

F-35 Lightning II Program Status and Fast Facts

Program Status











9 Nations Operating F-35s on Home Soil



10 Services Declared IOC



Have Conducted F-35 Operational Missions



USMC



6 Services









- Royal Norwegian Air Force F-35As arrive in Iceland for NATO air policing mission. February 22
- The 34th Fighter Generation Squadron completes exercise Red Flag 21-1 without missing a single F-35A sortie to a maintenance issue. February 17
- U.S. Marine Corps F-35Bs conduct "long-range strike operations" from amphibious assault ship USS Makin Island in the Arabian Gulf. February 13
- Italian aircraft carrier ITS Cavour arrives in the U.S. for Italian Navy F-35B flight certification trials. February 13
- U.S. Air Force F-35As fly more than 4,700 miles from Alaska to Guam for the aircraft's debut at exercise Cope North 2021. February 6

Program Cost LRIP 12-14 Cost

	Lot 12	Lot 13	Lot 14	% Reduction from Lot 11
F-35A	\$82.4M	\$79.2M	\$77.9M	\$ 12.8%
F-35B	\$108.0M	\$104.8M	\$101.3M	\$ 12.3%
F-35C	\$103.1M	\$98.1M	\$94.4M	\$ 13.2%

Greater than 70% unit cost reduction since Lot 1

F-35 Sustainment

Cost Per Flight Hour since 2015

Mission Capable Rates

Transition to ODIN Reduction in hardware footprint

Program of Record















Netherlands 46 F-35As



100 F-35As IOC: 12/20



Norway 52 F-35As IOC: 11/19



Foreign Military Sales





Japan 105 F-35As/42 F-35Bs IOC: 3/19



Republic of Korea 40 F-35As

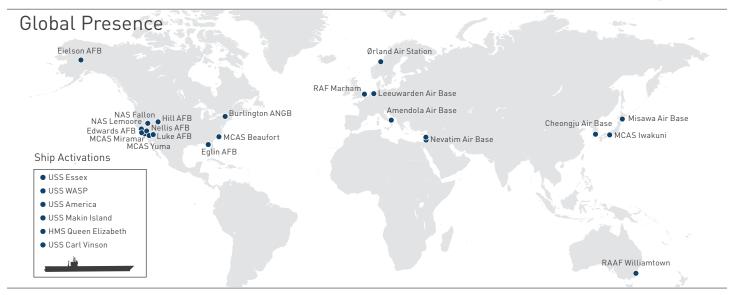


Belgium 34 F-35As



Singapore 4 F-35Bs





Economic Impact

- 1,900+ top-tier suppliers around the globe, including more than 1,800 U.S. and Puerto Rico based suppliers.
- Final Assembly factories in Fort Worth, Texas; Cameri, Italy; and Nagoya, Japan
- Suppliers located in 48 U.S. states and Puerto Rico
- Over 254,000 direct and indirect jobs supported in the US
- Over \$49 billion total economic impact in the US



F-35 Lightning II Specs	<u>F-35A</u>	F-35B	F-35C
Length	51.4 ft / 15.7 m	51.2 ft / 15.6 m	51.5 ft / 15.7 m
Height	14.4 ft / 4.38 m	14.3 ft / 4.36 m	14.7 ft / 4.48 m
Wingspan	35 ft / 10.7 m	35 ft / 10.7 m	43 ft / 13.1 m
Wing area	460 ft2 / 42.7 m2	460 ft2 / 42.7 m2	668 ft2 / 62.1 m2
Horizontal tail span	22.5 ft / 6.86 m	21.8 ft / 6.65 m	26.3 ft / 8.02 m
Weight empty	29,300 lb	32,300 lb	34,800 lb
Internal fuel capacity	18,250 lb / 8278 kg	13,500 lb / 6,125 kg	19,750 lb / 8,960kg
Weapons payload	18,000 lb / 8,160 kg	15,000 lb / 6,800kg	18,000 lb / 8,160 kg
Standard internal weapons load	 25 mm GAU-22/A cannon Two AIM-120C/D air-to-air missiles Two 2,000-pound GBU-31 JDAM guided bombs 	 Two AIM-120C/D air-to-air missiles Two 1,000-pound GBU-32 JDAM guided bombs 	 Two AIM-120C/D air-to-air missiles Two 2,000-pound GBU-31 JDAM guided bombs
Maximum weight	70,000 lb class	60,000 lb class	70,000 lb class
Propulsion* (uninstalled thrust ratings)	F135-PW-100 40,000 lb Max. 25,000 lb Mil. Vertical N/A	F135-PW-600 40,000 lb Max. 25,000 lb Mil. 40,500 lb Vertical	F135-PW-100 40,000 lb Max. 25,000 lb Mil. Vertical N/A
Speed (full internal weapons load)	Mach 1.6 (~1,200 mph)	Mach 1.6 (~1,200 mph)	Mach 1.6 (~1,200 mph)
Combat radius (internal fuel)	>590 nm / 1,093 km (USAF profile)	>450 nm / 833 km (USMC profile)	>600 nm / 1,100 km (USN profile)
Range (internal fuel)	>1,200 nm / 2,200 km (USAF profile)	>900 nm / 1,667 km (USMC profile)	>1,200 nm / 2,200 km (USN profile)
Max g-rating	9.0	7.0	7.5