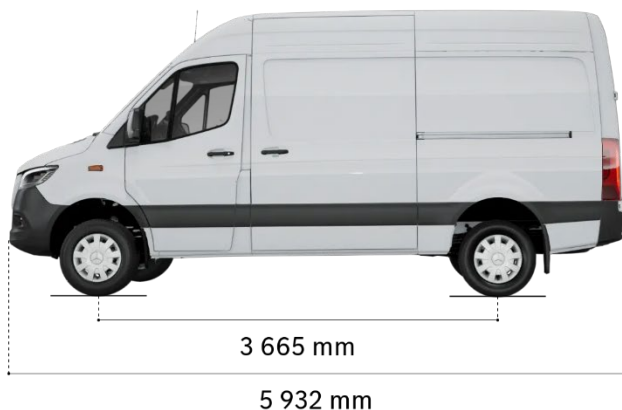


## SPECIFICATION

### Base Vehicle Specifications

- Brand: Mercedes-Benz
- Model: Sprinter 417 CDI 3665, 4x2, High Roof Panel
- Year: 2024
- Origin: Germany
- Fuel Type: Diesel
- Transmission: 9G-TRONIC PLUS Automatic
- Engine Power: 125 kW (170 HP), 4-cylinder inline
- Engine Displacement: 1950 cc
- Drivetrain: Rear-Wheel Drive
- Steering: Left-Hand Drive
- Wheelbase: 3665 mm
- Fuel Tank Capacity: 71 liters
- GVW (Gross Vehicle Weight): 4100 kg
- Dimensions:
  - Length: 5932 mm
  - Width: 2345 mm
  - Height: 2667 mm



## 2. Ambulance Cabin Conversion

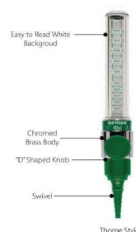
- Full acoustic and thermal insulation
- Partition wall with sliding window  
(between driver and patient area)
- Rear-facing technician seat at patient's head
- Foldable squad bench with backrest, seatbelts, and under-seat storage
- One-way extractor fan for odor elimination
- Ceiling-mounted ventilation fan
- Dedicated A/C system for patient cabin  
(independent evaporator + roof condenser)
- Digital Control Panel with CAN-BUS system
- Electrical Outlets:
  - 3 x 12V
  - 3 x 220V
- 2000W Inverter with auxiliary battery and special medical wiring
- Internal intercom system (driver <-> cabin) Privacy tinted windows (2/3 of window height, anti-opening system)
- Complete LED lighting inside patient cabin
- Medical cabinet in GRP (impact-resistant, flame-retardant, anti-corrosion)



### 3. Standard Integrated Medical Equipment

#### Oxygen System

- 3 x British Standard Outlets (Amico Canada)
- 3 x Humidifiers & Flowmeters (Amico Canada)
- 10L Oxygen Cylinders with safety valves
- Pressure gauges, exchange valves, and all required hoses
- Auto Eject Shoreline Input (220V + extension cord)



#### Suction System

- Internal electric suction system with gauge,
- regulator, and autoclave jar **MiniaSpeed**
- **Battery Evo Plus** – portable suction unit:
  - Flow rate: 30 l/min
  - Rechargeable battery, LED light, 12V charging base
  - Accessories included: 1000cc jar, charger, silicone tubing, wall bracket, hydrophobic filter

#### Other Installations

- Wall-mounted sphygmomanometer
- Adjustable chair stretcher (crash-tested EN 1789) Anti-sway IV hooks
- Safety hammer + seat belt cutter
- Rearview camera with monitor 2 x 2kg fire extinguishers
- Ceiling grab handles
- short grab bars, Sharp object container



#### 4. AV-PRO – Patient Monitoring System

12.1" color TFT screen with waveform display Built-in high-capacity

Li-ion rechargeable battery

- Multi-patient compatibility: adults, pediatric, neonates
- **Standard Parameters:**  
ECG (3/5-lead), NIBP, RESP, 2x Temp, SpO2, PR
- **Optional Parameters:**  
EtCO2, Touchscreen, Thermal Recorder, WLAN,
- Nellcor/Masimo SpO2, Dual NIBP
- **Data Memory:** 96h @ 30s intervals
- **Gas Monitoring:** High accuracy with water filter tube
- **Power Supply:** 100–240V, 35W **Battery Runtime:** approx. 3h – Recharge time: 4.5h
- **Temperature Range:** 0° to 50°C / Accuracy:  $\pm 0.1^{\circ}\text{C}$
- **Respiration:**
  - Adults: 1–120 rpm
  - Neonates/Pediatrics: 1–150 rpm
- **NIBP Range:**
  - Adult: 40–270 mmHg
  - Pediatric: 40–240 mmHg
  - Neonate: 40–135 mmHg



Max 8 waveform display



Trend



Built in Thermal



Standard



Big Font



Durable probes with high



## 5. AV-S200 – Portable Ventilator

- Assist-Control mode: both invasive & non-invasive ventilation
- Ideal for conscious or semi-conscious patients
- Lightweight, transport-ready, and low maintenance
- Intuitive panel usable by all levels of medical personnel
- Budget-friendly accessories & minimal upkeep
- Designed for high-pressure emergency scenarios or patient transfer



## 6. AV-Heart Care – Intelligent Defibrillation Unit

Full voice guidance during rescue

- Adjustable energy levels up to **360J**
- Suitable for high-threshold defibrillation cases:

myocardial infarction, obesity, high impedance

- **300Ω compatibility** for a wider range of patients
- Integrated with **Intelligent Management System**:
  - Real-time diagnostics via Wi-Fi/4G/5G
  - Automatic issue reporting and preventive maintenance
  - Reduces cost and downtime for fleet management

