

MultiLite

Multi-Temperature Bodies for Smart
City Logistics and Last-Mile Deliveries



Payload up to
1,000 kg



Zero-emission
refrigeration



Autonomous
cooling system

One vehicle. Multiple temperatures.

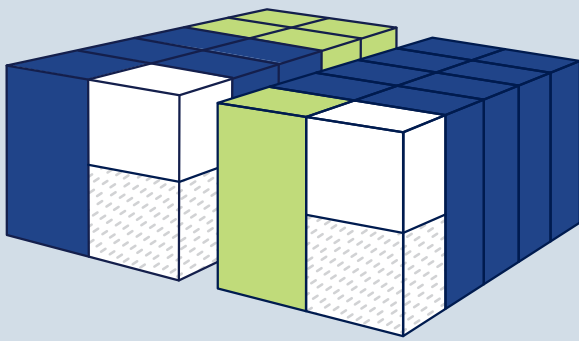
MultiLite by Carlsen Baltic is a multi-temperature body with frozen, chilled and ambient compartments. MultiLite allows to transport a variety of temperature-controlled products at the same time (frozen products, ice cream, dairy products, fruits and vegetables, beverages, etc.), helping to reduce CO2 emissions, lower customer's fuel costs and boost the efficiency of their logistics. Side doors, symmetrically placed on both sides of the body, ensure an easy

access to the specific product range and a better temperature stability during multi-drop operations.

Lightweight Carlsen's body with zero-emission eutectic refrigeration and a 1,000 kg payload on a 3,500 kg vehicle is ideal for inner-city distribution and last-mile deliveries in residential areas. Various compartment combinations are available as per customers' requirements.

Example of compartment configurations

Chilled compartments are heated at negative ambient temperatures.



- Freeze compartments (-33 °C to -20 °C)
- Chilled compartments (0 °C to +5 °C / +5 °C to +12 °C)
- Ambient temperature compartment
- Cooling unit



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

Features & Benefits



Multi-temperature solution

- Designed for urban distribution
- Three temperature zones in one vehicle
- Chilled compartments with adjustable temperatures (+5 °C / +12 °C)
- Flexible compartment configuration when ordering
- Fully compliant with ATP requirements



Environmentally friendly refrigeration

- Zero-emission
- Zero-noise operation, ideal for early morning or late-night deliveries
- Low noise while charging (~41 dBA only)
- Electrical operation only
- Compatibility both with internal combustion engines and electric powertrain



Autonomous cooling system

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



Low operating cost

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



Best-in-class after sales support

- Full 24-month warranty all over 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, Carlsen Baltic offers a range of additional options available upon request:

/ Insulated compartments:

- without eutectic plate (dry compartment);
- with eutectic plate switch on/off.

/ Electric central lock with remote control

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

/ Rear doors and trolleys

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

/ 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.

/ 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.

/ Cold curtain for side doors



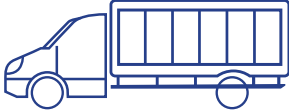
Allows quick access to compartment while preventing the loss of cold air.

/ Vehicle wrapping (folio decoration)

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



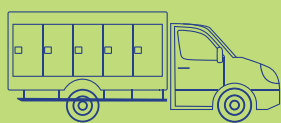
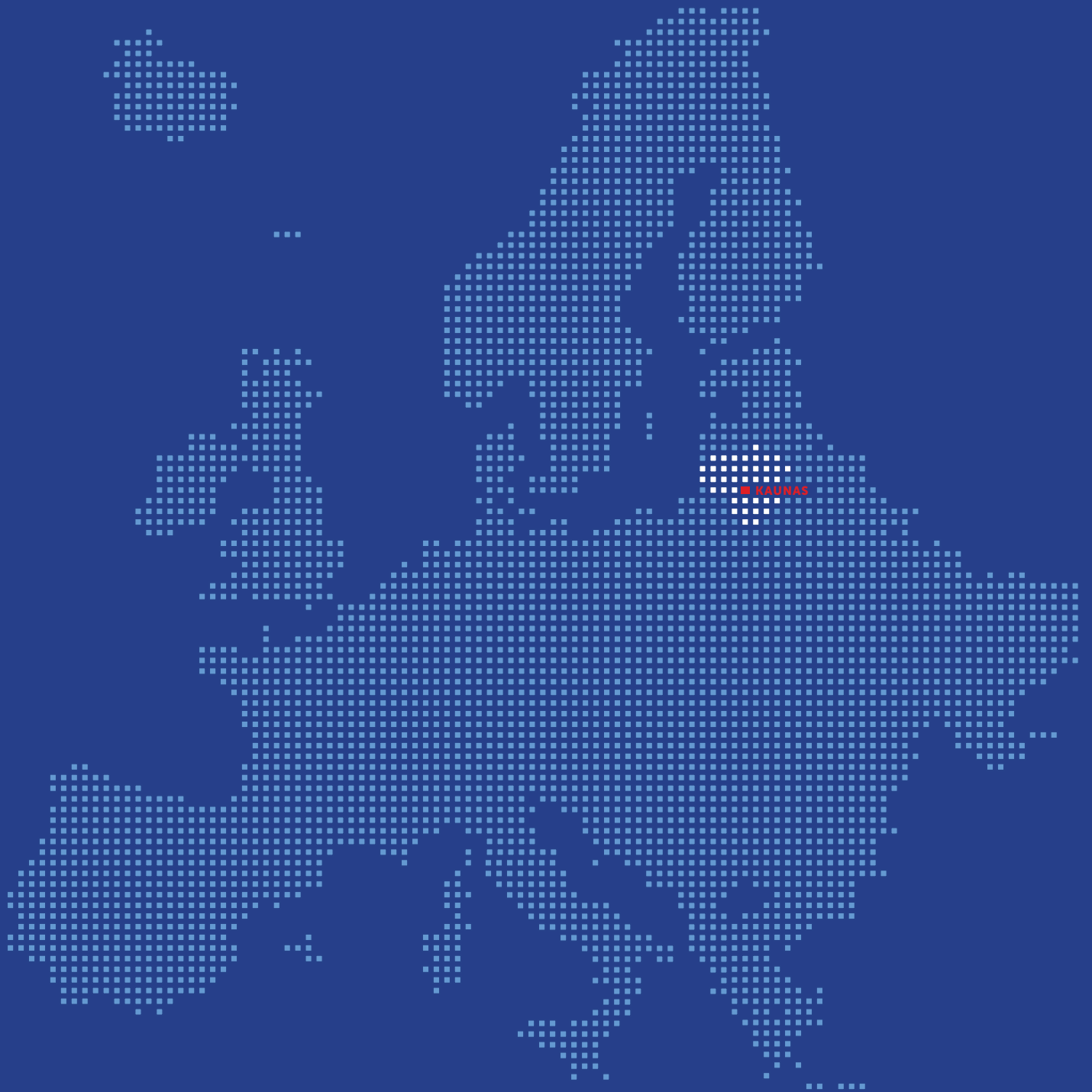
Standard Models

			
Model	3.5T6 MultiLite	3.5T10 MultiLite	3.5T / 5T12 MultiLite
External Body Dimensions (L x W x H)	3,110 x 2,020 x 1,682 mm	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)	2,854 x 1,764 x 1,390 mm	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	3,500 kg / 5,000 kg
Body Weight (without additional options)	~700 kg	~780 kg	~950 kg
Payload* (GVW 3,500 kg)	up to 1,000 kg	up to 1,000 kg	up to 930 kg
Internal Volume, freeze & chilled compartments	5.8 m ³	7.4 m ³	9.05 m ³
Internal Volume, dry compartment	0.48 m ³	0.45 m ³	0.45 m ³
Quantity of Side Doors (door opening: W 600 x H 1,000 mm)	6 (three on each side)	10 (five on each side)	12 (six on each side)
Refrigeration System	Eutectic		
Operating Temperatures	Deep freeze (–33 °C to –20 °C) Chilled (0 °C to +5 °C or +5 °C to +12 °C) Ambient		
Support of Operating Temperatures**	8–10 h		
Average Time of Pull-down	6–8 h		
Insulation	125 mm		
K Value	< 0.24 W/(m ² K)		

* 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.



Discover more lightweight solutions at www.carlsenbaltic.com

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