POPRAD

MOBILE ANTI-AIRCRAFT MISSILE SYSTEM

The POPRAD Self-propelled Anti-Aircraft Missile System (SPZR POPRAD) is intended for detection, identification and engagement short-range and low altitude air targets with the use of self-guided short-range missiles (heat-seeking missiles). The SPZR POPRAD might be used to cover columns of troops, staging points, command posts and military troops, as well as airports, harbors, industrial plants, communication hubs, etc. from air-strike means.

The core functions of SZPR POPRAD are accomplished by the integrated tracking-aiming head, that contains a high dynamics and accuracy drives. Furthermore, a set of electro-optical sensors (daylight camera, thermal camera and laser range-finder) cooperates with a videotracker – an automatic target tracking system.

Target acquisition is, based on digital data radio link delivered from the automated air defense command and control system via digital channels or is worked-out autonomously. The set includes a fire control computer, a navigation and orientation system and a short-range interrogator.

The missile launching system is mounted on the Żubr-P off-road truck. Other carriers can be used as well.

TECHNICAL DATA:	
Effective engagement altitudes range	10 – 3500 m (depends on missile type)
Effective engagement distances range	500 – 5500 m (depends on missile type)
Type of missile specified	MANPADS type GROM/PIORUN or order
Number of launch tubes	4
Number of missiles on board	8 (incl. 4 spares)
Power supply	built-in APU or battery unit
Crew	2 (commander/operator and mechanic/ driver)

ADVANTAGES:

- high mobility
- ~~sh~~ort deployment time
- ~~ca~~pability of fight the fast maneuvering targets
- ~~hi~~dden operation
- ~~da~~y and night operation
- easy integration on various carrier platforms (wheeled, tracked, sea-surface)

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