AGM-88B HARM Blk IIIB

Guided Weapon

Type: Guided Weapon
Weight: 366.0 kg
Length: 4.17 m
Span: 1.12 m
Length: 4.17 m
Diameter: 0.25
Generation: None

Properties: Home On Jam (HOJ), ARM Target Memory, Bearing-Only Launch (BOL), Flight Profile - Level Cruise Flight
Targets: Radar

Sensors / EW:
- Passive Radar Seeker - (AGM-88B) ESM, Weapon Seeker, Anti-Radiation, Max range: 129.6 km

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Weapons / Loadouts:
- AGM-88B HARM Blk IIIB - Guided Weapon. Surface Max: 129.6 km. Land Max: 129.6 km.

OVERVIEW:
The AGM-88 High-speed Anti-Radiation Missile (HARM) is a tactical, air-to-surface missile designed to home in on electronic transmissions coming from surface-to-air radar systems. It was originally developed by Texas Instruments as a replacement for the AGM-45 Shrike and AGM-78 Standard ARM system. Production was later taken over by Raytheon Corporation when it purchased the defense production business of Texas Instruments.

DETAILS:
The AGM-88 can detect, attack and destroy a radar antenna or transmitter with minimal aircrew input. The proportional guidance system that homes in on enemy radar emissions has a fixed antenna and seeker head in the missile's nose. A smokeless, solid-propellant, booster-sustainer rocket motor propels the missile at speeds over Mach 2. HARM, a U.S. Navy-led program, was initially integrated onto the A-6E, A-7 and F/A-18 and later onto the EA-6B. RDT&E for use on the F-14 was begun, but not completed. The USAF introduced HARM on the F-4G Wild Weasel and later on specialized F-16s equipped with the HARM Targeting System (HTS).

SPECIFICATION:

AGM-88B HARM Blk IIIB

Weight: 355 kilograms (783 lb)
Length: 4.1 metres (13 ft)
Diameter: 254 millimetres (10.0 in)
Warhead: WDU-21/B blast-fragmentation in a WAU-7/B warhead section, and later WDU-37/B blast-fragmentation warhead.
Warhead weight: 66 kilograms (146 lb)
Detonation mechanism: FMU-111/B laser proximity fuze
Engine: Thiokol SR113-TC-1 dual-thrust rocket engine
Wingspan: 1.1 metres (3.6 ft)
Propellant: Solid fuel
Operational range: 150 kilometres; 92 miles (80 nmi)
Speed: 2,280 km/h (1,420 mph)
Guidance system: Passive radar homing with home-on-jam,GPS/INS and MMW active radar homing in E variant. 500-20,000 MHz for AGM-88C

SOURCE:
Wikipedia http://en.wikipedia.org