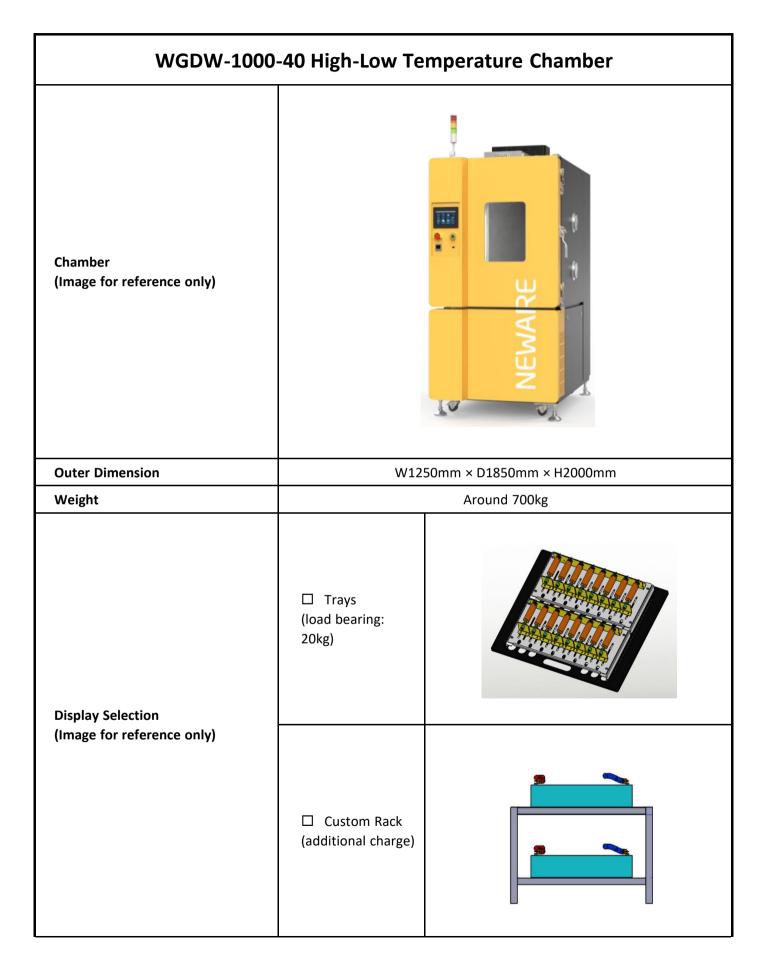


Datasheet





Chamber Dimensions		
Items	Values	
Inner Volume	1000L	
Inner Space Dimension	W1000mm × D1000mm × H1000mm	
Lead Holes	Ø 100mm*4, 2 on each sides	
Load Bearing	20kg/tray	
Performance		
Items	Values	
Temperature Range	-40~150°C	
Fluctuation	\leq ± 0.5°C (max. difference between different test points)	
Deviation	± 2°C (max. difference of the same test point in a period of time)	
Heating Time	20°C \rightarrow 150°C ≤ 60 mins (No load, average non-linearity)	
Cooling Time	20°C→-40°C ≤ 60 mins (No load, average non-linearity)	
Heat Load Limit	\leq 450W (heat generated by battery)	
Refrigeration System		
Items	Values	
Compressor	Mechanical compression cascade refrigeration method	
Cooling Method	Air cooling	
Refrigerant	R404A (Ozone depletion index is 0)/R23	
Insulation Materials	Polyurethane foam + glass wool	
Insulation Thickness	100mm	
Electrical Connection		
Items	Values	
Power Cable	1 cable (5-core, 3-phase-4-wire + protective ground wire)	
Leakage Circuit Breaker	3-phase-4-wire + protective ground wire	
Switch	A power switch of correspongding capacity should be configured to the chamber independently.	
Input Voltage	AC(380±38)V or AC(208±21)V 50Hz or 60Hz	
Protective Ground Wire	Resistance less than 4Ω	
Maximum Power	11kW	



Communication Items Values Host computer communication TCP/IP protocol Communication port Ethernet port Tester communication baud rate 1M Host communication baud rate 10M~100M adaptive Communication setup Set up a LAN (local area network) through switches and routers

Operation and storage environment requirement

Operating system Windows 7/8/10 64bit

Values Items **Operation Environment Temp.** 5~35°C **Operation Environment Humidity** ≤85% RH **Atmospheric Pressure** 86~106kPa Level ground, flatness≤5mm/2m. Good ventilation. No strong vibration around the device. **Installation Site** No strong electromagnetic fields around the device. No flammable/explosive/corrosive substances &dust. There should be enough room for the door to be opened and closed. There should be no objects directly in front of the door.

Health and Safety Protection

Items	Values
Refrigeration	Compressor overheating protection Compressor overloading protection Compressor over-pressure protection Condensing fan overheating protection
Over-Temperature	Independent over-temperature protector. When the working temperature exceeds the set temperature, the device will shut down automatically and send an alarm signal.
Test Chamber	Adjustable over-temperature / abnormal protection of circulating fan within the chamber
Smoke Alarm	The smoke alarm will automatically go off when detected smoke.



Smoke Extraction Device	When the smoke concentration exceeds the set standard, the extraction fan will be activated.	
Others	Total power phase sequence & phase loss protection Leakage protection Overload & short circuit protection Power failure recovery protection	
Note	Opening the door while testing will cause temperature fluctuations. During the test, if the door is opened frequently or left open for a long time, or if the test sample emits moisture, it may cause the heat exchanger of the refrigeration system to frost or freeze and cause issue.	
Add-on Protection (Optional)		
Items	Values	
Explosion-proof and automatic extinguisher	 Add explosion-proof chains on the door. Add pressure relief port, which is located at the left side of the chamber, automatically released when test pressure exceeds the set limitation. Upgrade component parts to explosion-proof strength. The fire extinguishing device configured for each equipment is an 8L carbon dioxide empty bottle, which is installed on the side of the equipment and can be used as manual extinguisher or automatic fire extinguishing system. (Note: Due to logistics and transportation restrictions, users need to find a local professional gas company to fill the carbon dioxide fire extinguisher (cylinder connector model: QF-2A, export thread: G5/8, import thread: PZ27.8) 	
☐ Humidity Control	#ge (%RH) #ge (%RH)	