



Armored Medical Evacuation Vehicle

Armored medical evacuation vehicle primary role is to insure transportation of wounded soldiers from the front line of military operations and providing first medical aid during transportation.

Medical evacuation vehicle on universal 4x4 chassis is fully designed, assembled and tested by State Military Scientific-Technical Center Delta.

Medevac is equipped with 356 hp V8 type twin turbo-diesel engine. It enables the vehicle to develop 120 km/h speed on asphalt road.

World class protection:

The construction of the armored medical evacuation vehicle is assembled with armored steel plates – in double layer construction and provides all-around protection according to EN1063 B7+ Standard for the crew located in front, rear medical compartment and engine compartment. The base of the vehicle is manufactured from the layer of armored steel – while the protection level is further enhanced by an add on armor panels – which can be easily removed or replaced – for replacement of damaged panes, upgrade/downgrade of vehicle protection level Etc.

Armor plates provide protection from 7,62 caliber armor-piercing bullets shoot from near distance and artillery shell fragments..



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Reliability:

Based on Ford F550 super heavy duty truck, all the mechanical components of DIDGORI are time proven and easy accessible worldwide.

To further enhance reliability of AMEV all vital mechanical components have been further reinforced to military standards, some of the components have been fully replaced with high end military substitutes in order to insure perfect weight distribution and long service life of the vehicle.

Using of high end components increases intervals between routine maintenance. All the vital components of the vehicle are highly protected from any type of external threats and despite this are easily accessible for service personnel.

Electrical:

All standard electrical equipment of this vehicle is tested and modified as necessary to protect against the armoring process.

Additional electrical accessories (such as real lighting if required by client) is installed by qualified personnel and will use automotive grade or aviation grade electrical wiring in protective looms to ensure durability and ease of maintenance.



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Cab Push Button Panel on cab console with back lighting for illumination that can control:

- Modular Disconnect
- Emergency Master
- Flashing lights
- Patient compartment lights
- Heat/Cool unit rear Off/Low/Med/High
- Street side Scene Lights
- Curbside Scene lights

There are four stretchers and special medical equipment in the rear part of the vehicle.

High maneuverability: powerful V8 twin turbo engine which gives high power to weight ration to medical evacuation vehicle has a maximum 120 km/h speed in any terrain and climate conditions.

High level protection: the body structure is designed specifically to have optimal angles of placing of armored plates to ensure maximum effectiveness against kinetic and mine blast threats.

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SPECIFICATIONS

Approved gross vehicle weight (GVW): 10900 kg

Curb weight: 10000 kg

Front axle max. Limit: 5049 kg

Rear axle max. Limit: 6710 kg

Weight distribution on front axle: 3850 kg

Weight distribution on rear axle: 5950 kg

Engine power: 356 HP

Suspension: 4X4

Max. speed on flat road surface: 120 km/h

Cruising range on road at 90 km/h: 500 km

Turning radius: 7 M

Crew: 3 men

wounded soldiers: 4 men

Vehicle length: 6500 mm

Wheel base: 3576 mm

Front overhang: 1300 mm

Rear overhang: 1624 mm

Approach angle: 32 °

Departure angle: 33 °

1st axle ground clearance: 317 mm

2nd axle ground clearance: 322 mm

Ground clearance ISO 612: 490 mm

Overall width: 2610 mm

1st axle track width: 2120 mm

2nd axle track width: 2130 mm

Gap crossing: 600 mm: Ford: 800 mm

Straight-edged step: 400 mm

Gradient: 60 %

Side slope: 30 %

Engine type: 6,7L V8 Turbo diesel

Power rating: 300hp@2800rpm