



TAMNAVA

Multiple Launch Rocket System 122/262 mm



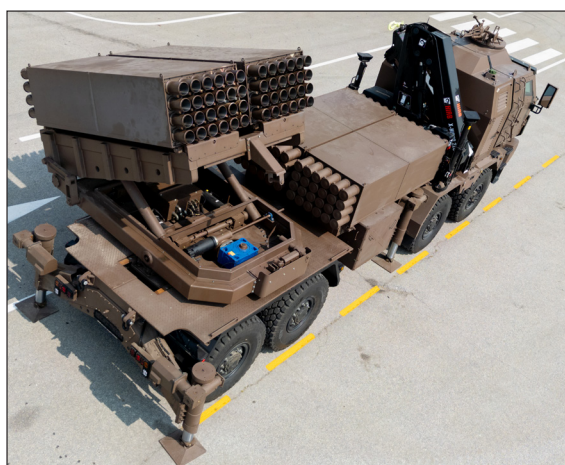
The 122/262 mm multiple launch rocket system is designed as a modular system. Its modularity is demonstrated by the ability to use launch pod containers armed with 262 mm rockets and all variants of the 122 mm rocket.

Fully automated, the system integrates an advanced Fire Control System (FCS) with an automatic line of sight, INS navigation, an artillery reconnaissance electronic goniometer, an automatic system for launcher alignment to the reference azimuth, meteorological sensor, radio systems for TCP/IP and UDP voice and data transfer, and modern ballistic computer, enabling fully autonomous MLRS operation and the execution of pre-programmed combat missions.

The automated system, with the ability to independently engage targets, allows the weapon to deliver rapid fire, immediately reposition to ensure survivability under active combat and electronic warfare conditions.

The system integrates an electronic trigger supporting single or salvo firing, provides real-time feedback on the type of rockets loaded on the launcher and launcher tube status, allowing the commander and higher command levels to plan missions and logistics in real time.

The baseline configuration uses reusable 122 mm launch containers, with optional use of disposable 122 mm launch containers. The MLRS can accommodate two spare 122 mm launch containers. Loading and unloading of the launch system is carried out by a crane mounted on the vehicle platform. For enhanced self-protection, the system is equipped with laser radiation warning sensors and a smoke grenade launcher.



Basic technical data :

• Range:	70 km (262 mm) and 40 km (122 mm), 20 km (122 mm)
• Caliber:	262 mm, 122 mm
• Launching device:	Reusable launch modules
• Number of launch modules:	2
• Number of tubes per launch module:	6 (262 mm), 24 (122 mm)
• Weapon combat set:	96 rockets 122 mm or 12 rockets 262 mm
• Engagement:	Automatic via the electronic trigger or via a firing control panel accommodated in a shelter, 25 m away from the vehicle
• The launch modules are designed for:	
- Giving direction when launching	
- Locking the rocket when traveling	
- Electrical ignition of the rocket motor	
- Stowage and storage	
• Operating temperature range:	od 243 K do 327 K
• Operating range :	
- Elevation	0° to 60°
- Traversing	±110°
• Elevation and traverse:	
- Automatic	
- Semi-automatic	
- Manual	
• Accuracy of elevation and azimuth angles:	±00-01 (64-00 division)
• Accuracy of MLRS position:	±1 m
• Accuracy of MLRS orientation in firing position:	±00-01
• Angular rate:	
- Elevating mechanism	1°/s max
- Traversing mechanism	3°/s max
• Vehicle:	MAN TGS 41-480 8x8 or any other 8x8 platform with 40 t payload capacity and an armored cabin, level 2
• Crew:	Three, accommodated in the truck cab
• Loading:	Standard loading/unloading lifting device on the utility vehicle or auto-loading the spare set accommodated on the platform
• Weapon stabilization:	Stabilized by way of four legs
• Orientation and navigation:	INS and GPS
• Combat mission:	Autonomous
• Slope correction:	Automatic, using a special device – up to 5°
• Electronic trigger:	
- Burst fire with variable time intervals	0.8 s to 4 s
- Single fire	
- Firing from the truck cab or a shelter at 25 m	
• Time to prepare for firing:	180 s
• Time to retreat:	120 s
• Protection and camouflage:	mechanized tarpaulin protection, optional camouflage net
• Weight:	35000 kg (max)
• Size:	
- length (max)	10660 mm
- width (max)	2600 mm, 2970 mm over side mirrors
- height (max)	3840 mm
• Transport:	Railway, trailer, ship.

