



# F-35A

The World's Most Advanced Fighter



# F-35A Lethal. Survivable. Connected.

Lockheed Martin. Your Mission is Ours.®

## DELIVERING UNMATCHED AIR POWER

As adversaries advance and legacy aircraft age, the 5<sup>th</sup> generation F-35 is critical to maintaining air dominance now and for decades to come.

The F-35 strengthens national security, enhances global partnerships and powers economic growth. It is the most lethal, survivable and connected fighter aircraft in the world, giving pilots an advantage against any adversary, enabling them to execute their mission and come home safe.

## THE WORLD'S ONLY 5<sup>TH</sup> GENERATION MULTIROLE STEALTH FIGHTER

5<sup>th</sup> 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.

As the most common variant, the F-35A is operated by the United States Air Force and the majority of F-35 international nations.

With its advanced technology, the F-35 is a multi-role fighter capable of successfully executing any and all mission, including new missions not traditionally fulfilled by legacy fighters. More than a fighter jet, the F-35's ability to collect, analyze and share data, is a powerful force multiplier that enhances all airborne, surface and ground-based assets in the battlespace.



### F-35A

Length.....	51.4 ft/15.7 m
Speed.....	Mach 1.6
Wingspan.....	35 ft/10.7m
Wing Area.....	460 ft <sup>2</sup> /42.7 m <sup>2</sup>
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

## GLOBAL PARTNERSHIPS

The F-35's world-class supplier network helps develop high-technology skills and create jobs throughout the world. This interconnected group of global industries enables each company to grow substantially – both in work volume and technical expertise – as the program continues toward full-rate production of the most revolutionary multirole fighter in aviation history.

## F-35 GLOBAL PARTNERSHIP BENEFITS

- Strategic commitments
- Long-term stability
- 5<sup>th</sup> generation capability
- Affordable sustainment
- Industrial participation
- Improved interoperability
- Joint coalition warfighting capabilities

## 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:

- 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)