



ALAS C

A powerful coastal defence system

Knowing that artillery superiority today relies on precise, time-sensitive, intelligent and highly efficient ammunition, EDePro prides itself on developing the ALAS missile family that has all the characteristics of the 5th generation missile systems. As the family's first representative, the ALAS XX has the performance of the best multipurpose surface-to-surface systems.

Tactical Use

Anti-ship and anti-landing scenarios for the preparation of assaults, opening of passages, maintaining the pace of attacks, neutralizing the coastal artillery of the enemy by action from the sea.

The Warhead Type

Next generation blast fragmentation warhead, as a result of modern sensor-integrated warhead technology of intelligent and highly efficient ammunition, brings greater effectiveness against hardened targets.

The Guidance (GNC) system

The missile is self-guided based on the aided inertial navigation system, and terminal guidance is based on video/infrared technology. Trajectory guidance is based on pre-set trajectory points from GCS, while terminal guidance is based on Homing Head signal with an abs. accuracy of 1m. Homing Head subsystem consists of seeker, TV CCD or IR sensor with the gyro-stabilized frame, and electronic block (computer). The electronic block is using a processing picture and control coordinator with associated electronics.

Enviromental & Operational Conditions

The prototype fully complies with the following MIL-STD-810F standard's test methods: 501.4 (High TEMP), 502.4 (Low TEMP), 503.4 (TEMP Shock), 507.4 (Humidity), 513.5 (Acceleration), 514.5 (Vibrations).

MAIN SPECIFICATIONS

- Ø Calibre: 175 mm
- ◇ Range: 25 km
- △ Takeoff mass: 73 kg
- ◊ Length: 2723 mm



The Launcher Type

Due to the joint development between the Republic of Serbia and the United Arab Emirates (UAE), the missile is designed for providing coastal defence while integrated with the "Ha-feet" 6x6 armoured vehicle produced by UAE's Nimr Automotive LLC.



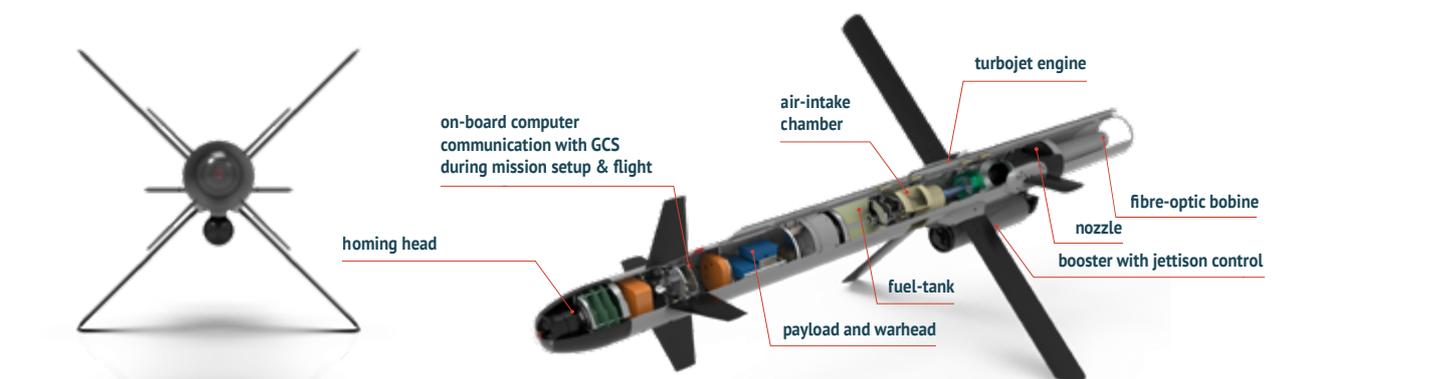


MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical Specification

	Data	Unit
Total body length	2723	mm
Calibre	175	mm
Wingspan	1638	mm
Takeoff mass	73.1	kg
Container's inner dimensions	570x620	mm
In-flight mass	59.3	kg
Sustainer type	turbojet engine	/
Turbojet trust on 90.000 rpm	>28	kg
Booster type (detachable)	a solid propellant RM	/
Cruising speed	120-150	m/s
Maximum flight altitude (above sea level)	2000	m
Cruising altitude (relative to the launching position)	150-600	m
Maximum effective range	25	km
Minimum effective range	3	km
Maximum manoeuvrability	4	g

MISSILE COMPONENTS



BENEFITS

- » tracking and lock-on range can be up to 7 km;
- » the midterm guidance based on pre-set trajectory points from GCS;
- » communication with (GCS) during the mission setup & flight;
- » the homing head signal has an absolute accuracy of 1 m;
- » the navigation relies on INS, GPS and on altimeter (based on availability);
- » mission abort can be manual (via GCS) or automatic (based on predefined criteria).

