



Making vehicles special

Sustainable Rescue Services: The WAS 100-E First Response Vehicle.



**TESTED
AND
APPROVED**



Ideal Conditions for E-Mobility in the Rescue Services.



SHORT DESCRIPTION

The innovative WAS 100-E 100 % electric combines a proven vehicle concept with a sustainable drive system, based on a Mercedes-Benz eVito. The well-known advantages of the Vito combined with a powerful electric drive provide a further platform on which can be built alternative drive technologies in the rescue service.

The optimal use of space in the WAS cabinet system allows for easily accessible equipment storage. Furthermore, the focus during the conversion was placed on crew safety without compromising on the weight reserve for the payload to be lost.

Overall, this vehicle offers an above-average payload of 610 kg. With a considered weight of the crew of 3 x 75 kg, it benefits from a residual capacity of 385 kg. In addition to the weight reserve required by DIN EN 75079, this vehicle also meets the other requirements of the currently-applicable standard for emergency ambulances. Various cabinet modules are available for the individual design of the vehicle concept. The installed medical technology is supplied with power by plug connections integrated into the cabinet system.



INTERIOR

Modular cabinet system, accessible from the inside and the outside

Different installation methods for the medical devices

Various cabinet modules available

Sliding platform for the emergency medical equipment

All brackets are fixed on heavy-duty drawers to ensure an easy removal of the emergency equipment

Compressor fridge and thermo box

Technical compartment for control and communication systems, easily accessible for service and maintenance work

Central working desk with comfortable seat

12-/230-V power supply

Internal lighting with economic and efficient LED incl. blue trauma light

Energy-saving LED lighting (1100 lm) for the modular cabinet system

EXTERIOR

Front: LED warning lightbar DBS 5000 with power flash and flashing lights

Rear: LED warning lightbar DBS 5000 with integrated surround lighting, flashing lights and rear warning system

Front flashers Sputnik SL

Intersection flashers Sputnik mini

Signalling system HNS type 624

Blue warning light and rear warning system integrated in the tailgate

DRIVER'S COMPARTMENT

Spacious centre console to hold control units and folders

LED reading light

Pre-fitting for Sepura digital radio system

SPECIAL FEATURES

CAN bus control electronics

Additional battery for the supply of medical equipment

Accident data recorder

Electric fan heater, thermostatically controlled

Alternative equipment and configurations available



WAS 100-E NEF: Key Performance Features.

BASE VEHICLE

Model	Mercedes-Benz eVito Tourer Pro / Long
Peak power	150 kW / 204 hp
Nominal power	70 kW / 95 hp
Torque	365 Nm
Battery capacity	100 kWh (usable 90 kWh)
Range WLTP	370 km
Charging power AC	11 kW
Charging time AC (0 – 100 %)	< 10 hours
Charging power DC	110 kW
Loading time DC (10 – 80 %)	40 minutes
Max. speed	160 km/h
Driving programs	3
Recuperation levels	5
Permitted Total weight	3,500 kg
Empty weight with extension	2,890 kg
Total payload	610 kg
Payload with 3 persons each 75 kg	385 kg
Wheelbase	3,200 mm



Promoting Sustainability.

E-mobility is promoted by the Department for Transport as a key technology for a future-proof and sustainable transport system. Electromobility projects within the emergency services also benefit from this when it comes to the procurement of electric vehicles and the development of

charging. There are also many local funding pools. This type of funding makes your new electric vehicle fleet even more affordable.

