



Quality.  
Experience.  
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ANNO 1885



# PolarLite

Lightweight Freezer Truck Bodies for  
Ice Cream and Frozen Food Distribution



Payload up to  
**1,000 kg**



**Zero-emission**  
refrigeration (–33 to –20°C)



**8+ years** of efficient  
system performance

# PolarLite series by Carlsen Baltic is designed for ice cream and frozen food distribution.

All refrigerated bodies are equipped with eutectic refrigeration system which is an eco-friendly, reliable and maintenance-free alternative to conventional cooling systems. Lightweight body design provides a class-leading 1,000 kg payload on a 3,500 kg vehicle.

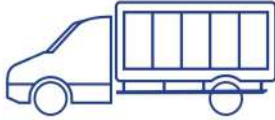
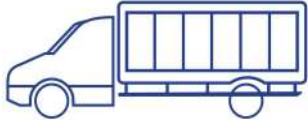
PolarLite bodies feature multiple compartments, each equipped with LED lighting and adjustable aluminum shelves. Side doors, symmetrically placed on both sides of the body, allow an easy access to the specific product range and a better temperature stability during multi-drop operations.



## Standard Equipment

- Eutectic cooling system (included)
- Cooling unit in front left compartment
- Manual anti-theft central locking system
- Interior LED lighting
- Tapered door frame to prevent ice formation
- Rubber door gaskets with friction reducing surface
- Door retainers
- Stainless steel handles
- Water channels above side doors
- Water drainage on floor
- Plastic grid flooring to increase air circulation
- Inside and outside thermometers
- Rear rubber bumper
- Mudguards and mud flaps
- Mounting kit

# Standard Models

		
Model	<b>3.5T10 PolarLite</b>	<b>3.5T / 5T12 PolarLite</b>
Quantity of Side Doors	<b>10 (five on each side):</b> 9 doors to freeze compartments, 1 door to dry compartment with access to cooling unit	<b>12 (six on each side):</b> 11 doors to freeze compartments, 1 door to dry compartment, with access to cooling unit
Refrigeration System	Eutectic	Eutectic
Operating Temperature	-33 °C to -20 °C	-33 °C to -20 °C
Duration of Frozen Operation*	8-10 h	8-10 h
Average Time of Pull-down	6-8 h	6-8 h
Gross Vehicle Weight (GVW)	3,500 kg	3,500 kg / 5,000 kg
Body Weight (incl. cooling system)	~750 kg	~950 kg
Payload** (GVW 3,500 kg)	<b>up to 1,000 kg</b>	<b>up to 930 kg</b>
External Body Dimensions (L x W x H)	3,611 x 2,020 x 1,682 mm	4,286 x 2,020 x 1,682 mm
Usable Internal Volume, freeze compartments	7.2 m <sup>3</sup> (~0.8 m <sup>3</sup> each)	8.8 m <sup>3</sup> (~0.8 m <sup>3</sup> each)
Internal Volume, dry compartment	0.44 m <sup>3</sup>	0.44 m <sup>3</sup>
Insulation	Bottom: 155 mm, roof: 150 mm, walls: 125 mm	
K Value	≤ 0.21 W/(m <sup>2</sup> K)	≤ 0.21 W/(m <sup>2</sup> K)
Door Opening	W 600 x H 1,000 mm	

\* depends on working conditions

\*\* depends on configuration

Our product range is not limited to standard products above. All products can be customized to your specific needs, as we have a flexible in-house production, a wide range of suppliers and, most importantly, an open-minded attitude to new ideas.

# Features & Benefits



## Autonomous cooling system

- No connection to powertrain
  - Continuous cooling, even when the vehicle engine is off
  - High instantaneous refrigerating capacity, suitable for frequent door openings
  - Merchandise preserved even in case of vehicle failure
- 



## Environmentally friendly solution

- Zero-emission refrigeration
  - Zero-noise during operation
  - Low noise while charging (~41 dBA only)
  - Electrical operation only
  - Compatibility both with internal combustion engines and electric powertrain
- 



## Low operating cost

- Charged at night on mains power using off-peak electricity
  - No fuel or energy required for refrigeration during delivery
  - Skilled labour not required for handling the system
- 



## Low TCO

- Maintenance-free
  - 8+ years of efficient system performance
  - High product reliability proven through 25+ years in operation
- 



## Best-in-class after sales support

- Full 24-month warranty valid in Europe
  - Service and technical assistance throughout the EU and beyond by our mobile service team or our partners
  - Online spare parts catalogue
- 



## Convenient vehicle construction

- Quick and easy access to goods due to maximized number of doors
- Goods accessible without entering the body
- Optimal doors dimensions
- Low body height, less air flow resistance

# Additional Options

In addition to standard equipment, we offer a range of additional options available upon request:

## / Insulated compartments:

- without eutectic plate (dry compartment);
- with eutectic plate switch on/off;
- operating at **0 °C to +5 °C** or **+5 °C to +12 °C**.

## / Electric central lock with remote control

Electric anti-theft locking system allows to simultaneously lock all doors.

## / External LED lighting

LED strips increase visual appeal and visibility while the vehicle is standing.

## / Integrated battery charger

Refrigerated body can be equipped with a smart charger to charge the battery of the vehicle at night which will help you to avoid flat battery in the morning. Strongly recommended for multi-drop deliveries.

## / Rear doors and trolleys

Loading and unloading of goods is extremely easy when using a combination of rear doors and zinc plated steel trolleys.

## / Rear view camera

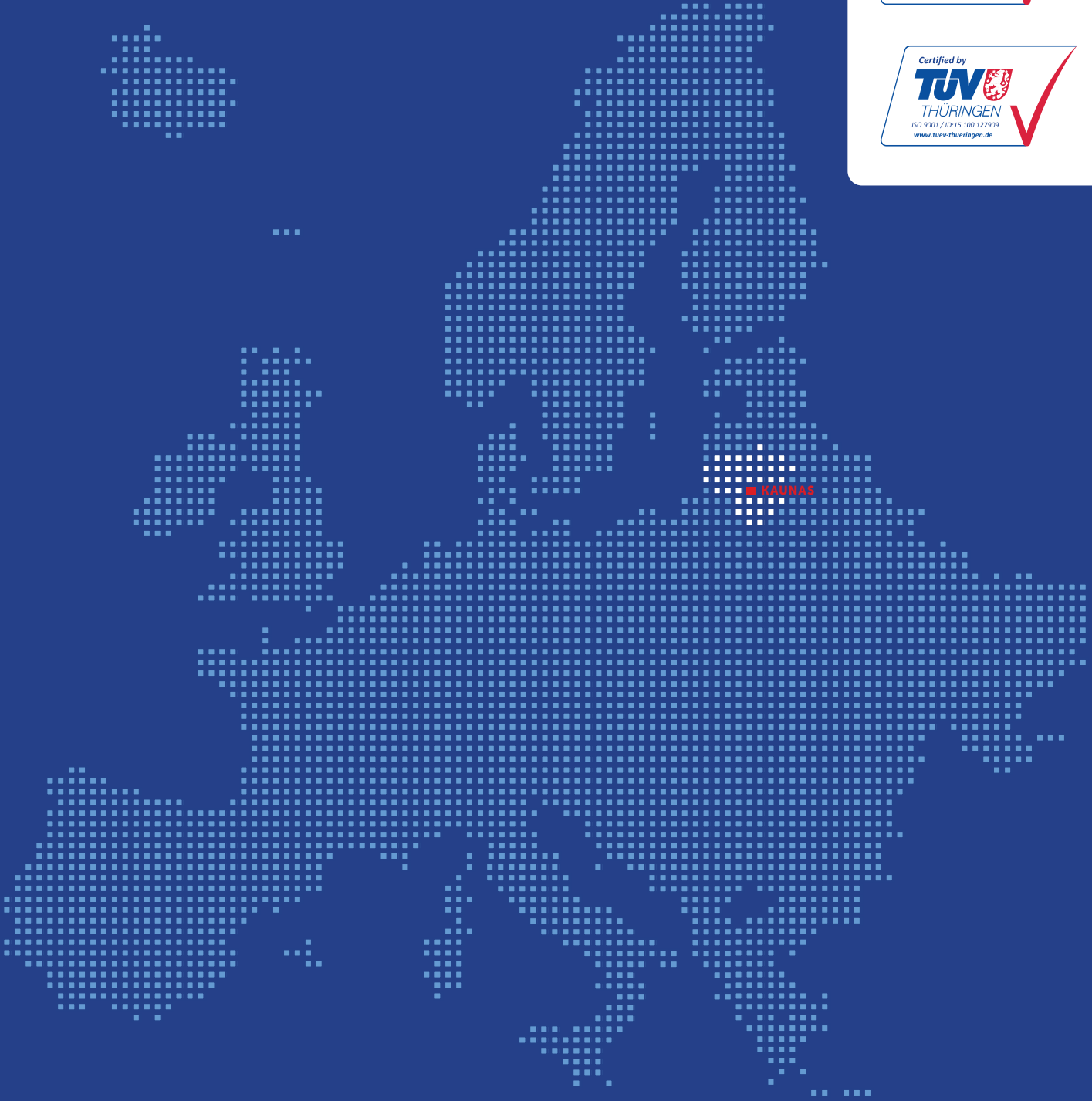
Rear view camera with a 7" LCD display makes safe parking and maneuvering in tight spaces easier.

## / Rear advertising panel

Rear advertising gives customer an opportunity to engage with drivers, passengers and pedestrians when they have time to read and absorb their messages. In order to increase visual appeal and visibility, our advertising compartment can be equipped with LED illumination.

## / Vehicle wrapping (folio decoration)

Upon customer's request refrigerated body can be decorated to promote their brand and deliver their message.



Discover more lightweight solutions at [www.carlsenbaltic.com](http://www.carlsenbaltic.com)

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