



Air National Guard F-15EX Eagle II & F-35A Lightning II Operational Beddowns Environmental Impact Analysis Process



F-15EX

Primary Functions: Air superiority and strike in less or uncontested airspace.

Max G-Loading 9Gs
Ceiling 60,000 ft
Combat Radius 1,100 miles

Performance Specs



Mach
2.5



Mach
1.6

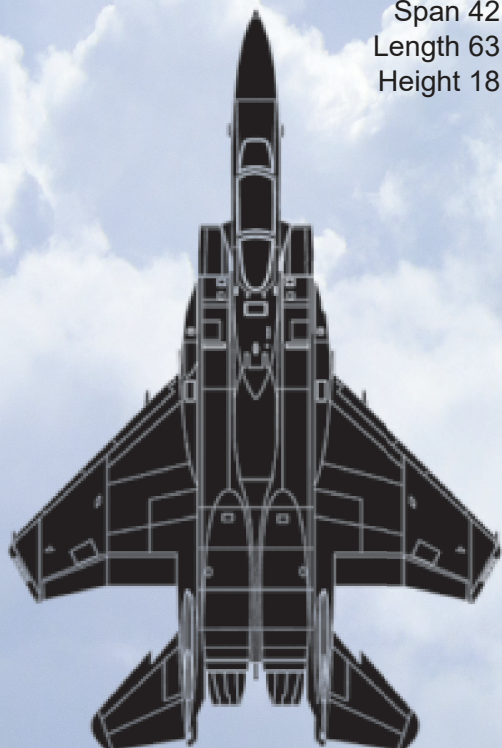
Max G-Loading 9Gs
Ceiling 50,000 ft
Combat Radius 670 miles

F-35A

Primary Functions: Stealthy, all-weather strike, close air support and air superiority; intelligence, surveillance, and reconnaissance; maritime strike; electronic warfare, and command and control.

Dimensions

Span 42.8 ft
Length 63.8 ft
Height 18.5 ft



Number of Aircrew



*Department of Air Force plans to operate with only the pilot

Fuel Capacity

Internal: 13,550 pounds
Conformal fuel tanks: 23,350 pounds
External: Three underwing and centerline hard points can accommodate fuel tanks



Internal: 18,250 pounds
External: Two fuel tanks on wing hard points

195-215 miles **Detection Range vs. S-400 Missile** **21 miles**



Weapons

All U.S. air-to-air weapons; most U.S. air-to-ground weapons; some "outsize" weapons, such as 5,000-pound GBU-28.

- Capacity: 29,500 pounds, all external, on nine stations
- 20 mm cannon

All U.S. air-to-air weapons; most U.S. air-to-ground weapons; some "outsize" weapons, such as 5,000-pound GBU-28.

- Internal Capacity (Stealth Mode): 5,700 pounds
- External Capacity (Beast Mode): 22,000 pounds
- 25 mm cannon

Dimensions

Span 35 ft
Length 51.4 ft
Height 14.4 ft

