



DIDGORI

FAMILY OF WHEELED ARMoured VEHICLES



ANY MISSION, ANYTIME, ANYWHERE

Family of 4x4 armored vehicles DIDGORI Well protected, Highly maneuverable and Versatile, it is ready for today's rapidly changing battlefield environment

Designed, constructed and assembled according to modern standards with superior protection for crew members in mind.

Whatever are the highest demands for modern military vehicles – DIDGORI delivers.

Thanks to modular design, high mobility and excellent cross country performance DIDGORI is ready for Any-mission, Anytime, Anywhere.



High mobility and Excellent survivability

Any-mission, Anywhere – thanks to its powerful V8 Twin turbo charged 356PS engine which gives high power to weight ratio DIDGORI has a maximum 120 km/h speed on paved road and can navigate in any terrain or climate condition.

Time proven suspension, run flat tires, the central inflation system, reliable transmission and lockable transfer box, this are just few of the key features that give DIDGORI high mobility and excellent cross country performance.

The body structure is designed specifically to have optimal angels of placing of armored plates, to ensure maximum effectiveness against kinetic and mine blast threats.





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 DIDGORI 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.



Crew

Depending to the modification DIDGORI carries from 7-9 crew members. All the details in an interior of DIDGORI are focused to provide crew with the maximum comfort and protection possible



OPTIONS

- Thermal camera
- Display for troops
- Brakes Pneumatic ass by a hydraulic system
- Rubber gasket for vehicle door
- Dual alternator
- Penalty Front and Rear adapted axles

EXCELLENT CROSS COUNTRY PERFORMANCE

Logistic Support

We're always ready to contribute to our clients success as much as we can, therefore our dedicated team of professionals is always ready to conduct pre sale/after sale trainings for clients personnel and provide worldwide, high quality and efficient service for all the vehicles produced by STC DELTA

Our experienced R&D team is ready in tight time frames further develop different modifications of DIDGORI – with enchased or downgraded protection levels for cost effective, weight saving or higher mobility purposes.

Easy And Fast Access On And Off

All the interior and exterior of DIDGORI is specially designed to provide easy access on/off from the vehicle. Easy opening side and rear doors are designed for troops convenience.

Air-transportability

Due to the light materials used, despite the high level of the protection DIDGORI provides, it can be transported by C-130 or bigger types of the transport aircrafts.

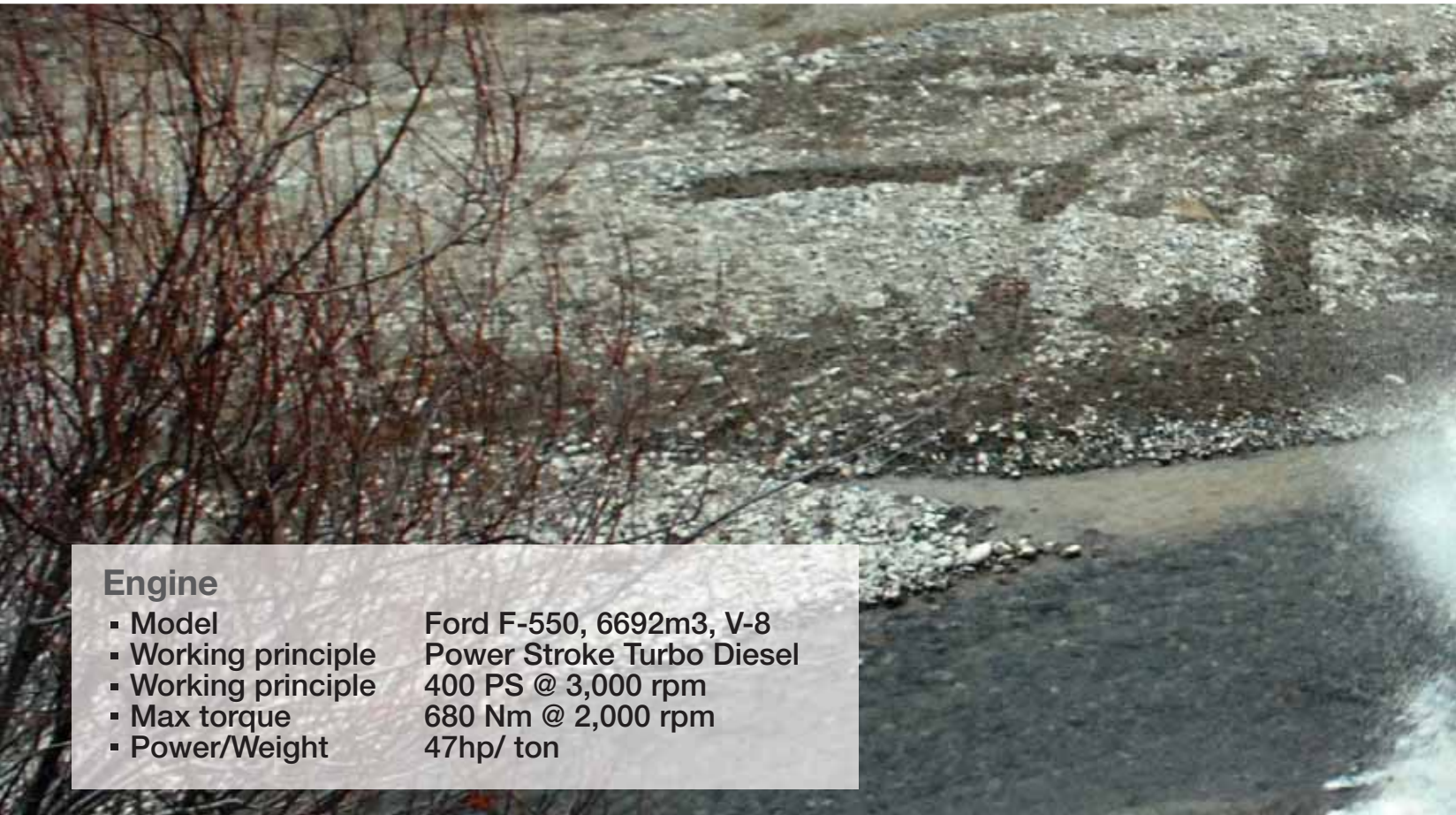




Armament

Modular design and high stability make DIDGORI an ideal platform for large variety of weapons. Current versions are armed with, open turret 12,7mm machine gun, open turret 7,62mm 6 barreled Minigun or Remotely controlled weapon station with twinned 12.7mm + 7.62mm machine guns. Armament can be further fully custom tailored including variant with 40 mm automatic grenade launcher, ATGM or SAM platform and Etc





Engine

- Model Ford F-550, 6692m3, V-8
- Working principle Power Stroke Turbo Diesel
- Working principle 400 PS @ 3,000 rpm
- Max torque 680 Nm @ 2,000 rpm
- Power/Weight 47hp/ ton

WORLD CLASS PROTECTION

Everything from used materials to structure of the vehicle has been specially designed to provide Crew of DIDGORI with world class protection.

Against Kinetic Threats

Patented armoring materials, the monocoque type body structure and optimized angles of armored plates are enabling DIDGORI to withstand direct hit of 7.62x51 AP rounds which correspond to NATO Stanag 4569 LEVEL 3 protection.

Powerplant

DIDGORI is fitted with twin turbo charged V8 developing 356PS and 680nm of torque manufactured by worlds famous corporation FORD.

Twinned with reliable transmission it provides DIDGORI with high mobility and excellent reliability.

The engine and vital components are fully protected against threats without sacrificing cooling efficiency and reliability of the vehicle.

Against Mine Blast Threats

One of the main goals while developing DIDGORI was to keep the crew safe from various explosive threats. Using special materials, sandwich construction of the hull, Optional usage of DENIMA Material and specially designed seats to absorb the effect of mines allow DIDGORI to achieve NATO Stanag 4569 LEVEL 2A protection against mine blast threats.

Tires

DIDGORI – is equipped with run flat tire system in standard complectation allowing the vehicle to cover 50km distance with damaged wheel at 50km/h speed.

Optionally the vehicle can be fitted with Central Tire Inflation System, providing the vehicle with further enchased survivability.



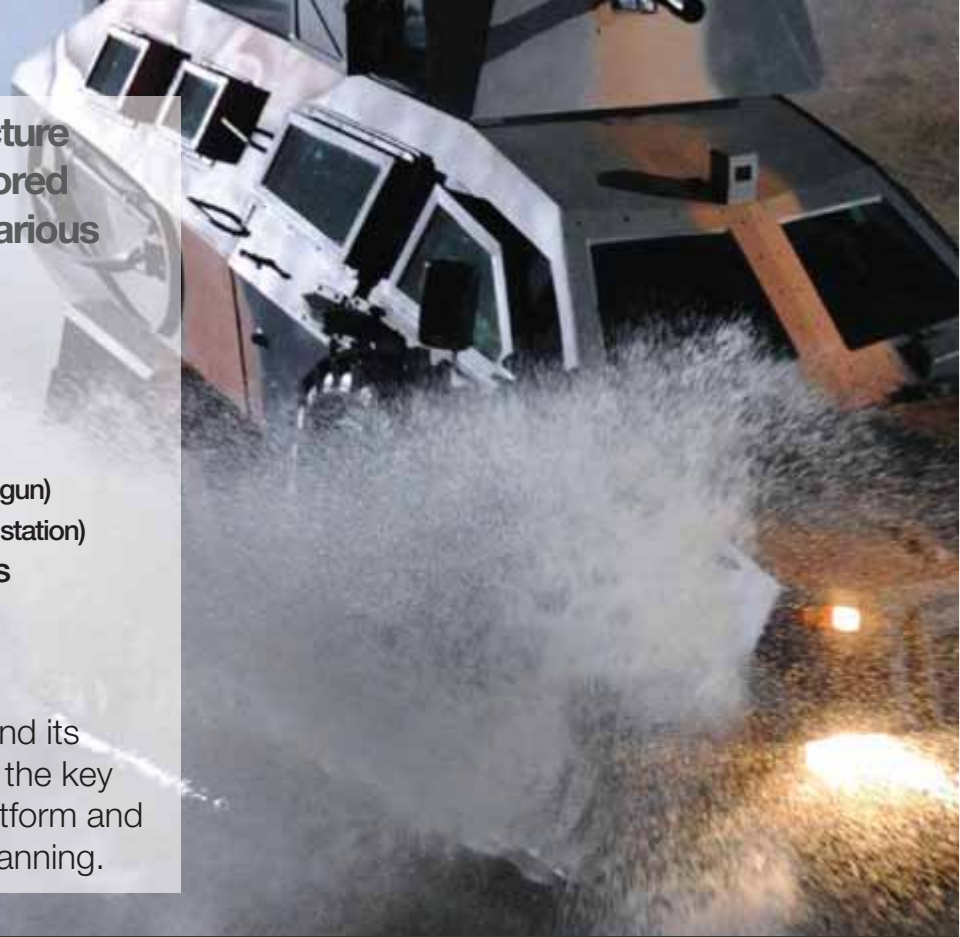
MODIFICATIONS



Due to having modular body structure DIDGORI can be fully custom tailored per customers requirements for various missions:

- Armored Personal Carrier
- Armored Reconnaissance Vehicle
- Med Evacuation Vehicle
- Command and Control Unit
- Fire support vehicle (open turret machine gun)
- Patrol vehicle (remotely controlled weapon station)
- Platform for Anti Tank Guided Missiles
- Platform for Surface to Air Missiles

Ability to adapt to any mission needed, Full custom teilorization of the vehicle and its armament per client's request, This are the key points that make DIDGORI versatile platform and enable cost effective logistic support planning.



ONE PLATFORM - VARIOUS MISSIONS

BASE VEHICLE



DIDGORI FAMILY



Open Turret with 12.7x108 mm NSV machinegun



Open Turret with 7.62x54 mm M-134 minigun



Remote Controlled Weapon Station with 12.7x108 mm NSV machinegun



Fire support vehicle (14.5x114 mm KPVT)



Armored Medical Evacuation Vehicle



Armored Command and control unit



Self propelled anty-tank complex

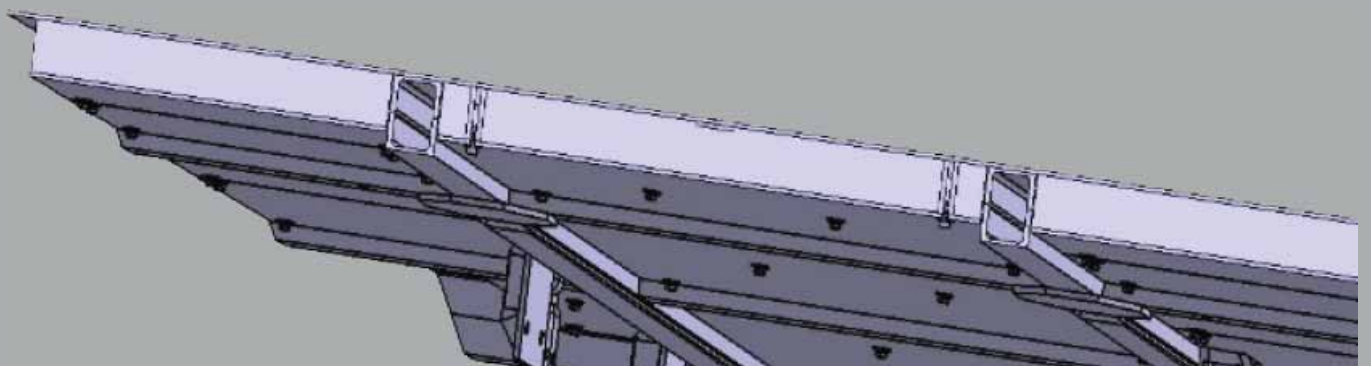
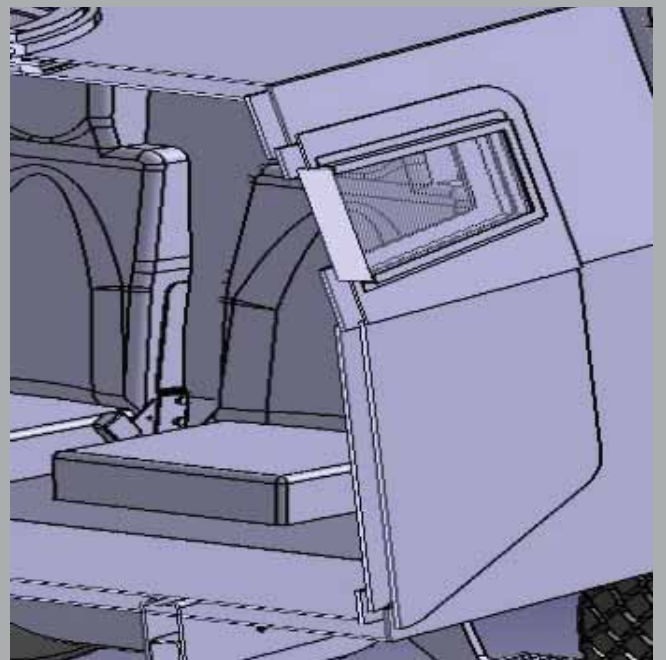
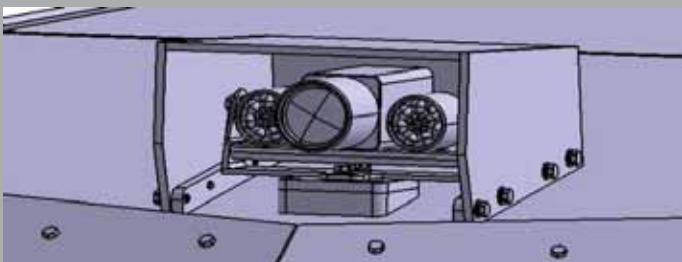


Short range mobile air defense unit



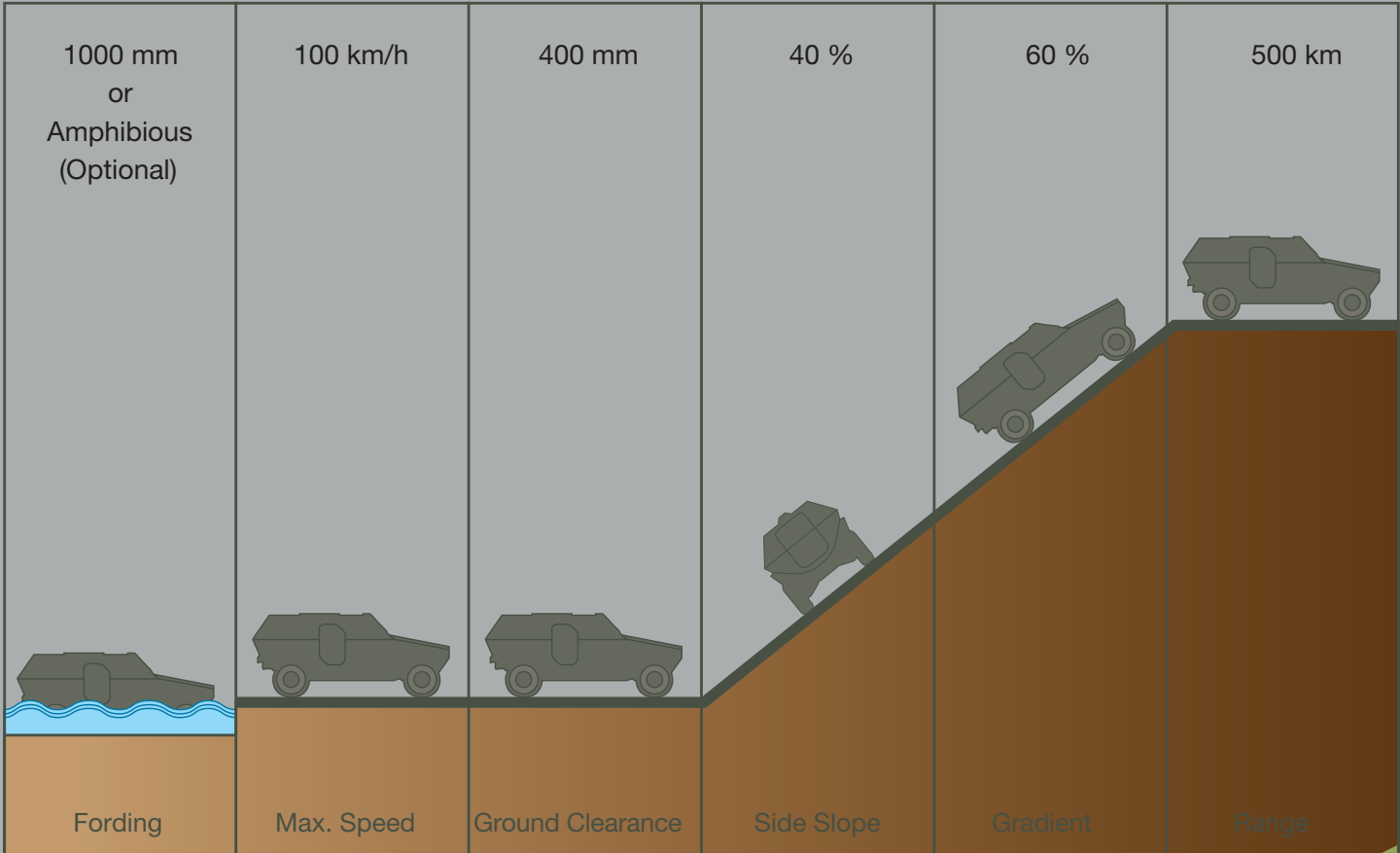
STC DELTA – R&D

Taking its roots from Aircraft manufacturing STC Delta has a strong engineering/ design office which not only ensures support of production of items, but it provides new designs and introduces them in the production using modern technology solutions.





DIDGORI Tactical Specifications



Personnel	DIDGORI 1	DIDGORI 2
Crew	3	3
Troops	6	4
Protection level		
EN1063-BR7	7.62x51mm AP rounds	7.62x51mm AP rounds
Technical mobility		
Acceleration 0-100 kph	22sec	22sec
Max Speed	140km/h	140km/h
Cruising range @60 kph	500km	500km
Gradient	60%	60%
Side slope	40%	40%
Gap crossing	0.6m	0.6m
Fording	0.8m	0.8m
Engine		
Model	Ford F-550, 6692m3, V-8	Ford F-550, 6692m3, V-8
Working principle	Power Stroke Turbo Diesel	Power Stroke Turbo Diesel
Working principle	400 PS @ 3,000 rpm	400 PS @ 3,000 rpm
Max torque	680 Nm @ 2,000 rpm	680 Nm @ 2,000 rpm
Power/Weight	47-40hp/ ton	47hp/ ton
Transmission		
Make & Model	Ford	Ford
Type	Automatic	Automatic
Gears – forward/reverse	6/1	6/1
Transfer case		
Make & Model	Ford	Ford
Type	Low, high, 4X2, 4X4	Low, high, 4X2, 4X4
Electric system		
Voltage	24V DC	24V DC
Alternator	200 amp	200 amp
Battery	78 amp/hr	78 amp/hr
Steering		
Type	Power Assisted Hydraulic	Power Assisted Hydraulic
Single/selectable steering	Single	Single
Wheels & Tires		
Wheels	12.5R20 MPT-80	12.5R20 MPT-80
Ballistic resistant wheel flange	Radial, Tubeless, equipped with Run Flat System provides run flat capability for 50km at 50km/h (Hutchinson)	Radial, Tubeless, equipped with Run Flat System provides run flat capability for 50km at 50km/h (Hutchinson)
Tire type		
Operating environment		
Temperature range	-32° to +55°	-32° to +55°
Visibility		
Side windows – front / Crew	2/4	2/3

*Technical features contain nominal data. These technical specifications may vary according to the vehicle specification and equipment. STC Delta reserves the right to modify the specifications and equipment of vehicles beforehand. The details of the specifications and equipment may change according to the local needs and conditions

EQUIPMENT

- Gun ports
- Radio mount
according to the Customer's preferences
- Hand tool set
- Fuel can 20L
- Parking pads
- Tow cable
- Axe
- Fire extinguisher
- Pick
- Spade

OPTIONS

Thermal camera:

- Resolution 640X512
- Sensitivity - <50 mK at f/1.0 with FLIR proprietary noise reduction

Display for troops:

- Application – High quality rugged military display
- Dimensions – 334x280x78
- Housing – aluminum
- Max. Resolution – 800x600 pixels
- Brightness – 350 cd/m2
- Viewing angle – 160/160
- Sealing – IP 65
- Power Supply 15-30V DC

Brakes: Pneumatic ass by a hydraulic system;

Central Tire Inflation System (CTIS);
Rubber gasket for vehicle door;

Dual alternator:

- Dual alternators totaling 357 amps.
- Standard configuration comes 200 amps;

Penalty Front and Rear adapted axles:

- (2 to 1) Gear Reduction Hubs (Final Gear Reduction: 7.46)
- (2") Thick Solid Steel rear axle Planetary Adapters
- Gain 31% more Torque/Power/Acceleration



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