

OFF – ROAD AMBULANCE



zero
health

Authorised STRAŽAN supplier Southeast Africa

www.zero7health.co.za
Info@zero7health.co.za
+27 12 770 6866



OFF - ROAD AMBULANCE

An ambulance vehicle also suitable for heavy terrain is designed for transport of ill and injured persons in civil and military sector, mainly by occurrence of natural disasters and disasters in various economical sectors with possibility to provide a patient treatment and monitoring.

Structure of special cabinet superstructure is designed in such way to provide a required thermal and sound insulation and equipped with air conditioning, independent heating and filtroventilation that allows also survival of a crew in an contaminated area. Sole superstructure, as well as the system of brackets and equipment fixture in the ambulance space are constructed in such way that these can resist to the impact of overstressing 10 g. This concept in a large measure fulfils requirements of European standard for production of medical vehicles STN EN 1789+A1, as well as specific requirements of standards STANAG 4062, 4050, 4074, 2040 and others. This medical vehicle successfully passed military tests performed by General staff of the Armed Forces of the Slovak Republic.

Occupancy of ambulance according to configuration of places for seating and lying:

- A – 1 medical officer, 1 patient lying down on acute bed, 2 patients lying down on the litter
- B – 1 medical officer, 1 patient lying down on acute bed, 3 patients seated on foldable bench
- C – 1 medical officer, 1 patient lying down on acute bed, 2 patients lying down on the litter
+ 1 patient on the litter provisionally placed on the floor.

Vehicle superstructure is of Slovak production from design, through structure development to the production and is protected with entry into international design register under the number No 001270151 - 0001.

Superstructure is made of wall panels whereof wall structure is welded from thin-walled profiles, reinforced with inside and outside sheet metal with thermal insulation. Floor is covered with PVC flooring with antiskid finish for medical areas.

Superstructure is equipped with special luminous and sound device. In the forepart you can find a beacon platform and auxiliary lights in the grille. Rear is equipped with beacon alley with working lights and parking camera.

Chassis with cab

Brand:	Mercedes – Benz
Type:	G 280 CDI, 4x4
Category:	N2G
Cylinder capacity:	2 987 cm ³
Max. engine output:	135 kW at 3 800 rpm
Max. torque:	400 Nm at 1 600 – 2 600 rpm
Max. speed:	120 km/h
Wheel base:	3 428 mm
Clearance:	213 mm
Number of seats:	2
Angle of approach front/rear:	48°/29°
Ramp angle:	14°
Fuel tank:	96 l, diesel
Differential lock:	
Inter-axle differential:	

Superstructure

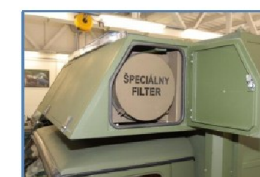
Type:	Solid cabinet superstructure
Mark:	STRAŽAN
Type of superstructure:	SD2

Overall dimensions

Length:	5 665 mm
Width:	2 110 mm
Height:	2 715 mm
Total weight:	ca. 4600 kg



OFF - ROAD AMBULANCE



Advantages

- High transportability also in a heavy terrain
- Resistance in complicated climate conditions
- Filtroventilation
- Possibility of sling load transport with helicopter
- Possibility of inner variability of superstructure devices
- Roof manhole and side window of superstructure can be used as emergency exits in a case of need
- Possibility to attach the superstructure on another chassis

Equipment

- Air conditioning and warm - water heating ENERGO-S with power output 5 kW for using of ambulance by temperature range -32° up to +49°C.
- Ventilation and filtration modus MIKROKLIMA-S provides an internal air circulation with thermal processing and generates an overpressure. Maximum volume of delivered air with filters is 150-220 m³/h/300 Pa. Use of special filters guarantees a protection of vehicle crew against impact of chemical, biological and radioactive warfare agents. Vehicle has an ability to cross a contaminated area without necessity of filter change ca. 2 hours. Filtroventilation device is mounted in the front, extended superstructure part over the driver and co-driver cab.
- Auxiliary gel battery provides an independent power supply of lightning and medical devices in the superstructure.
- On external side of superstructure is located a plug for connecting of a superstructure battery charging connector from a 230 V external power supply.
- Communication device Intercom provides a communication between the driver and the crew in superstructure.
- Medical equipment – according to customer's requirement. Internal configuration allows equipping of superstructure with following devices: defibrillator, mobile device for artificial lung ventilation, two 10 l oxygen bottles, mobile suction flask and syringe dosing device of medicaments, NATO litter, thermal box, vacuum splints, medical bags, universal evacuation chair and additional medical material.
- In the upper parts of superstructure can be found cabinets for medical material, lockable cabinet for opiates, fixtures for infusion bottles or bags, fixing rods, as well as lightning.