



Making vehicles special

Emergency Ambulance: The WAS 300 Type B/Light A+E



The WAS 300 Light A+E: A Full Front Line Vehicle.



SHORT DESCRIPTION

The WAS Design Emergency Ambulance combines optimum utilization of space in the patient compartment with the latest standards in safety and technology. The ambulance is equipped with a fully compliant and fully integrated front and rear LED warning system that guarantees high visibility. A five camera surveillance system improves the safety of emergency services personnel by recording both internal and external images to a secure hard drive system. Full LED lighting both in the patient compartment and externally provide optimum working conditions for staff while on scene. It is a full front line vehicle that can carry all equipment as listed in the Joint Royal Colleges Ambulance Liaison committee (JRCLACS) guidelines, in a compact vehicle to suit urban needs.



Medical attendants seats can easily be rotated and folded away.



Quick and easy access to medical equipment on configurable medical wall.



Medical attendants seats in driving position.



Safe and easy access to patient compartment and first response equipment.

EXTERIOR

- Tinted windows with integrated blinds and removable emergency exit function
- 4 LED floodlights with 'PLIP' return to vehicle function
- 2 dual function alley / scene lights above the cab
- Integrated front and rear LED optical warning system
- Acoustic warning system, fully tested and compliant with noise in the workplace regulations. 100W siren located in custom housing in front bumper
- LED chassis lighting with dual high level function
- Red LED safety lighting to all entrance areas
- Configurable CCTV surveillance system with 4/5 cameras, external cameras to left and right (optional) exterior, one forward facing, one rear facing and one located in ambulance saloon

INTERIOR

- Saloon interior manufactured from lightweight rigid PVC, highly resistant to germs, bacteria and cleaning chemicals used in deep cleaning. Designed to reduce the risk of infection and to aid cleaning

PARTITION WALL

- Emergency response locker, access from outside and inside
- Prescription only medicine and drugs storage in secure digital safe within a lockable compartment
- Configurable 4 drawer unit
- Bulkhead sliding window
- WAS Protego attendants seat including three-point safety harness, integrated and adjustable child harness and ISOFIX facility
- Unique full height slide out consumable locker with positive lock facility
- Vacuum mattress storage

LEFT SIDE WALL

- Two fully tested forward facing attendants seats with integrated three-point seatbelt and armrests. These seats have built in head restraints and stow completely against side wall for when carrying chair access required
- Secure storage for carrying chair and tracks (stowed separately from chair)
- Stainless steel plates to lower lockers to protect from damage when loading and unloading

RIGHT SIDE WALL

- Fully configurable reinforced medi wall for locating of medical equipment
- Central operating systems available by either the rearward or forward facing attendants seats
- Secure medical gas storage locker
- Configurable oxygen system, recessed outlets to reduce risk of injury, manual or automatic change over systems.
- Accessible pipelines for service or repair and oxygen low pressure warning device with voice alert
- Full storage lockers that comply with GEN 1789 and the Joint Royal Colleges Ambulance Liaison committee (JRCLACS) guidelines

DRIVER'S COMPARTMENT

- Configurable centre console
- Secure safety helmet storage
- Central control panel located for optimum ergonomic use
- Sirens options to be operated through central control panel, steering wheel or foot operated switch
- Voice alert systems to warn operator if system failures or risk to staff or public
- Mirror monitor connected to reverse camera and video surveillance systems

The WAS 300 Light A+E: Design That Reduces Fuel Consumption.

CEILING

- Roof hatch with emergency exit facility
- Recessed rubberized IV holders in saloon roof
- Roof inlet and extraction system
- 6 dimmable LED lights with trauma light function
- LED patient light above stretcher with trauma function
- Multi point panic strips to activate internal video surveillance systems

FLOOR

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

ENTRY SYSTEM AND LOADING AIDS

- Electrically retractable step combined with emergency stow function
- Fixed pontoon step for rear entrance
- Patient lift, expandable 'tele-width' 500 kg capable of loading bariatric stretchers. Manual override facility

SPECIAL FEATURES

- CAN bus technology with voice alert
- 1800W inverter with twin 230V sockets
- Multiple options for vehicle telemetric systems
- Configurable intercom between patient and driver's compartments
- All interior lockers are made from antibacterial material to aid infection control
- Air conditioning or full climate control options
- Mis-fuelling systems available to prevent incorrect fuelling

BASE VEHICLE

Model	Mercedes-Benz Sprinter
Type	519 CDI 4x2
Engine power	140kW/ 190HP
Gearbox	Automatic
Type of vehicle	VAN Medium wheel base high roof
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.



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

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