

CH-AA-7 Adze [PL-12C] (2018+, Folding fins for J-20)

Guided Weapon

Type: Guided Weapon

Weight: 199.0 kg

Length: 3.93 m

Span: 0.75 m

Length: 3.93 m

Diameter: 0.2

Generation: None

Properties: Home On Jam (HOJ), Anti-Air All-Aspect, Capable vs Seaskimmer, Flight Profile - Level Cruise Flight

Targets: Aircraft, Missile

Sensors / EW:

- Active Radar Seeker - (AAM MR, PL-12) Radar, Weapon Seeker, Active Radar, Max range: 9.3 km

Weapons / Loadouts:

- CH-AA-7 Adze [PL-12C] - (2018+, Folding fins for J-20) Guided Weapon. Air Max: 92.6 km.

The PL-12C is an active radar, Beyond Visual Range (BVR) air-to-air supersonic solid fuel missile with laser/microwave proximity fusing. The PL-12's guidance is a mix of command guidance via a datalink, and its own inertial guidance which it uses before entering the active radar terminal guidance phase. The missile can also be launched to a pre-selected point using its inertial system, before switching on its own seeker for a terminal search. Over short ranges the missile can be launched in a 'fire-and-forget' mode using its own active seeker. The PL-12 also has a 'home-on-jam' mode, allowing it to passively track and engage an emitting target. The PL-12 has a 38+ g maneuvering limit. The PL-12C features with foldable tailfins for internal carriage on 5th-generation fighters.

Source: <http://chinese-military-aviation.blogspot.com/p/missiles-i.html>; <http://en.wikipedia.org/wiki/PL-12>