

AROTECH

MIDT
ARMOR



TIGER

LIGHT PROTECTED VEHICLE

THE TIGER

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BASED ON A COMMERCIAL off-the-shelf Dodge RAM 5500 platform, the MDT Tiger is a cost effective, highly armored, Light Protected, All Terrain Vehicle for a crew of 6-9. It is mine and blast protected, with various add-on armor options, including reactive armor.

Its 5 doors and a roof hatch offer easy loading and unloading of warriors and equipment. The wide and spacious cabin, with its large payload capacity can be tailored to many missions.

A powerful Cummins 350 HP diesel engine, large wheels, and a 127" wheel base offer exceptional all terrain capabilities. The advanced suspension system ensures a comfortable ride for the crew.

The 8.8 ton GVWR allows – with a standard armor package – for a 1.5 ton payload, or 6 passengers plus 900 kg

equipment. The add-on armor panels can be removed, repaired, replaced or upgraded. An optional upgrade to a 10.4 ton GVW allows for an upgraded armor suite, includ-



ing reactive armor defeating RPG rockets and EFP charges.

The MDT Tiger LPV was designed to be cost effective. The COTS Dodge platform ensures widespread support and cost effective maintenance. The unique encapsulated cabin allows easy access to all components. The capsule can easily be removed and re-mounted, allowing its installation on a new platform, increasing

its life and ensuring low life cycle cost.

The spacious cabin, with a flat floor throughout and vertical walls, allows for various seating and equipment mission-de-

pendent arrangements. The front row has three-in-a-row seats for driver, navigator and commander. In the rear, 3, 4 or 5 passengers can ride facing forward. The rear cabin can also accommodate 6 passengers in two side-facing

rows. A 2 or 4 liter MedVac option is also available.

Windows on all 4 sides allow for improved situation awareness. Optional gun-ports on all 4 directions allow for accurate small arms operation. A roof mounted remote controlled weapon station, or man-operated turret are optional. GPS navigation systems, Satcom, NBC, and fire suppression systems are also available

A Mine-Protected, All Terrain Combat Vehicle

TIGER LIGHT (8.8 TON GVW)

- Basic floor protection, high level side protection
- For police, SWAT, border patrol, etc.

TIGER MEDIUM (8.8 TON GVW)

- High level floor and side protection
- For military and para-military

TIGER HEAVY (10.5 TON GVW)

- Passive or reactive add-on armor suite
- Weapons systems, missile launchers, etc

FAMILY OF VEHICLES

- Patrol - 4-6 seats
- Convoy protection
- Troop carrier - 8-10 seats
- Medical evacuation
- Mobile command & control
- UAV control and launch
- Reconnaissance sensors
- NBC / Engineering
- Logistics

LIGHTWEIGHT VEHICLE

- 8.8 ton standard OEM GVW
- 1.5 ton payload
- Upgradable to 10.4 ton GVW,
- 3.0 ton payload
- Air transportable

COST EFFECTIVE

- COTS Dodge RAM Platform
- Standard maintenance
- Low life cycle cost

EFFECTIVE ARMOR

- Mine and blast protection
- Add-on armor options
- Reactive armor suite option
- Replaceable, repairable, and upgradable armor panels
- Suspended, attenuating seats

ALL TERRAIN CAPABILITIES

- Powerful Cummins 350 HP engine
- 127" wheelbase
- Advanced suspension



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Preliminary Specifications

Chassis	Dodge RAM 5500HD 4x4
Engine	Turbo diesel, 350 HP, 610 lb-ft
Length	5600 mm (220.5")
Width	2420 mm (95.3")
Height	2390 mm (94.1")
Wheelbase	3226 mm (127")
Wheels/tires	Continental MPT 80 12.5X20"
Turning Radius	7 meters (23')
GVW	8,845 kg (19,500 lb)
Payload	1,540 kg (3,400 lb)
GVW upgrade	10,400 kg (23,000 lb)
Payload upgrade	3,080 kg (6,790 lb)
Range	610 km (380 miles) Auxiliary tank optional
Seats	6-10
Multiple openings	4 side doors, 1 rear door, 1 roof hatch
Electrical System	12V – 200 amp; 24V – 130 amp (24V – 400 amp – optional)
Air conditioning	Front and rear systems
Vertical step	430 mm (17")
Side slope	33°
Approach angle	42°
Departure angle	42°
Ground clearance (under rear axle)	300 (11.8")
Ground clearance (between axles)	400 mm (15.7")



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