Haier Biomedical
Intelligent Protection of Life Science | HB TempCon TEMPERATURE CONTROL

Active Temperature Controlled RKN Container



RKN-AT1

Scope of Application :

This product is applicable for international aviation cold chain transportation of drugs, vaccines, medicines, biological products, raw materials, high-end fresh food and other products which require strict temperature control.

Innovative Design

- Safe, reliable and secure
- Superior temperature uniformity
- Robust construction
- Automatic switching between AC power supply and built-in battery power supply

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Active Temperature Controlled RKN Container

Product Advantages

- Robust construction with advanced technology to ensure reliable quality and stable performance
- Prevent internal temperature deviation and ensure the temperature uniformity under extreme environmental temperature changes
- Superior internal temperature uniformity
- Cost-Effective Performance

Specifications



Power	
Supports automatic switching between external AC power supply and built-in battery power supply, which is convenient to use and simple to operate	
Recharging power supply	100-240V AC, 50-60Hz
Maximum charging time (h)	10 (fast charging)
Maximum power during charging (w)	1,850

Temperature Control Performance		
The temperature management system, developed independently, achieves accurate temperature control through compressor refrigeration and electric heating innovative air circulation system to effectively balance the temperature difference		
Temperature range	Internal temperature tolerance	
0°C~+25°C (+32°F to +77°F)	At set temperature +2°C~+10°C (+35.6°F to +50°F), Tolerance +/-3°C (+/-5.4°F)	
	At set temperature +10°C~+20°C (+50°F to +68°F), Tolerance +/-5°C (+/-9°F)	
Battery capacity	Operating ambient temperature	Storage ambient temperature
When the ambient temperature is 25°C (77°F), the set temperature is 5°C (41°F), , the container can operate for more than 50 hrs.	-20°C~+43°C (-4°F to +109.4°F)	-40°C~+50°C (-40°F to +122°F)

Construction			
Internal effective volume	Exterior dimensions (L*W*H)	Interior dimensions (L*W*H)	Door opening (L*H)
2m³ (70.6 foot³)	2005*1534*1620mm (78.9*60.4*63.8in)	1294*1273*1264mm (50.9*50.1*49.8in)	1294*1264mm (50.9*49.8in)

Weight		
Tare weight	Operational maximum gross weight	Maximum payload
640kg (1410lbs)	1588kg (3500lbs)	948kg (2090lbs)

Data Recording	Data recording function: internal and external temperature, door opening times, alarm information through USB port
Others	Applicable Aircraft Models: A300, A310, A330, A340, A380, B747, B767, B777, DC10, IL86, MD11, L1011 as key examples
Note	Tare weight and maximum payload might vary due to load variations and maintenance

*Typical prototype test data

Haier Biomedical reserves the right to change products and specifications without prior notice.