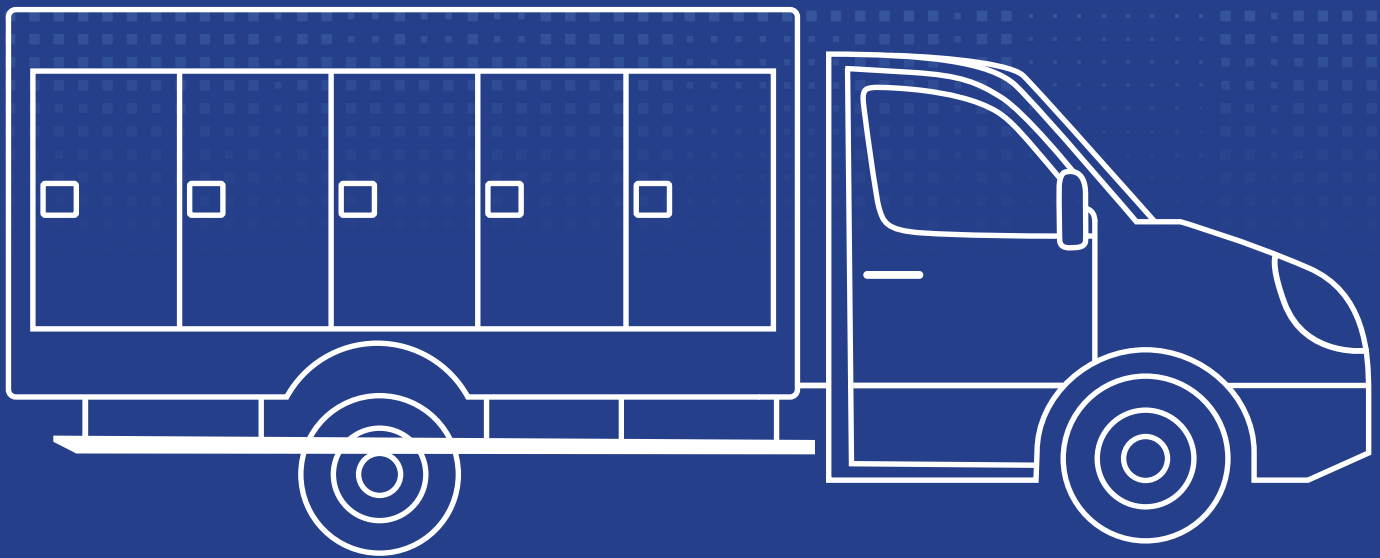




Quality.
Experience.
Innovation.

ANNO 1885



PolarLite

Lightweight Freezer Truck Bodies for
Ice Cream and Frozen Food Distribution



Payload up to
1,000 kg



Zero-emission
refrigeration

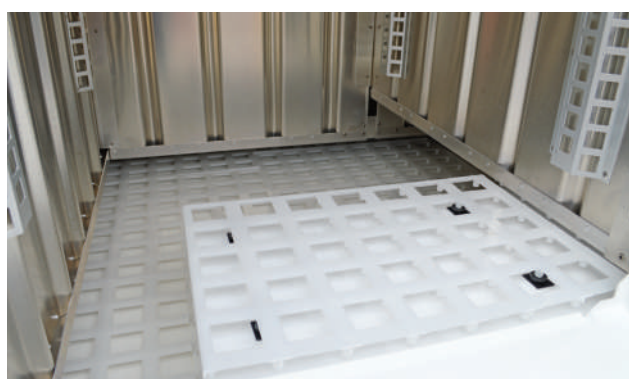


Autonomous
cooling system

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 plates
- Cooling unit in front left compartment
- Manual anti-theft locking system
- Removable, height adjustable aluminum shelves
- Anti-slip aluminum steps
- 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	3.5T10 PolarLite	3.5T / 5T12 PolarLite
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
Internal Body Dimensions (L x W x H)	3,355 x 1,764 x 1,390 mm	4,030 x 1,764 x 1,390 mm
Gross Vehicle Weight (GVW)	3,500 kg	3,500 kg / 5,000 kg
Body Weight (without additional options)	~750 kg	~950 kg
Payload* (GVW 3,500 kg)	up to 1,000 kg	up to 930 kg
Internal Volume, freeze compartment	7.4 m ³	9.05 m ³
Internal Volume, dry compartment	0.45 m ³	0.45 m ³
Refrigeration System	Eutectic	
Operating Temperature	-33 °C to -20 °C	
Duration of Frozen Operation**	8-10 h	
Average Time of Pull-down	6-8 h	
Insulation	125 mm	
K Value	< 0.24 W/(m ² K)	
Quantity of Side Doors (door opening: W 600 x H 1,000 mm)	10 (five on each side): 9 doors to freeze compartments, 1 door to dry compartment with access to cooling unit	12 (six on each side): 11 doors to freeze compartments, 1 door to dry compartment, with access to cooling unit
Rear Doors	Optional	

* depends on configuration

** depends on working conditions

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 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
- Quick and reliable spare parts supply

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**.

/ Cooling unit mounted in the roof

Allows to increase the internal volume of freeze compartments.

/ 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.

/ Parking system

Parking system consisting of 4 rear parking sensors, a buzzer and an indicator makes reverse parking a breeze.

/ 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.

/ Custom paint

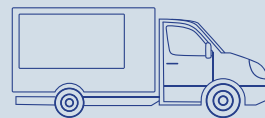
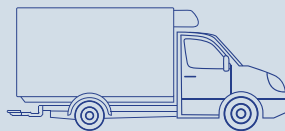
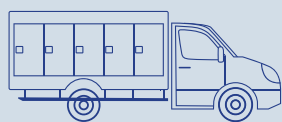
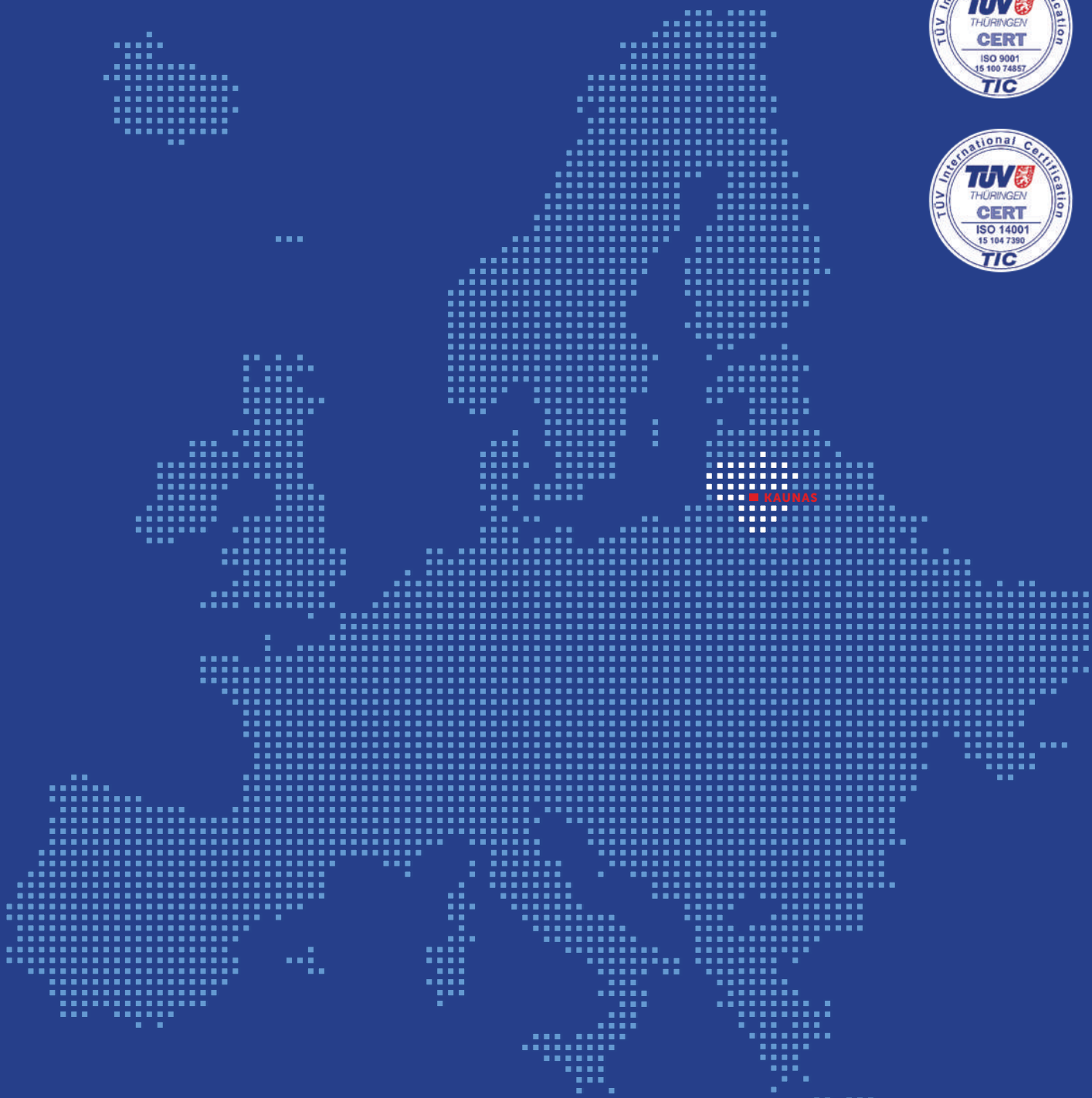
Custom colour can be applied on our refrigerated bodies upon request (acrylic base only).

/ Vehicle wrapping (folio decoration)

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

/ Cold curtains

Allows quick access to compartments while preventing the loss of cold air.



Discover more lightweight solutions at www.carlsenbaltic.com

Carlsen Baltic, UAB
Veiveriu g. 150, LT-46391 Kaunas, LITHUANIA
+370 37 407343, sales@carlsenbaltic.com

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