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.

Reduced Operation and Support Costs

The F-35C Lightning II redefines fighter support, starting with unprecedented reliability and durability requirements. Simplicity and ease of maintenance have been designed into the aircraft, and the need for support equipment is reduced. Logistics are streamlined and automated, and the F-35C is able to accomplish its missions with less support than required by legacy fighters.

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.

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

FG14-2603_001