

MOBI KITCHEN



TECHNICAL DATA SHEET



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TECHNICAL DATA SHEET

1. GENERAL DESCRIPTION

- **Product type:** Towable Caravan
 - **Class:** O2
 - **Intended use:** Commercial / Mobile Kitchen
 - **Manufacturer:** Tur Prefabrik Ltd. Şti.
 - **EU Vehicle Type Approval Number:** e242018/85800146
 - **Model:** Street / Chef / Food Box / T1
 - **Warranty period:** 2 years
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2. DIMENSIONS AND WEIGHT

- **Overall length:** 630 cm **Interior length:** 492 cm
 - **Overall width:** 212 cm **Interior width:** 202 cm
 - **Overall height:** 270 cm **Interior height:** 230 cm
 - **Maximum permissible weight:** 2,600 kg
 - **Unladen weight:** 900 kg
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3. CHASSIS AND STABILIZATION SYSTEM

- **Chassis material:** Lightweight steel sheet
- **Profile thickness:** 4 mm
- **Connection type:** Brackets and bolted joints
- **Corrosion protection:** Hot-dip galvanized
- **Stabilization:** 4 stabilizer legs (1 ton × 4)

For safe and stable operation prior to stationary use, all four stabilizer legs must be fully deployed. These legs prevent movement and vibration, ensuring a stable working environment.

4. AXLE AND RUNNING GEAR

- **Axle and coupling brands:** Knott / Jarup / CYR
- **Load capacity:** 2 × 1,300 kg (total 2,600 kg)
- **Braking system:** Mechanical overrun brake
- **Wheel type:** Steel rims (50 × 14)
- **Tire size:** 185/65/R14 (load-rated tires)

5. BODY STRUCTURE AND INSULATION

- **Wall structure:** XPS-filled GRP panel (with 4 mm marine plywood reinforcement)
- **Wall thickness:** 37 mm
- **Thermal insulation:** XPS board (30 mm)
- **Floor structure:** 40 mm GRP base with ribbed aluminum surface coating
- **Interior surfaces:** GRP suitable for food production and commercial use

Decorative fiber-reinforced molding elements are applied on edges and upper sections of the exterior to enhance both durability and aesthetics.

Volkswagen T1 models are manufactured using a hybrid production technique combining a semi-monocoque body structure with GRP panel systems.

GRP Panel (Glass Reinforced Polyester)

A composite material reinforced with glass fiber. The panel consists of three layers, with the core continuously filled with XPS foam. Connection and load-bearing areas are reinforced with marine plywood, forming a single-piece wall structure.

Due to its light weight, high strength, and resistance to water and moisture, GRP panels provide long service life and high insulation performance in caravan applications.

5.1 Doors, Windows, and Service Openings

Service window:

- **Opening size:** 300 × 90 / 120 cm
- **Type:** Top-hinged (awning type)
- **Mechanism:** Gas strut assisted
- **Locking:** Mechanical lock

Entrance door:

- **Door size:** 170 × 70 cm
- **Type:** Side entrance
- **Material:** Aluminum / GRP panel
- **Locking:** Multi-point locking system

All door and window openings are insulated with water- and dust-proof sealing systems.

Door, window, and service opening dimensions and quantities are determined based on project requirements and customer preferences.

6. ELECTRICAL INSTALLATION

- **System type:** External mains connection
- **Input voltages:**
 - 230V AC (single-phase)
 - 400V AC (three-phase)

Cable installation:

- 400V AC: $5 \times 6 \text{ mm}^2$
- 400V AC: $5 \times 4 \text{ mm}^2$
- 230V AC: $3 \times 2.5 \text{ mm}^2$
- 12V DC: $3 \times 1.5 \text{ mm}^2$

Distribution and protection:

- Electrical distribution panel: Available
- Residual current device (RCD): Available
- Circuit protection: Separate automatic circuit breakers for each device

Lighting and sockets:

- Interior lighting: LED (12V / 230V)
- Exterior lighting: LED wall-mounted fixtures
- Socket types: 230V / 400V
- Number of sockets: 8–14 (depending on configuration)

The electrical installation is designed using CE-compliant components, with all circuits protected in accordance with safety standards.

7. PLUMBING SYSTEM

- **Water connection:** External connection

Fresh water inlet and wastewater outlet connections are positioned on the lower side section of the caravan to ensure ease of use and maintenance.

8. INTERIOR EQUIPMENT AND KITCHEN SYSTEM

The interior is designed for commercial mobile kitchen use, prioritizing hygiene, durability, and equipment integration.

a) MDF Kitchen System

- **Worktop:** 10 mm compact laminate (water- and abrasion-resistant)
- **Cabinets and doors:** MDF
- **Intended use:** Light to medium-duty operations

b) Stainless Steel Kitchen System

- **Material:** AISI 304 stainless steel
- **Surface:** Hygienic and easy to clean
- **Intended use:** Heavy-duty commercial kitchens

Optional equipment:

- Industrial fryer
- Bain-marie
- Deep freezer
- Upright refrigerator
- Döner station
- Grill and cooking equipment
- Refrigerated display unit
- Sink and auxiliary equipment
- Tea boiler

Equipment layout is planned according to the intended use and operational concept. Upon customer request, alternative equipment may be used; interior equipment may also be supplied by the customer if desired.



9. PRODUCTION AND ROAD USE LIMITATIONS

- **Maximum speed:** 120 km/h
 - **Maximum permissible weight:** 2,600 / 3,500 kg
 - **Maximum dimensions:**
 - Maximum height: 4 m
 - Maximum width: 2.5 m
 - Maximum length: 10 m
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10. STANDARDS AND COMPLIANCE

- Compliant with the Road Traffic Regulation
 - Meets O2 class technical requirements
 - Electrical installation is CE compliant
 - Delivered with user manual and warranty certificate
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11. GENERAL NOTES

Interior equipment, appliances, and system configurations are determined on an order- and project-specific basis.

Final technical details are clarified according to customer requirements and applicable regulations.

All equipment is securely mounted in compliance with the load-bearing structure and electrical system.

This document is provided for informational purposes only.

