F-35C

The World's Most Advanced Fighter

LOCKHEED MARTIN

F-35C: First-Ever 5th Gen Capability on the Carrier Deck

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BRINGING UNMATCHED AIR POWER

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.

THE WORLD'S ONLY 5TH GEN CARRIER AIRCRAFT

The F-35C, operated by the U.S. Department of the Navy, brings radar-evading stealth capability to the carrier deck for the first time in U.S. naval aviation history. With stealth technology, advanced sensors, supersonic speed, weapons capacity and superior range, the F-35C is the most advanced fighter to ever operate aboard a carrier deck.

STRENGTHENING GLOBAL SECURITY

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-35C

Length	51.5 ft/15.7 m
Speed	Mach 1.6
Wingspan	43 ft/13.1 m
Wing Area	668 ft²/62.1 m²
Combat Radius (Internal Fuel)	>600 n.mi/1,100 km
Range (Internal Fuel)	>1,200 n.mi/2,200 km
Internal Fuel Capacity	19,200 lb/8,708 kg
Max G-Rating	7.5
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 and 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)