



## TECHNICAL SPECIFICATION

### Envirotainer® container RAP e2

#### The most advanced temperature-controlled air cargo container

Envirotainer presents its latest addition to the portfolio of active temperature-controlled air cargo containers. Designed for the most extreme requirements of the healthcare industry, the RAP e2 container maintains product temperatures in the +2 to +8 °C range, controlled room temperature (+15 to +25 °C) range or at any chosen set temperature between  $\pm 0$  and +25 °C in nearly any ambient condition appearing along shipping routes globally. The RAP e2 is a certified air cargo ULD (Unit Load Device) ensuring seamless handling throughout the supply chain worldwide. The unit can be carried on board of the most common wide body aircraft types.

Drawing on the benefits of the established and proven Envirotainer electrical heating and cooling technology the RAP e2 features a completely new designed container shell with superior insulation performance allowing for the most temperature stable shipments regardless of the ambient conditions.

#### Key features for consistent temperature-control:

- Insulated container shell built in an all composite material for superior insulation properties
- Fully redundant electrical heating and compressor cooling system
- Rechargeable batteries that can be charged at standard AC-power connection points
- Enhanced air circulation system inside the container ensures a low temperature gradient within the entire cargo space
- Air circulated by the heating and cooling unit is close to the set temperature
- Easy to use control unit allowing simple operation of the container
- Fully validated temperature and battery information recording solution (RAPID)
- Forkliftable from all sides even when fully loaded, eliminating the need for rollerbeds

#### Performance data:

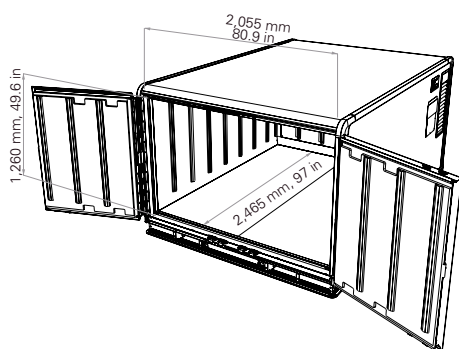
- Autonomy running on batteries > 100 h in a typical shipment scenario (dependent on ambient temperature exposure and set point)
- Autonomy running on batteries in extreme conditions up to 35h
- Operational at temperatures from -30 to +50 °C
- Set temperature range  $\pm 0$  to +25 °C
- Temperature tolerance  $\pm 3$  °C (at set temperature +5 °C) when container is in use
- Batteries charged (from 0 to 100%) in 12 h regardless if container is in use or not

Envirotainer is an open platform service provider - our products are made available worldwide through a range of partners in the airline and forwarding industry. Contact Envirotainer to test the RAP e2 container.

## Temperature controlled system

Fully redundant thermostat-controlled air conditioning system with compressor cooling and electrical heating. Powered by rechargeable batteries.

|                                                 |                                 |
|-------------------------------------------------|---------------------------------|
| Recharging power supply.                        | 100 - 240 Volt AC 50 - 60 HZ    |
| Set temperature range.                          | ±0 to +25 °C<br>+32 to +77 °F   |
| Operation temperature range at set temp +5 °C.  | -25 to +40 °C<br>-13 to +104 °F |
| Operation temperature range at set temp +20 °C. | -15 to +50 °C<br>-59 to +122 °F |
| Non-operational storage temperature range.      | -40 to +50 °C<br>-40 to +122 °F |
| Max recharging time to full charge.             | 12 h                            |



## Dimensions

Designed to fit a maximum of five EUR pallets or four US pallets.

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Air craft code.                   | RAP/LD9                                      |
| External cube (volume).           | 11.5 m³<br>406.1 cu.ft                       |
| External dimensions (L x W x H).  | 3175 x 2235 x 1626 mm<br>125 x 88 x 64 in    |
| Internal dimensions (L x W x H).  | 2465 x 2055 x 1260 mm<br>97 x 80.9 x 49.6 in |
| Internal cube (volume) for cargo. | 6.38 m³<br>224.2 cu.ft.                      |

## Weight

|                          |                      |
|--------------------------|----------------------|
| Tare weight.             | 1100 kg<br>2425 lbs  |
| Max net weight of cargo. | 4933 kg<br>10875 lbs |

## Other information

Usable for aircraft A300, A310, A330, A340, A380, B747, B767, B777, DC10, IL86, MD11, L1011.

10 m cable as well as adapters for charging worldwide provided with unit.

Forkliftable from all sides using long forks and a minimum distance of 813 mm/ 32 in between forklift pockets.

Extensive qualification and risk analysis data available to support quick implementation.

## Contact information

It is easy to implement and work with an Envirotainer® solution. We offer a range of container types for convenient short and long term leasing from a worldwide network of stations.

Please contact your local sales representative or visit [www.envirotainer.com](http://www.envirotainer.com) for more information.

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