Haier Biomedical
Intelligent Protection of Life Science

HB TempCon
Aviation Temperature Control Expert

Active Temperature Controlled RKN Container

RKN

Scope of Application:

This product is applicable for international aviation cold chain transportation of drugs, vaccines, medicines, biological products, raw materials, premium 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 battery power supply

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Qingdao HB TempCon Aviation Co., Ltd. (HB TempCon) is a subsidiary of Qingdao Haier Biomedical and specialized in providing aviation temperature control services. HB TempCon is committed to becoming the aviation temperature control expert and will persist in providing professional solutions for transporting temperature sensitive goods including pharmaceuticals, vaccines, biological products and bulk drugs for the global customers with top quality, high reliability and efficiency.

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, 100

Temperature Control Performance		
The ACS/ATC 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 20°C (68°F), the set temperature is 5°C (41°F) , the container can operate for more than 60 hrs.	-20°C~43°C (-4°F to 109.4°F)	-40°C~55°C (-40°F to 131°F)

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

Weight		
Tare weight	Operational maximum gross weight	Maximum payload
650kg (1433lbs)	1588kg (3500lbs)	938kg (2067lbs)

Data Recording	Enable USB-based export of logged data including internal and external temperatures,door opening times,triggered alarms and etc.
Others	Compatible Aircraft Models:A330,A350,A380,B747,B767,B777,B787,etc.
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.