



F-35A The World's Most Advanced Fighter

LOCKHEED MARTIN 

F-35A: The Right Choice for Allied Deterrence



BRINGING UNMATCHED AIR POWER

The F-35 strengthens national security, enhances global partnerships and powers economic growth. The most advanced node in a 21st Century Security network-centric architecture, the F-35 serves as a powerful force multiplier with advanced sensors and communications suites. Its 5th Generation capabilities make the F-35 the most survivable and connected fighter aircraft in the world, giving pilots an advantage against any adversary and enabling them to execute their mission and come home safely.

As threats advance and legacy aircraft age, the F-35 is critical to maintaining air dominance now and in the future.

PROVIDING THE WORLD'S ONLY 5TH GEN MULTI-ROLE STEALTH FIGHTER

The F-35 uses its advanced technology to successfully execute any mission, including those not traditionally fulfilled by legacy fighters. The jet's ability to collect, analyze and share data enhances all airborne, surface and ground-based assets in the battlespace.

Its 5th Generation capability is defined by the combination of Very Low Observable stealth, advanced sensors, information fusion and network connectivity – all packaged within in a supersonic, long range, highly maneuverable fighter.

STRENGTHENING GLOBAL SECURITY

The F-35A is the most common F-35 variant and is operated by the majority of F-35 customers, providing stability and value that is vital to key allies around the world. The growing community of F-35 nations enhances shared global deterrence through interoperability and collaboration.

The program's global growth ensures we have aircraft around the world to defend and deter. By 2030, there will be more than 550 F-35s in Europe. By 2025, there will be more than 300 F-35s in the Indo-Pacific region.



F-35A

Length.....	51.4 ft/15.7 m
Speed.....	Mach 1.6
Wingspan.....	35 ft/10.7 m
Wing Area.....	460 ft ² /42.7 m ²
Combat Radius (Internal Fuel).....	>590 n.mi/1,093 km
Range (Internal Fuel).....	>1,200 n.mi/2,200 km
Internal Fuel Capacity.....	18,250 lb/8,278 kg
Max G-Rating.....	9.0
Weapons Payload.....	18,000 lb/8,160 kg
Propulsion.....	F135-PW-100
Thrust*.....	40,000 lb Max/25,000 lb Mil

* Maximum Power [Max] = With Afterburner
Military Power [Mil] = Without Afterburner

MODERNIZING TO MAINTAIN THE ADVANTAGE

Block 4 upgrades provide the most significant evolution of capabilities to date for the F-35, including increased missile-carriage capacity, added advanced non-kinetic electronic warfare capabilities and improved target recognition.

Tech Refresh-3 (TR-3) is a mission systems upgrade that introduces open mission systems architecture and includes a new integrated core processor with greater computing power, an enhanced panoramic cockpit display, a larger memory unit and other classified capabilities.

DELIVERING SUSTAINMENT CAPABILITIES AND COST-EFFECTIVE PERFORMANCE

Lockheed Martin works across the life cycle, applying cutting-edge technology, data analytics, aggregate demand and business processes innovation to deliver cost-competitive, unparalleled 5th Generation F-35 capabilities. Sustainment solutions to support mission readiness across the F-35 fleet are flexible, tailored to meet customer needs and may include:

- Pilot and maintainer training
- Base and flight line operations
- Regional warehouses
- Repair and upgrade facilities
- 24/7 sustainment services
- Supply chain management
- Test and support equipment
- Autonomic Logistics Information System (ALIS)