



# F-35C

Bringing 5<sup>th</sup> Generation  
Capability to the Carrier



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Lockheed Martin. Your Mission is Ours.®

## LETHAL, SURVIVABLE, CONNECTED

The 5th Generation F-35 delivers Very Low Observable stealth, advanced sensors, information fusion and network connectivity – all packaged within a supersonic, long range, highly maneuverable fighter. It is the most lethal, 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 safe. As new threats emerge, it is more important than ever for U.S. and allied fighter fleets to fly the F-35 stealth fighter. 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 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. With stealth technology, advanced sensors, supersonic speed, weapons capacity and superior range, the F-35 is most advanced fighter to ever operate aboard a Carrier deck.

## 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. It is a first day, any day fighter with the capability to dominate adversaries in the air or on the surface, while surviving the most formidable threat environments.



### F-35C

Length.....	51.5 ft/15.7 m
Speed.....	Mach 1.6
Wingspan.....	43 ft/13.1 m
Wing Area.....	668 ft <sup>2</sup> /62.1 m <sup>2</sup>
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

## F-35 ENTERPRISE SUSTAINMENT

Lockheed Martin and key suppliers strive to provide affordable, world-class F-35 sustainment. The key sustainment tenets encompass and align the entire F-35 air system, including:

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