software



LCD Touch Screen Controller

Features :



LCD Touch Screen Controller

- With digital display, graph display, error diagnostic, programming and segments setting, alarm setting, history display, password protection. Program up to 120 pattern



Digital Humidity Probe

- Replace dry and wet bulb method
- Accuracy: +/-1.5%RH



Cable Port

- O.D.: 50mm,80mm, 100mm or 150mm



Grounding Terminal



Dual Compressor Design



Viewing Window

- 250x330 or 490x540mm (WxD)
- With lamp



PLC Microprocessor System



Signal Lamp



Flash Card Data Storage



Water Re-fill System

- Once the water is not enough, the water will goes into the water tank automatically



RS232 or RS485 interface Ethernet Port

- With PC software



Cartridge Type Water Tank

- With water level indicator



Individual Thermostat for heater and boiler



Castors



Lockable Power Switch

Optional Features :



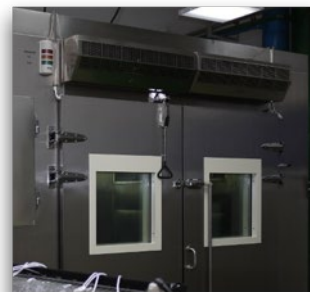
Chart Recorder
• No of channel:2



Ramp



Emergency Stop
• with cover



Air Curtain



Paperless Chart Recorder
• No of channel: 2,4,6,12



Digital Thermostat



Time Signal Terminal



Water Tower



Water Chiller



Chamber Body - Split to small pieces

Safety Devices :

- With thermostats (prevent overheat)
- Circuit overcurrent protection
- short-circuit protection
- Protection (MCCB circuit protection, phase protection, overheat, overcurrent etc)
- specimen power supply control terminal (time signal)
- System alarm display
- Absolute upper/lower limit setting
- phase error protection
- Fan over current protection
- Heater over current protection
- Heater short-circuit protection
- Compressor over current protection
- Compressor over pressure protection
- Compressor short circuit protection
- Humidifier over current protection
- Humidifier over heat protection
- Humidifier water level detection
- Water tank no water warning

Option :

- Built-in with other accessories, such as UV lamp, rain drop, etc
- Remote control and monitoring
- Water purifier
- Variable wind speed control
- With water tower or chiller
- Gas display (e.g. CO, CO₂, O₂)

Controller with ethernet port for network control and monitoring



Model

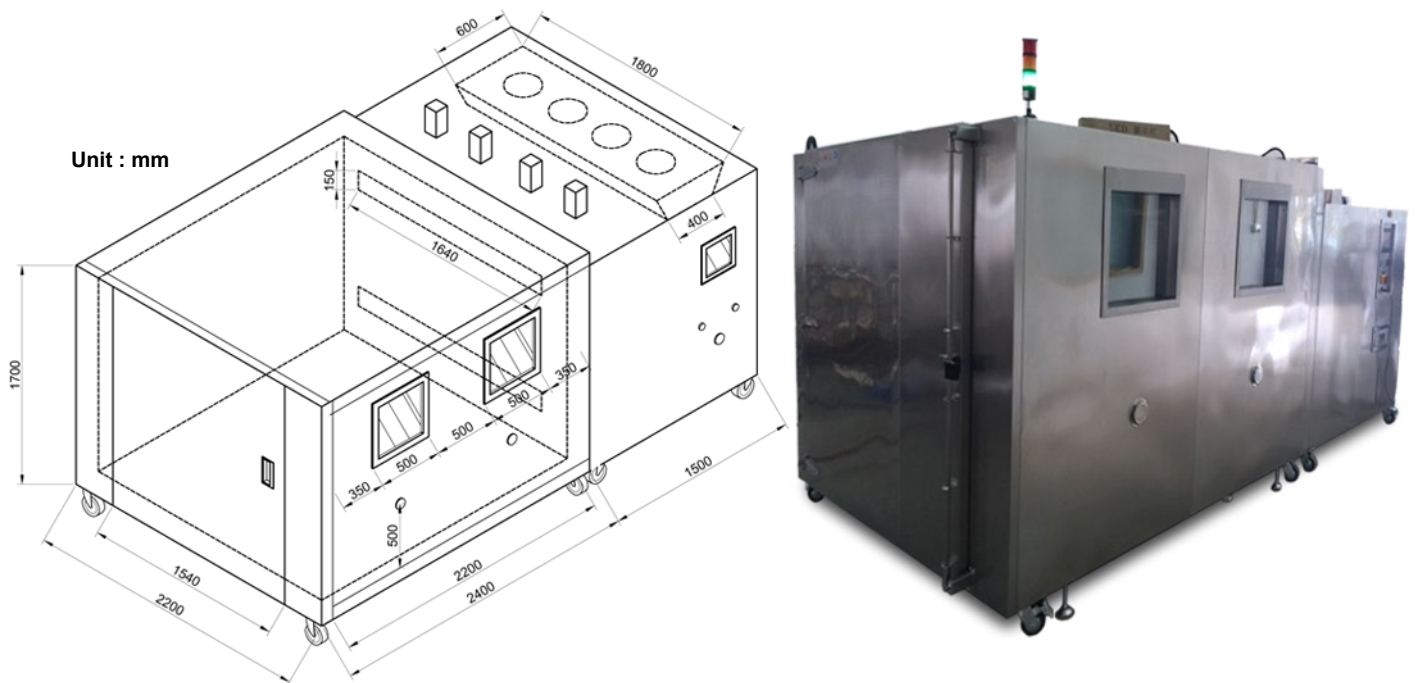
Model Number	Capacity	LCD Touch Screen	Programmable (Temperature)	Programmable (Humidity)	Temperature Range	Humidity Range	Internal Dimension H x W x D (cm)
JTH-1500	1500L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	150 x 100 x 100
JTH-1500J	1500L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	150 x 100 x 100
JTH-1500R	1500L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	150 x 100 x 100
JTH-1500Z	1500L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	150 x 100 x 100
JTH-2000	2000L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	100 x 200 x 100
JTH-2000J	2000L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	100 x 200 x 100
JTH-2000R	2000L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	100 x 200 x 100
JTH-2000Z	2000L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	100 x 200 x 100
JTH-2500	2500L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	100 x 250 x 100
JTH-2500J	2500L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	100 x 250 x 100
JTH-2500R	2500L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	100 x 250 x 100
JTH-2500Z	2500L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	100 x 250 x 100
JTH-4500	4500L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	150 x 150 x 200
JTH-4500J	4500L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	150 x 150 x 200
JTH-4500R	4500L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	150 x 150 x 200
JTH-4500Z	4500L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	150 x 150 x 200
JTH-6000	6000L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	150 x 200 x 200
JTH-6000J	6000L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	150 x 200 x 200
JTH-6000R	6000L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	150 x 200 x 200
JTH-6000Z	6000L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	150 x 200 x 200
JTH-8000	8000L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	220 x 200 x 200
JTH-8000J	8000L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	220 x 200 x 200
JTH-8000R	8000L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	220 x 200 x 200
JTH-8000Z	8000L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	220 x 200 x 200
JTH-12500	12500L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	200 x 250 x 250
JTH-12500J	12500L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	200 x 250 x 250
JTH-12500R	12500L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	200 x 250 x 250
JTH-12500Z	12500L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	200 x 250 x 250
JTH-22000	22000L	Yes	Yes	Yes	0 to 150 degC	20 to 98%RH	280 x 280 x 280
JTH-22000J	22000L	Yes	Yes	Yes	-20 to 150 degC	20 to 98%RH	280 x 280 x 280
JTH-22000R	22000L	Yes	Yes	Yes	-40 to 150 degC	20 to 98%RH	280 x 280 x 280
JTH-22000Z	22000L	Yes	Yes	Yes	-70 to 150 degC	20 to 98%RH	280 x 280 x 280

Note1 : With -H temperature up to 180C

Note2 : Our standard Humidity Range is 20 to 98%RH. (Option: 10%RH)

Custom size available on request

- Drawing will be provided for confirmation before production



- Custom design with other testing
- e.g. Temperature/humidity control with dust testing/ uv & rain drop etc

