



F-35C

BRINGING 5TH GENERATION CAPABILITY TO THE CARRIER

LOCKHEED MARTIN 
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F-35C – BRINGING 5TH GENERATION CAPABILITY TO THE CARRIER

Redefining the Multirole Fighter

The 5th generation F-35 Lightning II integrates advanced stealth technology into a highly agile, supersonic aircraft that provides the pilot with unprecedented situational awareness and unmatched lethality and survivability. As new threats emerge, it is more important than ever for U.S. and allied fighter fleets to fly the F-35 stealth fighter, the world's only 5th generation international aircraft. While each aircraft is uniquely designed to operate from different environments, all three variants set new standards in network-enabled mission systems, sensor fusion and supportability. The F-35 redefines the multirole fighter.

The World's Only 5th Generation Carrier Aircraft

For the first time in U.S. naval aviation history, radar-evading stealth capability comes to the carrier deck. The F-35C carrier variant sets new standards in weapon system integration, lethality, maintainability, combat radius and payload that bring true multimission power projection capability from the sea.



Ruggedized Stealth

Together, Lockheed Martin, Northrop Grumman and BAE Systems bring a wealth of maritime aircraft heritage and extensive experience fielding stealth aircraft. The F-35C combines lessons learned from previous aircraft with technology breakthroughs to produce a fighter that retains its stealthy advantage with minimal low observable maintenance, even in the harshest shipboard conditions.

Enhanced Asymmetric Advantage

The F-35C matches 5th generation survivability with major advances in network-enabled mission systems, reliability and interoperability. It is a first-day-of-the-war fighter with the capability to dominate adversaries in the air or on the surface, while surviving the most formidable threat environments.

F-35 Enterprise Sustainment

Lockheed Martin and key suppliers strive to provide affordable, world-class F-35 sustainment. It is flexible, tailored and compatible to meet the needs of all current and former customers. The key sustainment tenets encompass and align the entire F-35 air system, including:

- Air vehicle training
- Autonomic Logistics Information System
- Test equipment
- Support equipment



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Length	51.5 ft / 15.7 m
Speed	Mach 1.6
Wingspan	43 ft / 13.1 m
Wing area	668 ft ² / 62.1 m ²
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