



Making vehicles special

# Emergency Ambulance: The WAS 500 Type B / A+E New Design



TYPE B | A+E NEW DESIGN

# The New WAS 500 Type B / A+E: Setting New Standards in Safety and Technology.



## SHORT DESCRIPTION

The WAS 500 design emergency ambulance combines optimum utilisation of space in the patient compartment with the very best standards in safety and technology. Thanks to the space-saving sliding side door, ambulance crews have direct access to emergency and first response equipment. The market leading, fully compliant and fully integrated front and rear LED warning system guarantees that you will always be seen. A five camera surveillance system additionally improves the safety of emergency services personnel by recording both internal and external images to a secure hard drive. Full LED lighting both in the patient compartment and externally provide optimum working conditions for staff while maximising energy efficiency. The ergonomic design with enclosed streamlined panels between the cab and box body ensures optimum aerodynamics, thus optimising the vehicle's fuel consumption. This ambulance is fully compliant with ECWVTA.

## BOX BODY

Model	Type B, A+E ambulance
Internal dimensions	Length: 3590 mm
	Width: 2080 mm
	Height: 1975 mm
Doors	<ul style="list-style-type: none"> <li>• Sliding door front left (width 1200 mm)</li> <li>• 60/40 split rear doors, can be locked at 90° to the left, 110° to the right and 270° on both sides</li> </ul>
Compartments	<ul style="list-style-type: none"> <li>• Rear left access door to storage compartment for scoop stretcher, spineboard and immobilisers</li> <li>• Front right underfloor hatch to accommodate auxiliary batteries</li> </ul>



The patient lift, which has a 500 kg load-bearing capacity, facilitates ergonomic loading and unloading of the stretcher and carry chair.



The entire interior is lined with antibacterial, antiseptic and disinfectant-resistant material.



Multi point panic strips to activate internal video surveillance system and to alert the driver.

### EXTERIOR

Tinted windows with integrated blinds and removable emergency exit function; class leading and ergonomically tested exterior glazing which is unique to WAS

5 LED floodlights

2 dual function alley and scene lights above the cab

8 LED body flashers in blue

Integrated front and rear LED optical warning system, type WAS New Design

Acoustic electrical warning system, fully tested and noise compliant 100 W, 1 loudspeaker in enclosed bumper housing LED vehicle taillamps, side marker lights and clearance lights

Red LED safety lighting to external equipment locker door LED entry lighting in all entrance areas

Configurable CCTV surveillance system with 5 cameras: external cameras on the left and right of saloon body, one forward and one rearward facing, one camera in patient saloon

### ENTRY SYSTEMS AND LOADING AIDS

Electrically retractable step combined with side sliding door, including emergency ‚stow‘ function

Fixed pontoon step for rear entrance

Patient lift, capacity: 500kg, length 1740mm x width 1040mm, includes full emergency manual override mode



The Mediboard on the side wall allows direct access to medical technology.

### INTERIOR

Saloon interior manufactured from lightweight rigid PVC, highly resistant to germs, bacteria and disinfectant and free from organic material

### PARTITION WALL

Emergency response locker, access from outside and inside

POM's and drugs storage in secure digital safe in locked cupboard

High level lockers across the full width of bulkhead

Central lower unit with 4 configurable draws for storage

Bulkhead sliding window

WAS Protego attendants seat, incl. three-point seatbelt, integrated and adjustable child seat with Isofix

Unique sliding consumables locker with heavy-duty drawers

Vacuum mattress storage under rear facing attendants seat

### LEFT SIDE WALL

Two fully tested forward facing attendant seats including integrated three-point seatbelt and armrests; these seats have built in head restraints and stow completely against side wall when carry chair in use; options available for reclining feature

Full height locker with two compartments – upper for lifting cushion and lower for carry chair storage

Stainless steel plates to lower lockers to protect from damage when loading and unloading

Emergency lift control unit with wander lead to be located inside the vehicle

### RIGHT SIDE WALL

Fully configurable reinforced Medi-wall for locating of medical equipment

Central operating systems available by either rearward or forward facing attendants seats

Oxygen locker for ZX, HX, F, CD, D and E size cylinders



# The New WAS 500 Type B/A+E: A Punchy Design That Reduces Fuel Consumption.

## RIGHT SIDE WALL

Configurable oxygen system, recessed outlets to reduce risk of injury, with manual changeover valve; accessible pipelines for service or repair and oxygen low pressure warning systems linked to audible warning device  
Storage lockers for equipment to meet JR Calc and CEN requirements

## DRIVER'S COMPARTMENT

Centre console housing radio equipment and A4 documents  
Secure helmet storage  
Central control panel located for optimum ergonomic use  
Ergonomic activation of the audible warning systems through central control panel, steering wheel and foot operated switch  
,Door open' warning systems  
Mirror monitor connected to reverse camera and video surveillance system

## CEILING

Roof hatch with emergency exit, roller blind and insect screen  
Recessed rubberised IV holders in saloon roof  
Roof vents  
10 dimmable LED lights in patient compartment, including trauma light  
LED patient light above stretcher with trauma function  
Multi point panic strips to activate internal video surveillance system and multiple alert systems

## FLOOR

Multiple options for mounting of stretcher  
Secure fixing points in floor for specialised medical equipment such as Aortic balloon pumps  
High visibility non slip flooring

## SPECIAL FEATURES

CAN-bus technology with voice alert  
1800 W inverter  
Multiple options available for vehicle telemetric systems  
Intercom between patient compartment and cab  
All interior lockers are made from antibacterial material to aid infection control  
Air conditioning or full climate control options  
Full communication system installs available  
Mis-fuelling systems available to prevent incorrect fuelling



Side sliding door provides maximum access to the patient compartment when space is limited and allows emergency removal of stretcher.

## BASE VEHICLE

Model	Mercedes-Benz Sprinter
Type	519 CDI 4x2
Engine power	140 kW / 190 hp
Gearbox	Automatic
Type of vehicle	Box body
Wheel base	3665 mm
Fuel	Diesel
Maximum total weight	5000 kg

The concept is transferable to other base vehicle types. The equipment is an example and can be customized.

