

ATMOS

155mm truck-mounted howitzer for increased mobility and enhanced firing capabilities



Elbit Systems' ATMOS is a 155mm/52 caliber truck-mounted howitzer that offers the advantages of superior fire power, enhanced mobility and rapid response time. Highly adaptable, the modular ATMOS system is compatible with any 6x6 or 8x8 high-mobility tactical truck. ATMOS supplies fire support for all types of missions and can be easily interfaced with customers' existing C⁴I systems.

Part of Elbit Systems' line of fully integrated, modular artillery solutions, ATMOS incorporates an embedded electronic suite, automatic laying system and automatic loading system. The advanced electronic suite effectively enables accurate navigation and autonomous operation, reduced crew size, increased fire power and high precision accuracy.



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Flexible platform configurations - The ATMOS can be mounted on any adapted high-mobility 6x6 or 8x8 truck chassis preferred by the customer. The protected cabin of the ATMOS is designed for a crew of 5-6 personnel, a driver, a commander, and an additional three to four crew members along with all personal equipment and small arms. The cabin is equipped with an air conditioning system that is capable of both heating and cooling.

Superior firepower capabilities - The ATMOS achieves ranges exceeding 40km with ERFB-BB ammunition and suitable propelling charge. Designed specifically for rapid deployment and operation on difficult terrain, the ATMOS's shoot-and-scoot capabilities are supported by an integrated electronic suite incorporating an INS-based laying system, as well as an automatic loading system that reduces crew effort.

The ATMOS can fire all types of qualified 155mm ammunition, projectiles and charges that are in use by NATO and other countries. On board containers store a minimum of 18 rounds, including projectiles, propellants and fuzes.

Battle-proven and fully operational - A fifth generation gun, the ATMOS provides advanced fire support for a wide range of missions and is operational in artillery forces around the world.

Key Benefits

- Available with any 6x6 or 8x8 in-service truck
- Integrated with a complete electronic suite
- Integrated with system command and control at all levels
- Rapid deployment with high tactical mobility and rapid response time
- Protected and armored crew cabin
- Integrated logistic support and all-level maintenance program
- Low life-cycle cost

ATMOS - Technical Specifications

Gun assembly		
Calibre		155mm / 52 Cal
Breech Type		Horizontal sliding
Recoil Buffer type		Hydraulic – single cylinder
Recuperator		Hydro-pneumatic
Loading System		
Automatic		Hydraulically operated
Gun drive system		
Drive type		Hydraulic with manual backup
Traverse range		±25°
Elevation range		up to +70°
Positioning accuracy		1 mil
Electronics suite		
Laying		Automatic INS & GPS based
Communication to FDC		Data and voice
Navigation		INS & GPS with built-in maps
Muzzle Velocity Radar		Integrated on the ordnance
Platform		
Platform Type		6x6 or 8x8 high mobility truck
Road speed		More than 80km/h
Off road speed		Up to 30km/h
Physical parameters		
Max total weight		29,000kg
Width while travelling		2,550 mm
Max Length while travelling		9,500 mm
Operational parameters		
On board ammunition		Minimum of 18 full projectiles
Deployment time		60 seconds with electronic suite
Disengagement time		60 seconds with electronic suite
Firing range (ERFB-BB)		More than 40km



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