



Making vehicles special

Compact and Spacious: The Mercedes-Benz Sprinter 3.5 T Box Body Ambulance.



The Mercedes-Benz Sprinter 3.5 T Box Body Ambulance: Pioneering in the Field of Patient Transport.



SHORT DESCRIPTION

Within the ambulance sector, there has been an increasing reliance on lightweight box body ambulances in recent years. The trend, moving away from the panel construction to the base vehicle with a box construction, is now increasingly prevalent within the area of patient transport.

When procuring a new patient transport ambulance, or even an entire ambulance fleet, the box body's comparatively cheaper purchase price for the basic vehicle is persuading buyers. In addition, once the base vehicle has reached its maximum permitted mileage, the box can be re-used on another vehicle chassis. An investment with room for improvement, given that, with advancements in medical technology, the requirements placed, for example, on stretcher systems are also becoming more demanding. The result of this is that technical and qualitative stipulations are increasing the weight and the dimensions of electro-hydraulic stretchers. Here, the lightweight box offers further benefits: it not only helps to cut down weight, so as not to exceed the generally stipulated maximum **total weight of 3.5 tonnes**, but also guarantees more space within the patient compartment.

A base vehicle with a box construction, with the slim dimensions of 1960 mm width and 2832 mm in length, results in a versatile ambulance, with plenty of room for both patient and crew.

All that remains to be addressed is the housing of the equipment: in the case of the box body ambulance, scoop stretchers or combi-carriers are kept behind an access door on the outside of the vehicle, and are thus stored without any problem, outside of the patient compartment. The geometry of the panel construction even allows hassle-free storage space for other equipment, for instance, for use as an emergency ambulance, as the box construction has no shaped chassis design to be taken into consideration.

EXTERIOR

Aerodynamic roof spoiler above driver's cab with optically extended wind screen

LED warning light bar to the front, integrated WAS rear LED warning system

Half signalling beam in the radiator grille and bumper for improved visibility at junctions

LED working lights to the sides and to the rear

Rear warning system

Electric step



INTERIOR

Fully usable storage compartments, as the vehicle has no rounded corners

Cabinet for emergency equipment, incl. backpacks or emergency kits

Storage cabinet for oxygen cylinders, rescue tool, vacuum mattress, carry chair and scoop stretcher/spine board/combi-carrier

Electro-hydraulic stretcher

Carry chair with crash-tested floor-fixing bracket

Holder for luggage and wheelchair

Automatic air-conditioning in the patient compartment

Air conditioning of the patient compartment also in vehicle depot, with 230 V power supply

Efficient use of space on account of the square shapes and freely configurable window for more space on the side walls



Scoop stretchers, combi-carriers and other equipment can be easily stored outside of the patient compartment.



The patient compartment impresses with generous space for both patient and crew.

DRIVER'S COMPARTMENT

Central console incl. switch for signalling system and lights

Reversing camera connected to the multimedia system

Hands-free module for radio and mobile communications

BOX BODY

Width 1960 mm, Height 1975 mm, Length 2832 mm

Proven design, adapted from emergency ambulance vehicles

Sliding door

External locker to the front left

The Mercedes-Benz Sprinter 3.5 T Box Body Ambulance: Significant Weight Reserves and More Space in the Interior.



SPECIAL FEATURES

Significantly increased weight reserves, plus more space than a panel van ambulance

Permitted total weight 3500 kg

Possibility of box body transfer once the base vehicle reaches its maximum permitted mileage

Plenty of space

Storage compartment for scoop stretcher/spine board/ combi-carrier, vacuum mattress and carry chair

Completely usable cabinets thanks to the straight construction

Compatible with all carrying and stretcher systems, incl. electro-hydraulic stretchers

Compact and manoeuvrable vehicle on account of the short wheelbase

Room for extended range of equipment for use as an emergency ambulance



BASE VEHICLE

Model	MB Sprinter
Vehicle type	314 CDI
Transmission	Automatic transmission, front-wheel drive
Wheelbase	3259 mm
Permitted total weight	3500 kg

The concept can be applied to other vehicle types. Equipment is specified by way of an example and can be adjusted in line with requirements.

