

DEVELOPMENT
CONCEPT



LAZANSKI

Infantry fighting vehicle 8x8 with 57 mm RCWS



The vehicle Lazanski 8x8 is the most sophisticated and modern, heavy armored vehicle, developed by Yugoimport-SDPR. The integration of world class heavy duty components, special materials and technology lead to development of vehicle capable of competing with the very top producers in the world.

Regarding the class of 8x8 wheeled vehicles, Lazanski 8x8 provides the ultimate capabilities considering max gross weight of up to 36t along with powerful 711 Hp turbocharged engine. The extremely robust yet powerful vehicle serves as a strong multipurpose platform for range of operations bigger than ever before.

The suspension and transmission systems (specially developed for Lazanski 8x8) in combination with Height Management System, provide optimal capabilities of upgrading ballistic protection to levels 5 and 6, with a significant payload capacity for heavy RCWS or turret (installment of the weapon stations of the largest calibers). Mine protection is declared and tested in Serbia for Stanag level 4, and the seats are specially adapted for shock absorbent.

WEIGHT AND DIMENSIONS

- Gross vehicle weight 26 t to 36 t depending on configuration
- Length 8 m
- Width 3.2 m
- Height 2.6 m
- Seating capacity Up to 13

POWER PACK AND TRANSMISSION

- Engine Turbocharged CATERPILLAR C13 711 Hp
- Transmission Automatic 6 speed Allison 4000SP
- Transfer case Katsa two stage, with a forced differential lock and neutral gear
- Drive train SISU axles, electro pneumatic locks on all subelements

CREW ERGONOMICS AND SITUATION AWARENESS

- Video system 6 integrated day/night IR cameras
- Crew awareness 10" and 12" screens for crew and infantry compartment integrated in the unique programmable video system
- Driver assist systems Inertial Navigation System, BMS, fully digital + analog parameters
- CBRN Full protection of internal atmosphere
- Air Conditioning Specially developed for the vehicle Lazanski
- Intercom Fully developed for Lazanski 8x8 – connectable to HF/WHF radio



SUSPENSION AND PAYLOAD CAPACITIES

- Suspension system Unique specially developed system for Lazanski 8x8 gas hydraulic suspension system
- Clearance regulation Electronically programmed adjustable Height Management System
- Payload capacity Based on configuration of ballistics/RCWS
- Mobility protection Automated CTIS system, tire shields, Run flat inserts, military grade Michelin 16.00R20XZL tubeless tires

BALLISTIC AND MINE PROTECTION

- Mine protection Stanag level 4a and 4b
- Crew survivability Special antiblast seats for complete crew members
- Ballistic protection Yugoimport kit stanag lvl 4 Yugoimport kit stanag level 5 and 6 – in development

TECHNICAL CHARACTERISTICS OF 57 mm AUTOMATIC WEAPON STATION

AU-220M is designed for installation on future armored combat vehicles and modernization of currently deployed vehicles in order to increase fire power of motorized rifled and infantry units.

AU-220M main armament can also be used to accomplish air defense missions thus expanding combat flexibility of armored combat vehicles.

It is designed as a remote-controlled unmanned artillery module.

Fire control system

The FCS controls the operations of target detection and identification, gun laying and firing of the 57mm automatic gun and 7.62mm machine-gun when firing from a halt, on the move and on the float in any combat environment. The FCS is equipped with a sight unit, comprising a combined sight with thermal-imaging and TV channels, a laser-finder and independent dual-axis field of view stabilization.

Protection

All-around fire - protection against 7.62mm bullets (~Level 3 acc. to STANAG 4569).

Front arc - protection against 30mm bullets (~Level 5 acc. to STANAG 4569).

Main technical data

- Armament 57mm automatic gun
7.62mm 6P7K machine-gun
- Rate of fire, rpm 80
- Firing range, km vertical / horizontal up to 7.5 / up to 14.5
- Laying angles
 - elevation -5 to +60
 - traverse 360
- Ammunitions, pc:
 - automatic gun 80
 - machine-gun 500
- Ammunition types fixed rounds with high-explosive, armour piercing and guided projectiles
- Weight (with ammunitions and in-hull equipment), kg 3650
- Mounting ring diameter, mm 1740

