

Walk-in Environmental Test Chamber - KMHW

Product Features

- Temperature Control: Capable of constant temperature control and program control, with optional full-process data recording.
- Protection/Heater Settings: Short-circuit protection ensures high reliability of airflow and heating during equipment operation.
- USB Interface & Ethernet Communication: Enables device communication and software expansion to meet various customer needs.
- Refrigeration Mode: Utilizes internationally popular refrigeration mode, allowing 0% to 100% automatic adjustment of compressor cooling power, reducing energy consumption by 30% compared to traditional heating balance temperature control modes.
- Key Components: Refrigeration and electrical control components are from internationally renowned brands, ensuring improved and guaranteed equipment quality.
- Customization: Customizable dimensions, usage indicators, and various optional functions based on customer requirements.

Optional Accessories

- Test port, double door, preparation room, floor reinforcement.
- Mobile ramp platform, ceiling blow-out type.
- Low humidity dehumidification equipment, temperature and humidity recorder.
- Status indicator, pure water device.
- Power socket.



Technical parameter							
Model		KMHW					
		4	8	10	15	45	55
Internal Dimensions (mm)	W	2000	2000	2040	2500	5000	5000
	H	2000	2000	2100	3000	3000	2200
	D	1000	2000	2100	2000	3000	5000
Internal Volume		4	8	10	15	45	55
System		Balanced temperature and humidity control system					
Temperature Range		High temperature: 80℃,120℃; Low temperature: -60℃,-50℃,-40℃,-30℃,-20℃,-10℃,0℃					
Humidity Range		20% to 98%					
Temperature Fluctuation		±0.5℃					
Humidity Fluctuation		±2.5%R.H					
Temperature Uniformity		2.0℃					
Heating Time		+20℃ to +80℃ within 60min					
Cooling Time		+20℃ to -55℃, -40℃, -20℃, -10℃ within 120, 90, or 60 min					
Inner Chamber Material		Stainless steel (SUS304)					
Outer Chamber Material		High-quality cold-rolled steel plate with electrostatic powder coating					
Insulation Material		High-density polyurethane foam					
Door Size		Single door :W800*H1800mm Double door : W1600*H1800mm					
Refrigeration System		Water-cooled					
Controller		7" LCD touch screen, Chinese/English display Control Modes: Program control, constant value contro Program Capacity: 120 programs, 1200 segments, 99 full cycles, 99 partial cycles/120 Temp : 0.1%of F.S±1 digit /Humidity:0.1%of F.S±1 digit Temp: pt to100 Humidity:pt to100 or~5VDV -RS 232or-RS 485(Softawre is option)					
Protection Devices		No-fuse switch, compressor overpressure, overheating, overcurrent protection, overtemperature protection, fan overload protection, fuse, dry-burn protection, water shortage protection					
Standard Accessories		1 insulated glass window, 1 cable port (50 mm), 1 set of lighting, indicator light					

*Note: Each parameter, size and appearance are tailored according to customer requirements.
We reserve the right to modify technical parameters.

Energy Storage Cabinet Explosion-proof Walk-in Test Chamber -KMHW

Product Features

Can achieve temperature setting control and program control, full data recorder (optional function);
Protection/heater with sort circuit protection to ensure high reliability of air volume and heating during equipment operation;
USB interface and Ethernet communication function, make the communication and software expansion function of the device meet the various needs of customers;
Cooling balance mode can save 30% power against traditional BTHC mode 0% to 100% cooling power automatic adjustment;
Refrigeration and electrical control key accessories are made of international renowned brand products, so that the quality of the equipment is improved and guaranteed;
Dimensions, usage indicators and optional functions can be customized according to customer requirements.



Technical parameter		
Model		KMHW-364m³
Interior size (mm)	W	6500
	H	5000
	D	11200
Exterior size (mm)	W	7200
	H	5800
	D	19200
Floor area (mm)		5000mm(W)*8000mm(D)
Temperature range		-50°C to +100°C(temperature continuously adjustable)
Temperature fluctuation		≤±0.5°C(No load, constant state)
Temperature uniformity		≤2.0°C(No load, constant state)
Temperature deviation		≤±2.0°C(No load, constant state)
Heating rate		-40°C to +60°C≥2°C/min (with 50T cold load)
		+25°C to +60°C≥1.8°C/min (with 50T cold load)
Cooling rate		+60°C to -40°C≥1°C/min (with 50T, 150KW heat load)
		+25°C to 40°C≥0.8°C/min (with 50T, 150KW heat load)
Interior material		Stainless steel plate(SUS304)
Exterior material		High-quality cold-rolled steel plate, surface electrostatic powder coating
Insulation material		Rigid polyurethane foam insulation layer, flame retardant grade B2
Refrigeration System	Water-cooled	
	Semi-hermetic compressor	
Heater		High quality nickel-chromium alloy heater
Blower		Centrifugal blower
Door observation window		Glass incorporating heat generator
Controller		KOME G 7-inch color touch screen intelligent controller *Operating system: KOME G KM-5166 cold output version
Protective devices		Over-temperature protection, compressor overpressure, circuit breaker, overload protection, fan overload protection, oil pressure protection, water shortage protection, leakage protection.
Standard accessories		Observation window, cable port (Φ50mm, 1 on the left), baffle, baffle rack (2 sets), chamber lamp.
Optional accessories		RS-232C, recorder, special cable port, special sample holder, additional baffle.
Power supply		AC380 ±10% 50Hz three-phase four-wire + ground

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Hydrogen Fuel Cell Explosion-proof Walk-in Chamber -KMWH

Product Features

This series of temperature test chambers are suitable for reliability testing of hydrogen fuel cell stacks and their components. They have the characteristics of temperature and humidity control accuracy and wide control range. The performance indicators meet the requirements of GB5170.2.3.5.6-95 "Basic parameter verification methods for environmental test equipment for electrical and electronic products - low temperature, high temperature, constant humidity and heat, alternating humidity and heat test equipment".



Technical parameter		
Model		KMHW-25L
Interior size (mm)	W	3300
	H	2300
	D	3300
Exterior size (mm)	W	4760
	H	2600
	D	3600
Floor area (m²)		About 17.14
Temperature range		-50°C to +100°C(temperature continuously adjustable)
Temperature fluctuation		≤±0.5°C(No load, constant state)
Temperature uniformity		≤2.0°C(No load, constant state)
Temperature deviation		≤±2.0°C(No load, constant state)
Heating rate		-30°C to +85°C ≤1°C/min (Load 1500kg battery pack and fixture)
Cooling rate		+85°C to -30°C≤0.5°C/min (Load 1500kg battery pack and fixture)
Interior material		Stainless steel plate(SUS304)
Exterior material		High-quality cold-rolled steel plate, surface electrostatic powder coating
Insulation material		Rigid polyurethane foam insulation layer, flame retardant grade B2
Refrigeration System	Water-cooled	
	Semi-hermetic compressor	
Heater		High quality nickel-chromium alloy heater
Blower		Centrifugal blower
Door observation window		Glass incorporating heat generator
Controller		KOME G 7-inch color touch screen intelligent controller *Operating system: KOME G KM-5166 cold output version
Protective devices		Over-temperature protection, compressor overpressure, circuit breaker, overload protection, fan overload protection, oil pressure protection, water shortage protection, leakage protection.
Standard accessories		Observation window, cable port (Φ50mm, 1 on the left), baffle, baffle rack (2 sets), chamber lamp.
Optional accessories		RS-232C, recorder, special cable port, special sample holder, additional baffle.
Power supply		AC380 ±10% 50Hz three-phase four-wire + ground

*Note: Each parameter, size and appearance are tailored according to customer requirements.
We reserve the right to modify technical parameters.