



AIR COMBAT COMMAND

PEOPLE FIRST - MISSION ALWAYS

AGM-88 HARM/AGM-88E AARGM

Current as of January 25, 2020



AGM-88 HARM MISSION

The AGM-88 HARM (high-speed anti-radiation missile) is an air-to-surface tactical missile designed to seek and destroy fixed and re-locatable enemy radar-equipped air defense systems.

FEATURES

The AGM-88 HARM is a supersonic air-to-surface missile designed to seek and destroy enemy radar equipped air defense systems.

HARM has a proportional guidance system that uses passive broadband radio frequency and hones in on enemy radar emissions through a fixed antenna and seeker head in the missile nose.

The missile consists of four sections; guidance section, warhead, control section, and rocket motor. The HARM is integrated on F-16C-D and is manufactured by Raytheon.

AGM-88E AARGM MISSION

The AGM-88E AARGM (advanced anti-radiation guided missile) is an air-to-surface tactical missile designed to provide lethal destruction of mobile, fixed, and re-locatable Integrated Air Defense Systems.

FEATURES

The AGM-88E AARGM is an upgrade to legacy HARM. AARGM consists of newly developed guidance and modified AGM-88B HARM control section. AARGM uses existing AGM-88 HARM rocket motor section, warhead section, wings and fins. New guidance is equipped with more sensitive wideband passive digital Anti-Radiation Homing (ARH) receiver, a conformal antenna array, an active Millimeter Wave (MMW) radar, and an Integrated Broadcast Service Receiver (IBS-R).

The ARH in combination with the conformal antenna can geo-locate emitting targets. ARH minimizes target location error over time, allowing MMW radar to continue to prosecute and attack even with target radar shutdown.

The AGM-88E Control Section incorporates a GPS aided inertial navigation suite (INS) and a Weapons Impact Assessment (WIA) transmitter. The GPS/INS provides AARGM point-to-point capability and missile avoidance/impact zones. AARGM is a product of ATK Mission Systems.

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