

NAME THAT PLANE

EA-6B Prowler

The Northrop Grumman (formerly Grumman) EA-6B Prowler is a twin-engine, mid-wing electronic warfare aircraft modified from the basic A-6 Intruder airframe. The EA-6B has been in service with the U.S. Armed Forces from 1971 through the present, during which it has carried out numerous missions for jamming enemy radar systems, and in gathering radio intelligence on those and other enemy air defense systems. In addition, the EA-6B is capable of carrying and firing anti-radiation missiles (ARM), such as the the HARM missile. The aircrew of the EA-6B consists of one pilot and three Electronic Countermeasures Officers, though it is not uncommon for only 2 ECMOs to be used on missions.

Specifications (EA-6B)

(Data from US Navy Fact File)

General characteristics

Crew: four (one pilot, three electronic countermeasures officers)
Length: 59 ft 10 in
Wingspan: 53 ft
Height: 16 ft 8 in
Wing area: 528.9 ft²
Empty weight: 31,160 lb
Max. takeoff weight: 61,500 lb
Powerplant: 2 × Pratt & Whitney J52-P408A turbojet, 10,400 lb/f each

Performance

Maximum speed: 566 knots (651 mph)
Cruise speed: 418 kt (481 mph)
Range: 2,022 mi (tanks kept) / 2,400 mi (tanks dropped)
Service ceiling: 37,600 ft
Rate of climb: 12,900 ft/min
Wing loading: 116 lb/ft²

Armament

Guns: None
Hardpoints: 5 total: 1× centerline/under-fuselage plus 4× under-wing pylon stations with a capacity of 18,000 pounds and provisions to carry combinations of:
Missiles: Up to 4× AGM-45 Shrike or AGM-88 HARM Anti-radiation missiles
Other:
Up to 4× 300 US gallons external drop tanks (only pylon stations 1, 2, 4, 5 are wet-plumbed)
Up to 5× AN/ALQ-99 Tactical Jamming System (TJS) external pods

Avionics

AN/ALQ-99 on board receiver (OBS), AN/ALQ-99 pod mounted jamming system (TJS)
USQ-113 communications jamming system



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Sport Aviation EAA Chapter 172 Membership Form

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EAA Number (if you belong to the national EAA): _____

If you're a pilot, your ratings: _____ Hours: _____

Aircraft owned, including tail number: _____

Please complete this form and return it to:

Don Bush, EAA 172 Treasurer
3076 Old Waynesboro Rd.
Hephzibah, Georgia 30815-6791

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Thank you for your support!

