



TULPAR

MODULAR ARMORED TRACKED VEHICLE

Otokar

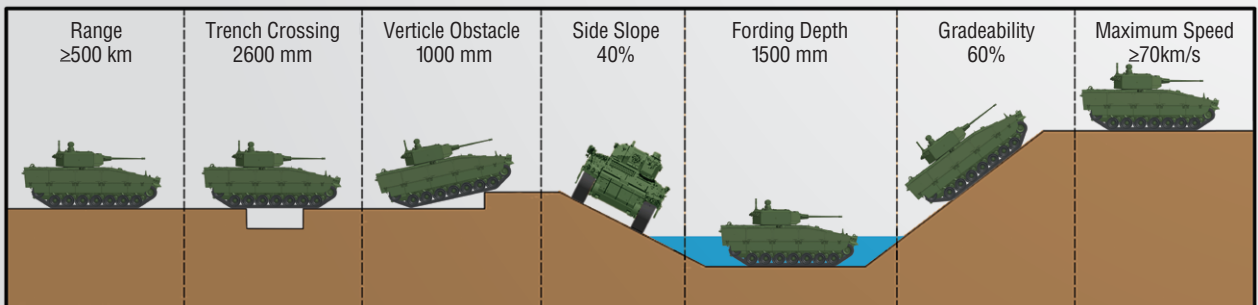


Future-oriented Perspective of Armored Tracked Vehicle

TULPAR is designed as a multi-purpose vehicle with variants ranging from 28000 kg to 45000 kg to fully satisfy the future global requirements. Future-oriented perspective of modularity is to increase operational flexibility by using common components and a common chassis over wide range of vehicle variants. TULPAR comes in several variants that share common subsystems.

The common platform can accommodate a medium tank; infantry fighting vehicle; armored personnel carrier; reconnaissance vehicle; command and control vehicle; air defence; ambulance; repair and recovery vehicle; mortar vehicle and other vehicle variants. Common platform design approach provides significant logistics advantages as well as reducing training burdens.

TULPAR is a multipurpose platform with high lethality, modularity and growth potential that can be tailored to meet current and future operational requirements.



Mobility

TULPAR has a powerpack in the front of the hull combined with turbo charged diesel engine and an automatic transmission provides which power ranging from 700 hp to 1100 hp.

Reliable and robust torsion bar suspension system consists of seven dual rubber-tire road wheels on each side. TULPAR has an Automatic Track Tension system which can adjust track tension for different road conditions to achieve outstanding mobility.



Modularity

Survivability

TULPAR Design focuses on tailored protection solutions against mine, IED, shaped charge and KE ammunition as well as CBRN threats. Otokar's comprehensive expertise on add-on armor and mine kit solutions deliver optimised vehicle protection. TULPAR vehicle design has been tested and qualified in terms of structural integrity and occupant survivability against landmine attacks and ballistic threats protection as per NATO STANAG 4569.

Situational Awareness System, sensors and communication equipment provide most convenient capabilities for crew. CBRN Protection and Automatic Fire Suppression System are provided as standard equipment.

Firepower

TULPAR is highly modular; therefore TULPAR could be fitted with manned or unmanned weapon systems ranging from 7,62 mm to 120 mm as well as air defense and mortar systems.



Electronic Infrastructure

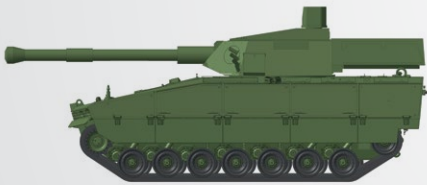
TULPAR is equipped with ARMATRONICS which provides a digital backbone that allows easy integration of new mission systems. Therefore the system is able to real time monitor and control sub-systems to prevent critical failures that could be faced on the battlefield. E/E architecture is ultimately designed to support all vehicle variants as well as the variants of mission systems.

TECHNICAL SPECIFICATIONS	TULPAR
WEIGHT AND DIMENSIONS	
Gross Vehicle Weight	28000 kg to 45000 kg
Maximum Crew Capacity	Up to 12, driver, commander, gunner and 9 troops
Length	7200 mm
Width	3450 mm
Height Over Hull	2100 mm
Ground Clearance	450 mm
ENGINE	Turbo Charged Diesel Engine 700 HP to 1100 HP
TRANSMISSION	Automatic
SUSPENSION	Torsion Bars with Shock Absorbers Automatic Track Tension System
TRACK SYSTEM	Rubber Type Track or Steel Type Track with Replaceable Pads
ELECTRICAL SYSTEM	24 V, 12 V, 120 Ah Maintenance-free Batteries, 28 V Alternator
PERFORMANCE DATA	
Maximum Speed	≥70 km/h
Fording Depth	1500 mm
Side Slope	40%
Gradeability	60%
Vertical Obstacle	1000 mm
Trench Crossing	2600 mm
Range	≥500 km

STANDARD FEATURES
Life Support System Combining CBRN Protection and Air Conditioning
Automatic Fire Extinguishing and Explosion Suppression System
Automatic Track Tension System
Mine Resistant Crew Seats
ARMATRONICS (Vehicle Electronics)
Driver Integrated Display
Driver's Vision Enhancement System
Built in Diagnostic

OPTIONS
Pre Heating System
Command, Control, Communication and Information (C3I)
Situational Awareness System
Radio and Intercommunication System
Auxiliary Power Unit
Commander Integrated Display
Navigation System (GPS/INS)

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MEDIUM TANK



INFANTRY FIGHTING VEHICLE



ARMORED PERSONNEL CARRIER



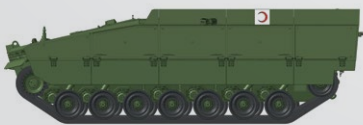
RECONNAISSANCE VEHICLE



COMMAND AND CONTROL VEHICLE



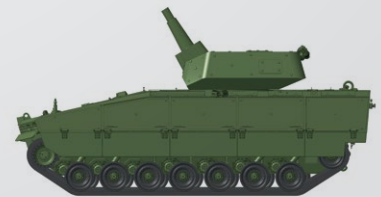
AIR DEFENCE VEHICLE



AMBULANCE



REPAIR AND RECOVERY VEHICLE



MORTAR VEHICLE

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