

# Active Temperature Controlled RAP Container

## Scope of Application

Safeguarding the international air transportation of high-value temperature-sensitive goods such as biomedical, fine chemical, precision electronics, and etc. that require strict and precise temperature control.



## Advantages&Feature

 Robust construction , reliable quality and stable performance

 Superior internal temperature uniformity

 Accurately detect extreme temperature fluctuations and intelligently maintain a stable temperature

 Real-time data logging to enhance supply chain visibility

## Specifications

### Power

Supports automatic switching between external AC power and built-in battery power for convenient and simple operation

|                                   |                      |
|-----------------------------------|----------------------|
| Recharging power supply           | 100-240V AC, 50/60Hz |
| Maximum charging time (h)         | 12                   |
| Maximum power during charging (w) | 1,600                |

### Temperature Control Performance

Self-developed temperature management system achieves precise temperature control through compressor refrigeration and electric heating  
Innovative airflow circulation system effectively balances temperature differences.

| Temperature range         | Internal temperature tolerance                              |                             |
|---------------------------|---|-----------------------------|
| 3°C~30°C (37.4°F to 86°F) | At set temperature 5°C (41°F), Tolerance +/-2°C (+/-3.6°F)  |                             |
|                           | At set temperature 20°C (68°F), Tolerance +/-3°C (+/-5.4°F) |                             |
| Battery capacity          | Operating ambient temperature                               | Storage ambient temperature |
| 180 hrs                   | -32°C~49°C (-25.6°F to 120.2°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)                 |
|---|--|---|------------------------------------|
| 6.6m <sup>3</sup> (233ft <sup>3</sup> ) | 3175mm×2235mm×1626mm<br>(125in×88in×64.02in) | 2465mm×2055mm×1315mm<br>(97.05in×80.91in×51.77in) | 2055mm×1315mm<br>(80.91in×51.77in) |

### Weight

| Tare weight     | Operational maximum gross weight | Maximum payload |
|-----------------|----------------------------------|-----------------|
| 1140kg (2513lb) | 4625kg (10196lb)                 | 3485kg (7683lb) |

### Data Recording

Enable USB-based export of logged data including internal and external temperatures, door opening events, 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.