



## Envirotainer<sup>®</sup> container RKN e1 - all seasons, all weathers and all occasions

Envirotainer proudly presents its latest complement to its portfolio of active temperature-controlled solution – the RKN e1. Designed for extreme requirements of the life sciences industry, the container maintains temperatures in the +2 to 8 °C range as well as in room temperature, +2 to 25 °C. The RKN e1 is a certified air cargo ULD (Unit Load Device) ensuring seamless handling throughout the supply chain worldwide. The unit can be carried on board the most common long-haul aircraft types.

Drawing on the benefits of the shape and size of the Envirotainer dry-ice container, the RKN e1 uses a different technology; compressor cooling and electrical heating.

### Key features for consistent temperature-control:

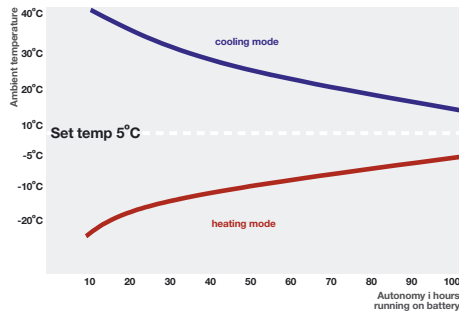
- Insulated container shell
- Electrical heating and compressor cooling
- One energy source. Rechargeable batteries that can be recharged at standard AC-power connection points
- Air circulated by the heating/cooling unit is close to the set temperature
- Enhanced air circulation inside the container ensures a low temperature gradient within the cargo space
- Convenient and simple loading for an optimized load thanks to the use of wide doors and spacers on the inside walls
- An easy to use control unit allowing simple operation of the container

### Performance data:

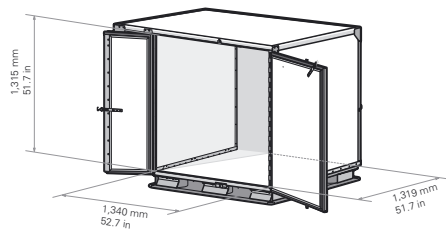
- Autonomy running on batteries > 100 h in a typical shipment scenario
- Autonomy running on batteries at extreme conditions minimum 35 h
- Product temperature range +2 to 20 °C (ideal performance at set temperature +5 °C)
- Temperature gradient  $\pm 1$  °C (at set temperature +5 °C)
- Batteries charged (from 0 to 100%) in 8 h

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 your service provider or contact Envirotainer directly to test the RKN e1 container.

## Operating time (without recharging)



## Internal dimensions



## Temperature controlled system

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 +20 °C<br>+32 to +68 °F   |
| Operation temperature range               | -20 to +40 °C<br>-4 to +104 °F  |
| Non-operational storage temperature range | -40 to +50 °C<br>-40 to +122 °F |
| Max recharging time to full charge        | 8 h                             |

## Dimensions

|                                  |   |
|----------------------------------|---|
| Air craft code                   | RKN /LD3  |
| External cube (volume)           | 4.8 m <sup>3</sup><br>169.5 cu.ft                 |
| External dimensions (L · W · H)  | 2,000 · 1,530 · 1,620 mm<br>78.7 · 60.2 · 63.8 in |
| Internal dimensions (L · W · H)  | 1,340 · 1,319 · 1,315 mm<br>52.7 · 51.9 · 51.7 in |
| Internal cube (volume) for cargo | 2.3 m <sup>3</sup><br>81.9 cu.ft.                 |

## Weight

|                         |                     |
|-------------------------|---------------------|
| Tare weight             | 635 kg<br>1,400 lbs |
| Max net weight of cargo | 953 kg<br>2,101 lbs |

## Other information

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

12 m cable as well as adapters for charging worldwide provided with unit

Forkliftable with a slot-height of 95 mm (3.74 in)

## Contact information

It is easy to implement and work with an Envirotainer<sup>®</sup> 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.