

HYBRID ARTILLERY-MISSILE ANTI-AIRCRAFT SYSTEM „HARPAS“



„HARPAS“ system is a modern hybrid artillery weapon system intended for anti-aircraft defense of troops and important objects from airplanes, helicopters, cruise missiles and unmanned aerial vehicles. It is integrated on the vehicle base of the M84 main battle tank, which is characterized by excellent mobility and the ability to protect the crew, devices and instruments from the action of small arms and pieces of artillery projectiles.

The „HARPAS“ hybrid system armament and equipment consists of:

- 2 x anti-aircraft guns 40 mm L/70 Bofors,
- 2 x anti-aircraft missiles 170 mm RLN-TK,
- 2 x anti-aircraft missiles 170 mm RLN-RF
- Software defined short-range tactical radar RADA RPS-42 with dedicated VSHORAD mode of operation,
- Electro-optics and
- Domestic command and control (C2) system.

Real-time situational awareness on-the-move and fire control system management in all weather conditions combined with tactical radio communication allows easy integration of „HARPAS“ system in existing C2/C4i infrastructure.

TECHNICAL CHARACTERISTICS :

Firing Range:	3.7 km slant range – 40 mm L/70 Bofors 12 km in distance and 8 km in height – missiles
Ammunition quantity:	guns/missiles: 200/2+2
Type of ammunition:	bullet with a HE-T projectile bullet with a pre-fragmented projectile and a proximity fuse
Radar characteristics:	instrumental detection range: ≤ 30 km instrumental detection height: ≤ 6 km high priority target tracking height: ≤ 15 km
Target classification:	automatic, using artificial intelligence algorithms
Fire control system:	radar assisted, laser-computer FCS with aiming