



HYBRID ARTILLERY-MISSILE ANTI-AIRCRAFT SYSTEM „HARPAS“



PURPOSE:

The „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 is armed with 40 mm L/70 Bofors guns, 170 mm anti-aircraft missiles RLN-TK and RLN-RF and is equipped with a short-range tactical radar, which is intended for performing aerial surveillance tasks and detecting targets with a small reflective surface in all weather conditions, step over or on the move.

TECHNICAL CHARACTERISTICS:

Armament, caliber:	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
Range:	3.7 km – 40 mm L/70 Bofors 12 km in distance and 8 km in height – missiles
Ammunition:	guns/missiles: 200/2+2
Type of ammunition:	bullet with a HE-T projectile bullet with a prefragmented projectile and a proximity fuze
Radar characteristics:	instrumental detection range: ≤ 120 km instrumental detection altitude: ≤ 20 km classification of objectives: automatic, using artificial intelligence algorithms
Fire control system:	laser-computer fire control device with aiming devices

