EDePro
Engine Development & Production

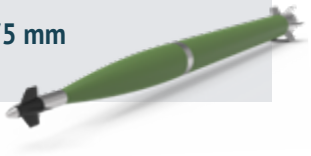
GMLRS Hurricane 262mm

A long-range surface-to-surface missile

The HURRICANE 262mm is guided surface-to-surface missile intended for strong general fire support and action on tactical depth of the enemy. The high accuracy (C.E.P. less than 0.3 % at maximal range) is achieved by clever design and strict quality control.

MAIN SPECIFICATIONS

- Calibre: 262 mm
- Range: 70.7 km
- Takeoff mass: 412 kg
- Length: 4475 mm



Tactical Use

It is used to defeat enemy motor-rifle and infantry units in concentration areas, on the march and in battle formations, artillery and mortar batteries, air defense units, and logistics facilities. A rocket launches from multi-barrel launching rocket system.

The Warhead Type

The impact fuse, that is positioned at the front, ignites the blast fragmentation warhead. It is composed of an explosive charge, pre-fragmented components, and a shell. Pre-fragmentation is carried out in such a way as to have various masses of fragments to meet various purposes (from armed forces to light armored targets).

The Rocket Motor

The rocket motor is completely new modern design with single propellant grain, which is inhibited along the outer surface and front end. It contains two types of propellant, which differ in burning rate. The propellant used for grain production is modern thermoplastic composite propellant with excellent energetic, mechanical and aging characteristics.

The Guidance & Control Section

Navigation and calculation of flight commands is carried out using aided INS (AINS) navigation based on INS or GPS. To enable the prediction accuracy, the guidance is based on preset trajectory points from the GCS, flight path steering (FPS) and impact point prediction (IPP).

The Launcher Type

A missile launches from multi-barrel container-type launching rocket system. The vehicle can carry 2 launching modules each contains 6 tubes, total 12. The launch modules are designed for giving direction when launching, locking the rocket when traveling, electrical ignition of the rocket motor and stowage and storage. The elevation and traverse can be automatic, semi-automatic and manual.

EDePro INNOVATIONS

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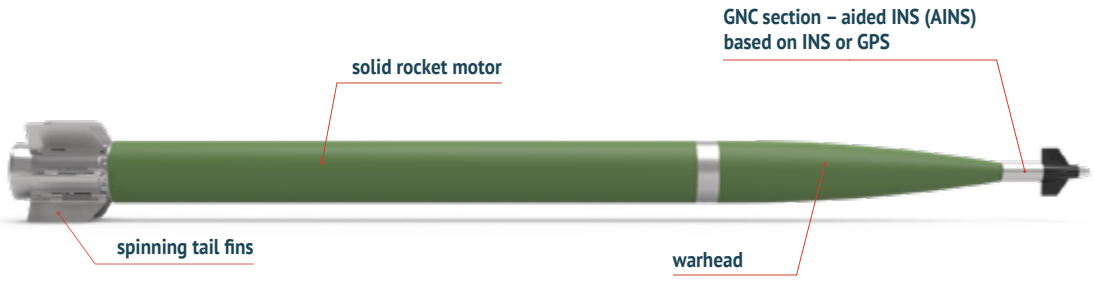
MAIN TACTICAL AND TECHNICAL PERFORMANCES

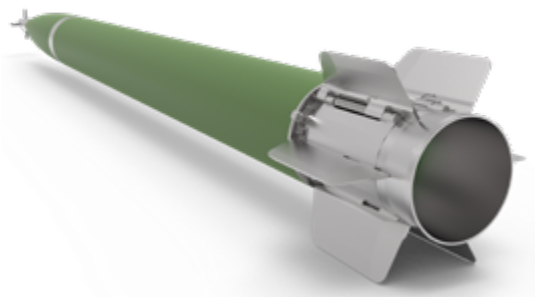
Technical Specification	Data	Unit
Calibre	262	mm
Total body length	4475	mm
Takeoff mass	412	kg
Warhead mass with fuse	160	kg
Explosive mass in W.H.	50	kg
Number of W.H. fragments	18200	pcs
Ready-made (weighing ~3g)	6300	pcs
Ready-made (weighing ~6g)	5500	pcs
Ready-made (weighing ~10g)	1400	pcs
From the body (average ~6g)	5000	pcs
Type of Explosive Filling	TNT/RDX	/
Warhead lethal radius	65/75	m
Fuze designation	point detonating	/
Type of propellant	composite	/
Propellant mass	160	kg
Burning time	4	s
Total motor impulse	370000	Ns
Minimal range	15	km
Maximal range	70.7	km
Apogee at maximal range	26.4	km
Flight time at max. range	151	s
CEP at max. range	< 0.3	%
Temperature range	-30÷+60	°C

MISSILE COMPONENTS



BENEFITS

- guidance system based on flight path steering (FPS), impact point prediction (IPP) and GCS preset trajectory points;
- enabled communication with the GCS during mission setup;
- aided INS (AINS) based on INS or GPS depending on availability;
- the launcher can carry 2 launching modules with 6 tubes, total 12;
- fast preparation for launching and simple use.



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