



TECHNICAL SPECIFICATIONS	TULPAR
Gross Vehicle Weight	32 tonnes (Grow potential up to 42 tonnes)
Crew Capacity	3+9 (Driver, Commander, Gunner and Troops)
Length	7230 mm
Width	3450 mm
Height	1850 mm (top deck)
Ground Clearance	450 mm
ENGINE	MTU 8V199 Turbo Charged Diesel Engine 16 liters, 8 Cylinders, Water Cooled 530 kW (720 HP) @2300 rpm
TRANSMISSION	RENK HSWL 106 Transmission 6 forward, 4 reverse gear Hydrostatic Steering Unit Torque converter with automatic lock-up clutch
SUSPENSION	Torsion Bar, Hydraulic Damper
TRACK SYSTEM	Replaceable pads, automatic track tension system
ELECTRICAL SYSTEM	24V DC-570A Alternator 6x12V-120Ah Maintenance Free Batteries
VISION	Driver and Commander Periscopes
FIREPOWER	30mm Dual Feed Automatic Cannon (210 ready rounds) 7.62 mm Coaxial Machine gun (500 ready rounds) High Performance and Latest Generation Digital Fire Control System Electrical Gun/Turret Drive and Stabilization Dual-axes independently stabilized Gunner and Commander sights equipped with high performance Cooled Thermal Camera/CCD/LRF and utilized with automatic target tracking and Hunter-Killer features 76 mm Smoke Grenade Launchers
PERFORMANCE	
Power/Weight Ratio	22.5 HP/ton @ 32 tons
Maximum Speed	≥ 70 km/h
Maximum Reverse Speed	40 km/h
Cruising Range	≥ 600 km
Step Climbing	0.8 m
Trench Crossing	2.6 m
Side Slope	40%
Gradeability	60%

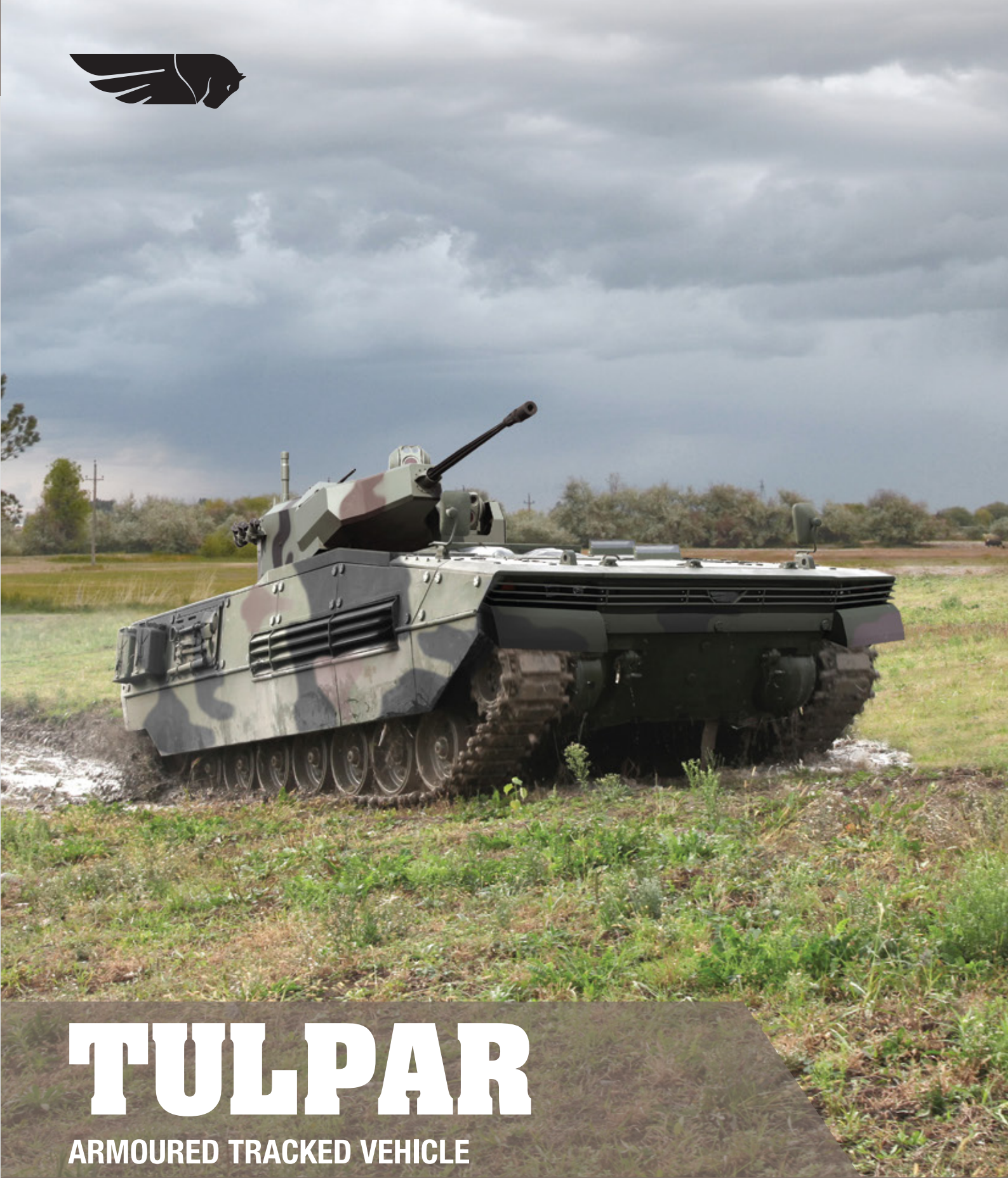
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STANDARD EQUIPMENT
Life Support System Combining CBRN Protection and Air Conditioning
Automatic Fire Extinguishing and Explosion Suppression System
Navigation & Positioning System
Driver Display Unit
Driver Front and Rear Thermal / Day Cameras
Automatic Track Tension System
Mine Resistant Crew Seats
Spall-liner
Radio and Intercommunication System
Mounting Interfaces For 2 Anti-tank Missiles and Equipment

OPTIONAL EQUIPMENT
Auxiliary Power Unit
Pre Heating System
Command, Control, Communication and Information (C <sup>3</sup> I)
Situational Awareness System

VARIANTS
Infantry Fighting Vehicle
Armoured Personnel Carrier
Armoured Anti-tank Vehicle (105 mm)
Armoured Mortar Vehicle (120 mm)
Armoured Reconnaissance Vehicle
Armoured Command Control Vehicle
Armoured Maintenance and Recovery Vehicle
Armoured Engineering Vehicle
Armoured Multiple Launch Rocket System
Armoured Ambulance
Armoured Air Defense Vehicle

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# TULPAR

## ARMOURED TRACKED VEHICLE

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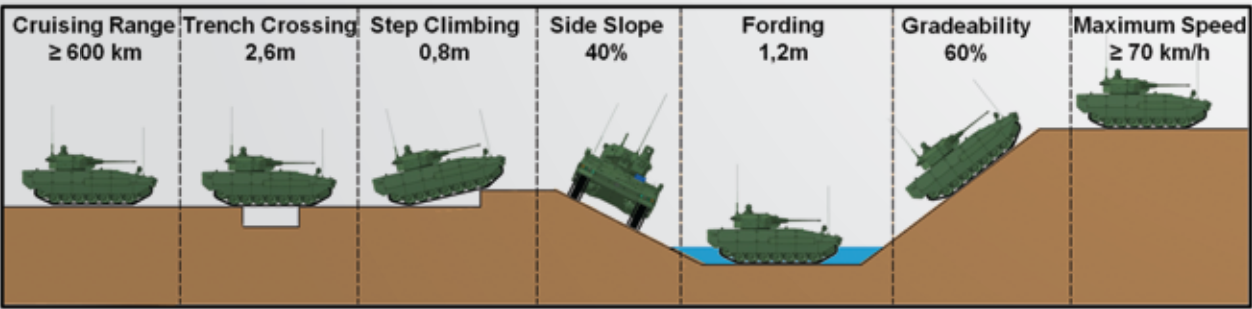


# Armoured Tracked Vehicle

TULPAR is designed as a multi-purpose vehicle platform with its outstanding ballistic and mine protection features to support new generation main battle tanks in battlefield and provide fire support for infantry.

TULPAR offers a superior mobility in a wide range of challenging terrains and climatic conditions and also serves in diverse operations including urban and peacekeeping missions. TULPAR is a next generation armoured combat vehicle platform with its technical and tactical characteristics such as protection, mobility, electronic infrastructure and firepower. TULPAR offers all required mission equipment required in the battlefield as standard. TULPAR is transportable with A400M.

Thanks to its large internal volume, high payload and flexible architecture; TULPAR has sufficient growth potential to meet the future protection needs and mission equipment.



## Mobility

TULPAR is powered by a 720 HP, 16 liter, water cooled turbo charged V8 diesel engine. Engine is coupled with an automatic transmission which has 6 forward and 4 reverse gears. The torsion bar suspension consists of seven dual rubber-tire road wheels on each side. Suspension system is equipped with hydraulic dampers. TULPAR can travel road speeds of over 70 km/h with a cruising range over 600 km. It can cross a vertical step of 0.8 m and a trench with a maximum width of 2,6 m. The vehicle is able to negotiate slope up to 60% and side slope to 40%.

## Fire power

TULPAR is able to combat in all weather conditions, day and night thanks to MIZRAK remotely controlled turret. MIZRAK; with latest generation digital fire control is fitted to 30 mm dual-feed and automatic main gun and 7,62 mm co-axial machine gun. Turret provides sights both for Gunner and Commander and Hunter-Killer capability. Thermal/CCD Camera, integrated laser range finder and automatic target tracking featured sight systems are provided as standard for both Commander and Gunner.

## Survivability

TULPAR has modular armour which allows the vehicle to be easily upgraded for increased and tailored protection. TULPAR's protection is supported with mine resistant welded structure, shock absorbing floor structure, shock absorbing seats and spall liners in the personnel cabin. TULPAR has signature management properties such as low silhouette and IR reflective paint.

Situational Awareness System, sensors and communication equipment provide most convenient capabilities for crew. NBC Protection, Automatic Fire Suppression System are provided as standard equipment to protect the personnel. Auxiliary Power Unit is optional.



## Battlefield Management System

TULPAR is equipped Multiband Multimode Software Defined Vehicular Radio, GPS/INS and Internal Communication system. Optionally, TULPAR can be equipped with battlefields management system comprising Command, Control, Communication and Information (C<sup>3</sup>I) system.