

AS-20 Kayak [Kh-35U Star] (2013, GLONASS)

Guided Weapon

Type: Guided Weapon

Weight: 520.0 kg

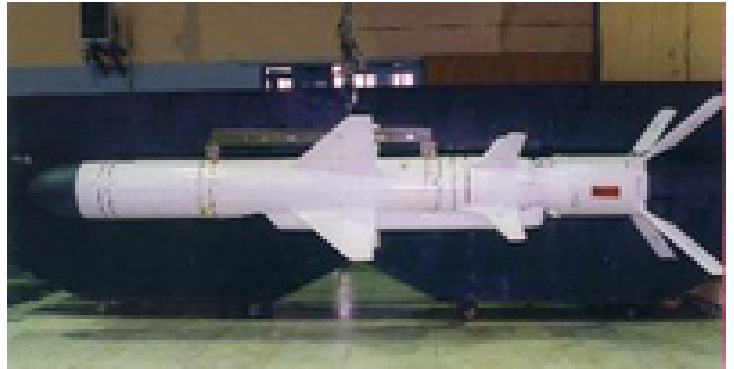
Length: 3.85 m

Span: 1.33 m

Length: 3.85 m

Diameter: 0.42

Generation: None



Properties: Home On Jam (HOJ), Flight Profile - Terrain Following, Search Pattern, Bearing-Only Launch (BOL), Weapon - INS w/ GNSS Navigation, Terminal Maneuver - Pop-Up, Re-Attack Capability, Uses GLONASS, Flight Profile - Level Cruise Flight

Targets: Surface Vessel, Land Structure - Soft, Land Structure - Hardened, Runway

Sensors / EW:

- Active Radar Seeker - (ASM MR, AS-20, SS-N-25, ARGS-35) Radar, Weapon Seeker, Active Radar, Max range: 9.3 km

- Passive Radar Seeker - (AS-20, SS-N-25) ESM, Weapon Seeker, Anti-Radiation, Max range: 55.6 km

Weapons / Loadouts:

- AS-20 Kayak [Kh-35U Star] - (2013, GLONASS) Guided Weapon. Surface Max: 259.3 km. Land Max: 259.3 km.

OVERVIEW: The AS-20 KAYAK (Kh-35U 3M24 URAN) is a medium-range, sub-sonic, air-launched, turbo-jet powered solid-fuel anti-ship missile with an active I/J-band radar seeker. It has a 145 kg HE warhead.

DETAILS: After launch, the missile descends to approximately 15 meters, using inertial mid-course guidance. At approximately 20 km from the target, the active radar in the nose is switched on its search mode. After locking onto a target, the missile descends to approximately 2-5 meters and goes into the terminal phase. The missile is reported to have ECCM capability, and is effective up to Sea State 5-6.

NOTES: There is also a rocket-boosted helicopter launched version. The export version of the Kh-35U is designated Kh-35UE. A containerized version of the missile has been demonstrated, potentially allowing the system to be deployed on merchant vessels.

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SOURCES: Jane's Weapons Systems, Vol. 1: Air-Launched, "Kh-35/3M24, Kh-35U/UE (AS-20 'Kayak'), Kh-37" 17 October 2013; RIA Novosti. "New Containerized Missile System on Show | Defense." Accessed November 5, 2013. http://en.ria.ru/military_news/20120627/174264315.html ; Federation of American Scientists. "Zvezda Kh-35 [AS-20 Kayak / SS-N-25 Switchblade]." Accessed November 5, 2013. <http://www.fas.org/man/dod-101/sys/missile/row/as-20.htm> ; Air Power Australia. "Soviet/Russian Cruise Missiles." Accessed November 5, 2013. <http://www.ausairpower.net/APA-Rus-Cruise-Missiles.html#mozTocId501956>.