



Constant Temperature and Humidity Test Chamber



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Darsun Scientific Constant Temperature and Humidity Test Chamber

DSH



Product Overview

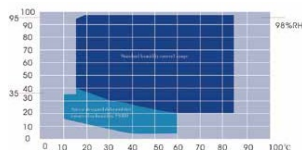
It is suitable for the adaptability test of electrical, electronic, instrumentation and other products, parts and materials during storage, transportation and use in high temperature environment. It is reliability test equipment for various electronic, electrical, plastic raw materials and other materials during heat resistance, moisture resistance, dryness resistance test and quality control engineering.

Product Features

The box body is processed by CNC machine tools, with beautiful and elegant shape, and adopts non-reaction handles for easy operation; The inner shell of the chamber is made of stainless steel, and the outer shell of the box is made of A3 steel plate sprayed with plastic, which increases the appearance texture and cleanliness; The large observation window with lighting keeps the chamber bright, and the embedded tempered glass in the heating body is used to clearly observe the situation inside the box at any time; There is a test hole with a diameter of 50mm on each side of the box, which can be used for external test power and signal lines at the same time to prevent mutual interference.

Humidity control range

At +20°C ambient temperature or +25°C water temperature and no load



- Standard humidity control range
- Optional: Special designed dehumidifier ensures low humidity at 5%RH

Optional accessories

Cable port .Shelves. Ro water purifier:80/Ro-type water purifier(R-80) .Dehumidifier
Temperature and humidity recorder . Defrosting circuit .Liquid or infection



Recorder



Inner glass door



Dehumidifier



Reverse osmosis
water purifier

Model	64-N.D	150-N.D	225-N.D	408-N.D	1000-N.D
Temperature range	-20°C to +180°C				
Humidity range	20 to 98%R.H				
Temperature fluctuation	±0.5°C				
Humidity fluctuation	±2.0%R.H				
Interior size (mm) (WxHxD)	400x400x400	600x600x460	700x700x480	700x750x800	1000x1000x1000
Exterior size (mm) (WxHxD)	700x1652x1170	800x1715x1230	900x1663x1470	900x1715x1790	1200x1860x1725
Floor space (m2)	0.82	0.98	1.3	1.6	2.07
Temperature uniformity	≤2.0°C				
Humidity uniformity	3.0%R.H				
Heating rate	-20°C to +100°C, Average 3°C/min (No specified)				
Cooling rate	+20°C to -20°C, Average 1°C/min (No specified)				
Inner chamber material	SUS304 stainless steel plate, the inner tank is fully welded				
outer chamber material	high quality cold rolled steel plate, surface electrostatic powder coating				
Insulation material	Rigid polyurethane foam insulation layer, flame retardant grade B2				
Refrigeration system	Air cooling and water cooling for selection				
	Single-stage, fully enclosed compressor, environmentally friendly refrigerant				
Controller	7-inch color touch screen intelligent controller Operating system old output version				
Protection device	over-temperature protection, compressor overload and overheating, high-voltage protection, motor over-current protection, over-temperature protection relay, fan overload protection, fuse, dry-burning protector, water shortage protector, alarm action				
Standard accessories	1 window light, 4 mobile casters (with foot cups), 2 units of 50mm lead holes (with silicone plugs), 2 layers of sample racks, 1 set of lighting, 5 meters of power cord				
Operating ambient temperature	+5°C to +35°C				
Equipment power	3.5 kg	5. kg	5.kg	6.kg	10.kg /3.5.kg
Power supply	AC 380V ±10% 50Hz three-phase four-wire + ground wire / single-phase AC 220V ±10% 50Hz (optional)				

Model	64-L.D	150-L.D	225-L.D	408-L.D	1000-L.D
Temperature range	-40°C to +180°C				
Humidity range	20 to 98%R.H				
Temperature fluctuation	±0.5°C				
Humidity fluctuation	±2.0%R.H				
Interior size (mm) (WxHxD)	400x400x400	600x600x460	700x700x480	700x750x800	1000x100x1000
Exterior size (mm) (WxHxD)	700x1652x1170	800x1715x1230	900x1663x1470	900x1715x1790	1200x1860x1725
Floor space (m2)	0.82	0.98	1.3	1.6	2.07
Temperature uniformity	≤2.0°C				
Humidity uniformity	3.0%R.H				
Heating rate	-40°C to +100°C, Average 3°C/min (No specified)				
Cooling rate	+20°C to -40°C, Average 1°C/min (No specified)				
Inner chamber material	SUS304 stainless steel plate, the inner tank is fully welded				
outer chamber material	high quality cold rolled steel plate, surface electrostatic powder coating				
Insulation material	Rigid polyurethane foam insulation layer, flame retardant grade B2				
Refrigeration system	Air cooling and water cooling for selection				
	Single-stage, fully enclosed compressor, environmentally friendly refrigerant				
Controller	7-inch color touch screen intelligent controller *Operating system: cold output version				
Protection device	over-temperature protection, compressor overload and overheating, high-voltage protection, motor over-current protection, over-temperature protection relay, fan overload protection, fuse, dry-burning protector, water shortage protector, alarm action				
Standard accessories	1 window light, 4 mobile casters (with foot cups), 2 units of 50mm lead holes (with silicone plugs), 2 layers of sample racks, 1 set of lighting, 5 meters of power cord				
Operating ambient temperature	+5°C to +35°C				
Equipment power	5.kg	6. kg	7.5 kg	7.5 kg	13.kg
Power supply	AC 380V ±10% 50Hz three-phase four-wire + ground wire / single-phase AC 220V ±10% 50Hz (optional)				

Model	64-U.D	150-U.D	225-U.D	408-U.D	1000-U.D
Temperature range	-70°C to +180°C				
Humidity range	20 to 98%R.H				
Temperature fluctuation	±0.5°C				
Humidity fluctuation	±2.0%R.H				
Interior size (mm) (WxHxD)	400x400x400	600x600x460	700x700x480	700x750x800	1000x100x1000
Exterior size (mm) (WxHxD)	700x1652x1170	800x1715x1230	900x1663x1470	900x1715x1790	1200x1860x1725
Floor space (m2)	0.82	0.98	1.3	1.6	2.07
Temperature uniformity	≤2.0°C				
Humidity uniformity	3.0%R.H				
Heating rate	-70°C to +180°C				
Cooling rate	+20°C to -70°C , Average 1°C/min (No specified)				
Inner chamber material	SUS304 stainless steel plate, the inner tank is fully welded				
outer chamber material	high quality cold rolled steel plate, surface electrostatic powder coating				
Insulation material	Rigid polyurethane foam insulation layer, flame retardant grade B2				
Refrigeration system	Air cooling and water cooling for selection				
	HFC-R404A/HFC-23: Cascade, fully enclosed compressor (HFC-R404A/HFC-23				
Controller	7-inch color touch screen intelligent controller *Operating system: cold output version				
Protection device	over-temperature protection, compressor overload and overheating, high-voltage protection, motor over-current protection, over-temperature protection relay, fan overload protection, fuse, dry-burning protector, water shortage protector, alarm action				
Standard accessories	1 window light, 4 mobile casters (with foot cups), 2 units of 50mm lead holes (with silicone plugs), 2 layers of sample racks, 1 set of lighting, 5 meters of power cord				
Operating ambient temperature	+5°C to +35°C				
Equipment power	6.kg	6.5 kg	8. kg	9. kg	16.kg
Power supply	AC 380V ±10% 50Hz three-phase four-wire + ground wire / single-phase AC 220V ±10% 50Hz (optional)				