

Low Temperature Chambers for Charpy(Compressor)**Application**

KASON CDW-60T Model The machine is designed according to Charpy notch Impact Test Method for Metal Material, and adopts compressor cooling technology. It utilizes the heat balance principle and cycle stirring method to realize the constant temperature cooling to impact specimen with the reliable performance. Digital display, automatic control temperature, and it is the ideal equipment for cooling and keeping temperature to impact specimen.

Main component

The machine obtains one compressor, heating unit, electronic control box , cooling tank, cooling medium circulation system, automatic warning device, etc.

Standards

ASTM, E23-02a, En10045, ISO83 , GB/T229-2009

Specifications

Model	KASON CDW-40T	KASON CDW-60T	KASON CDW-80T	KASON CDW-100T
Temperature range	30~-40 °C	30~-60 °C	30°C~-80 °C	30°C~-100 °C
Temperature control accuracy	±0.2°C			
Uniformity	1°C			
Temperature dropping speed	+30°C~0°C about 1.5°C/min 0°C~-20°C about 1.3°C/min -20~-40°C about 1.0°C/min	+30°C~0°C about 1.5°C/min 0°C~-20°C about 1.3°C/min -20~-40°C about 1.0°C/min -40°C~-60°C about 0.8°C/min	+30°C~0°C about 1.5°C/min 0°C~-20°C about 1.3°C/min -20°C~-40°C about 1.2°C/min -40°C~-60°C about 1.0°C/min -60°C~-80°C about 0.8°C/min	+30°C~0°C about 2°C/min 0°C~-40°C about 1.5°C/min -40°C~-80°C about 1.2°C/min -80°C~-100°C about 0.8°C/min
Maximum dimensions(L×W×H)	910*510*950mm			1100*700*1100mm
Cooling tank dimensions(L×W×H)	300*160*120mm			
Effective cooling room (L×W×H)	140*160*120mm			
Specimen Quantity	72 (impact specimen size: 10×10×55mm)			
Independent digital display timer	1 second to 59 minutes and 59 seconds, resolution 1 second			
Mode of refrigeration	compressor refrigeration			
Cooling medium	methanol or anhydrous ethanol about 5L (75% alcohol disinfectant is prohibited)			
Power	220V±10%, 50HZ, 2.0kW		220V±10%, 50HZ, 3.2kW	
Working environment temperature	5°C~30°C			

FOCUS IN MATERIAL TEST

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