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F O O D
B I K E[®]
Mobile food vehicles



FOODBIKE X CARLA

MODULAR FOOD TRAILER

PRODUCT OFFER

MODULAR FOOD TRAILER

Foodbike x Carla

ONE BASE. MULTIPLE BUSINESSES. REAL FLEXIBILITY.

The Foodbike x Carla trailer is a modular mobile gastronomy system designed for a flexible and scalable business.

Based on the proven Carla Cargo or eCarla platform, it provides a solid foundation. With independent off-grid power and the ability to quickly replace working modules (boxes). Thanks to the three-layer construction – base, aluminium box, countertop equipment – you can change your offer within minutes without rebuilding the entire system. Sell ice cream in summer, coffee in winter, lemonade at events – using one setup. Lightweight (210–230 kg), durable, legal for urban traffic, and zero-emission – Foodbike x Carla is a mobile sales tool that adapts to your concept, season, and customer.

How does it work? One system. Multiple possibilities.

Foodbike x Carla is a modular gastronomy system in which you invest once in the base – a Carla or eCarla trailer with independent power supply – and then freely swap working boxes, adapting your offer to the season, location, and demand.

You can choose between two types of modules:

- **Ice cream box** – with an efficient 6+4 freezer, ideal for ice cream.
- **Universal box** – with full installations, ready to operate with various equipment: coffee machine, crepe maker, waffle maker, boiler, lemonade station – you choose what you serve today.

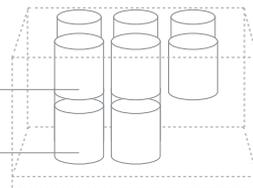
ICE CREAM TRAILER 6 FLAVOURS

+ 4 PLACES IN STORAGE



6 flavours on top

4 flavours in storage



You got extra places for containers in storage!

FOOD TRAILER

UNIVERSAL



SuperFlex construction

Thanks to the “Super Flex” construction, you change only the working module or countertop device, while the base and infrastructure remain unchanged. The roof structure and finishing elements (e.g. branded fabric) can also be transferred between boxes – maintaining a consistent visual appearance and reducing material costs.

RESULT:

- Lower entry cost
- Maximum equipment utilisation during the season
- Quick offer changes without downtime
- Consistent design regardless of the module
- Real scalability without risk

Foodbike x Carla – one system, many profitable applications.

Each working box in the **Foodbike x Carla** system is equipped with an integrated **sanitary unit** that meets basic hygiene requirements for mobile food service points. The system consists of three tanks, each with a capacity of **6.5 litres**: a fresh water tank, a **boiler with water heater**, and a grey water tank. This solution ensures independence, hygiene, and readiness to operate in all conditions – without the need for a permanent connection to the water supply network.

TECHNICAL SPECIFICATIONS - trailer Foodbike x Carla

DIMENSIONS

	HEIGHT	WIDTH	LENGTH	
Trailer dimensions	86 CM + 115 CM	95 CM	242 CM BOX	59 CM DRAWBAR

POWER SUPPLY

- **2×100Ah gel batteries / 2050Wh power station**
- **2400W inverter 230V / 50Hz**
- Ability to operate connected to **230V** mains power or on batteries

SANITARY INSTALLATION

- Double-compartment **sink**
- **Hot/cold water tap**
- 6.5L hot water tank
- 6.5L wastewater tank
- **Water pump**
- **Water heating module (6.5L)**

MATERIALS

- Acid-resistant stainless steel countertop
- Housing made of lightweight aluminium

What you get included in the price

- Powder coating of the structure and body in any RAL colour
- Complete sanitary unit with hot and cold water installation
- Awning (canopy) made of waterproof fabric
- Off-grid power system based on gel batteries

ICE CREAM VERSION

- Complete ice cream display freezer with lids
- Acid-resistant stainless steel clamps and lids
- Acid-resistant stainless steel baskets

UNIVERSAL VERSION

- Space for a standard 11 kg gas cylinder
- Included: regulator + hose
- Connection point for attaching devices such as a crepe maker, gas waffle maker, or heaters

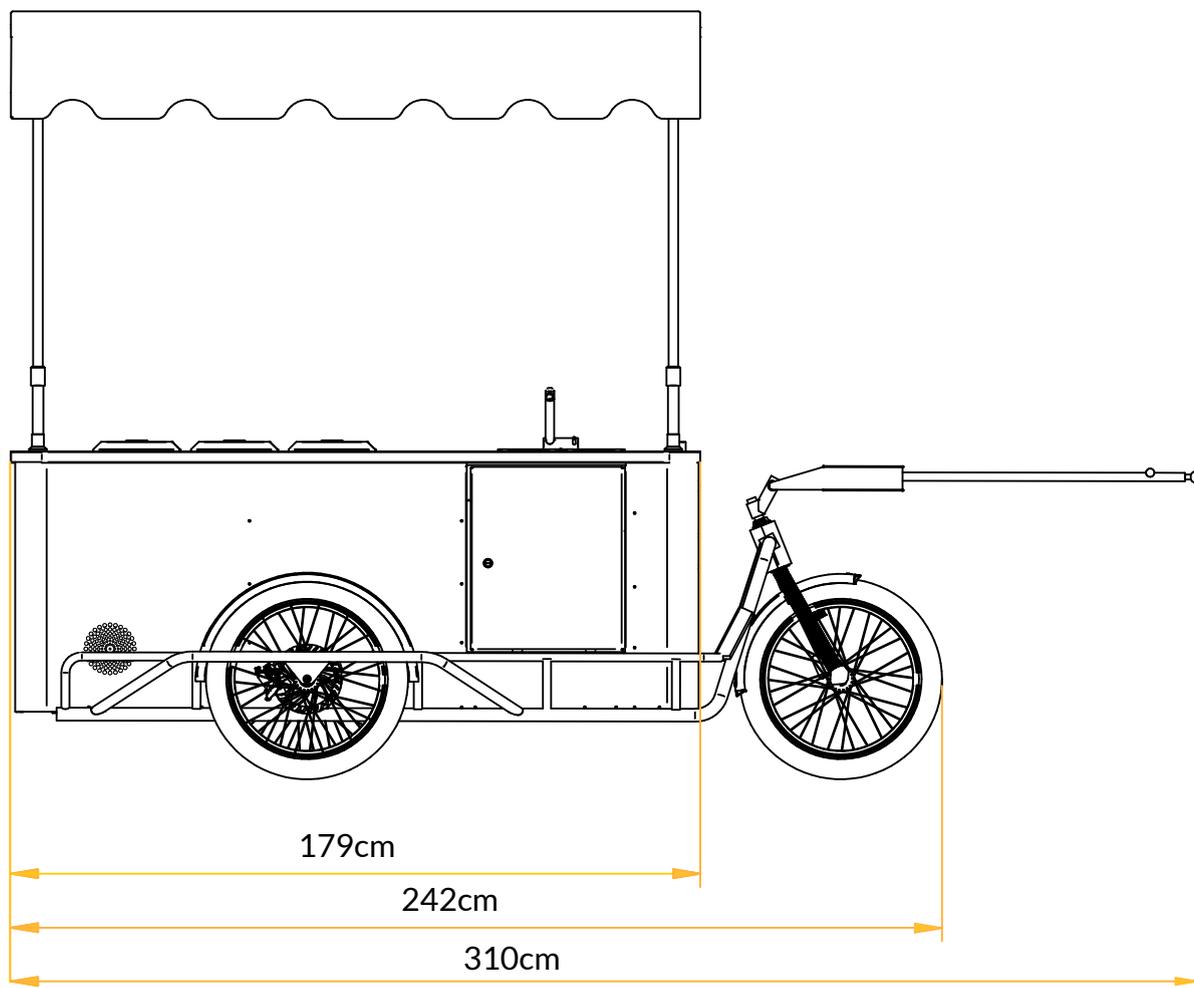
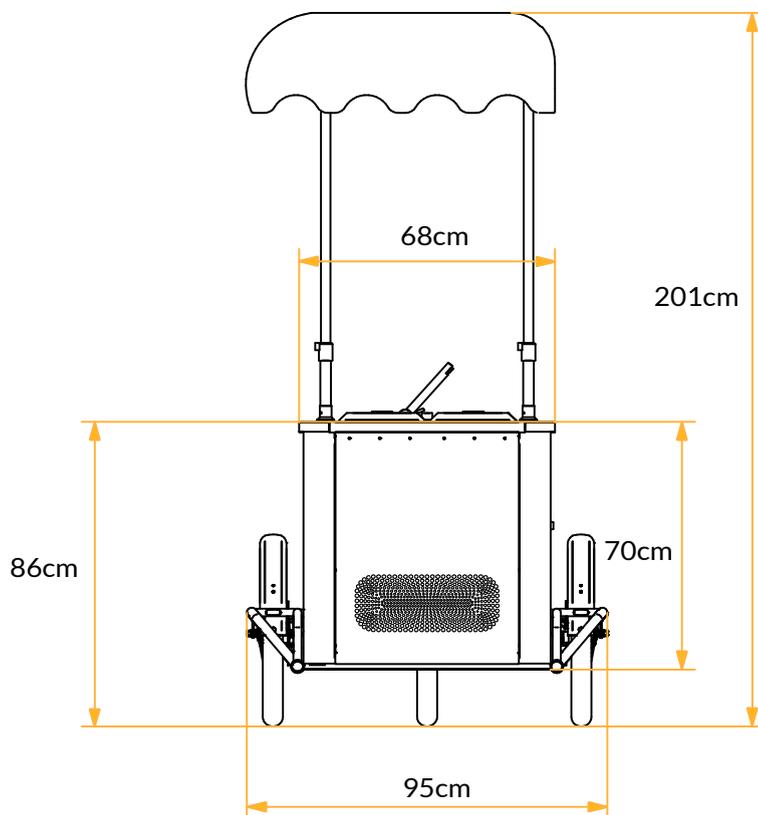
POWER SYSTEM COMPARISON

Feature	Gel batteries 2×100Ah + 2500W inverter	Power station 2400W / 2050Wh
Output power	up to 2500W	up to 2400W
Nominal capacity	approx. 2400 Wh	2050 Wh
Practical usable capacity	approx. 50-60% (to protect battery lifespan)	high, close to nominal
Total system weight	approx. 65-70 kg	approx. 20-23 kg
Battery lifespan (cycles)	approx. 300-400 cycles (at 50% DoD)	3000+ cycles (LiFePO ₄ , to 80%)
Mobility	lower, heavy fixed setup	very high, compact and portable
Operation & setup	separate inverter, cabling required	fully integrated, plug & play
Best use case	fixed installations, lower initial cost	mobile catering, frequent cycling

Gel battery systems are a proven and reliable solution for fixed setups. Power stations clearly outperform them in terms of weight, mobility, and long-term durability, making them the preferred choice for mobile coffee and ice cream operations where fast setup, frequent charging, and long service life matter most.

DIMENSION DIAGRAM

The dimension diagram of the Foodbike x Carla Cargo trailer is based on a rectangular platform with a fixed working width, optimised for stability and urban transport. The construction allows for even weight distribution over the axle.





Foodbike x Carla trailers feature fold-down canopies, which significantly facilitate transport and protect items placed on the countertop from rain. The canopies can be freely exchanged between trailers.

ADDITIONAL ACCESORIES

In addition to the basic equipment, Foodbike gives the opportunity to purchase additional accessories tailored to individual needs.



Money box
Mounted on the door



Plexi Cover
Clientside transparent cover



Led lights



Ice cream container
200x250mm:



Adjustable and removable roof
Additional sun protection module



TOW VEHICLE – FULL FLEXIBILITY

The food trailer can be towed by*:

- Another Foodbike bicycle,
- Cargo bike with a loading space,
- Standard city bicycle,
- Electric bicycle (subject to legal requirements).

*hitch may vary depending on the towing bicycle

Legal rule – electric drives (EU). According to EU regulations for electrically assisted bicycles (EPAC), only one electric drive may be active within a single setup. Only two configurations are allowed:

- ✓ Electric towing bicycle + trailer without drive, or eCarla trailer (with drive) + non-electric towing bicycle.
- ✗ A setup with two electric drives is not permitted for use as an electrically assisted bicycle.



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our portfolio on our website:
www.foodbike.pl

FOOD BIKE®

Mobile food vehicles

CONTACT

CONTACT US FOR MORE INFO

IN CASE OF ANY QUESTION,
WE WILL BE GLAD TO HELP YOU.



+48 517 274 427



office@foodbike.pl

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FOODBIKE CONFIGURATOR FOR BIKES AND CARTS

Scan the QR code with your phone
and go to the application.

The configurator allows you to preview
a visualization of the design and fully tailor
it to your needs. After creating your
configuration, you will receive
an instant product price estimate.

