F-35 Lightning II Program Status and Fast Facts

**Program Status**

- 535+ Aircraft Delivered
- 9 Nations Operating F-35s on Home Soil
- 8 Services Declared IOC
  - USAF, USN and USMC
- 6 Services Have Conducted F-35 Operational Missions
  - USAF, USMC

**Flight Hours**

- 290,001

**Bases Worldwide**

- 1,040+ Pilots
- 9,340+ Maintainers

**Recent Milestones**

- Misawa Air Base demonstrates its combat readiness in first joint, bilateral Elephant Walk. **June 23**
- The Danish Defence Command hosts groundbreaking ceremony for the F-35 Complex at Air Base Skydstrup. **June 15**
- U.S. Navy and U.S. Marine Corps pilots from Strike Fighter Squadron (VFA) 125 and VFA-147 become first TOPGUN students to graduate from the course in the F-35C. **June 12**
- U.S. Air Force pilot Capt. Emily “Banzai” Thompson becomes the first woman to fly a combat mission in the F-35A. **June 11**
- F-35s from the United Kingdom’s famous 617 Squadron land on the HMS Queen Elizabeth for the first time. **June 9**

**Program Cost \( LRIP 12-14 \) Cost**

<table>
<thead>
<tr>
<th></th>
<th>F-35A</th>
<th>F-35B</th>
<th>F-35C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot 12</td>
<td>$82.4M</td>
<td>$108.0M</td>
<td>$103.1M</td>
</tr>
<tr>
<td>Lot 13</td>
<td>$79.2M</td>
<td>$104.8M</td>
<td>$98.1M</td>
</tr>
<tr>
<td>Lot 14</td>
<td>$77.9M</td>
<td>$101.3M</td>
<td>$94.4M</td>
</tr>
<tr>
<td>% Reduction from Lot 11</td>
<td>12.8%</td>
<td>12.3%</td>
<td>13.2%</td>
</tr>
</tbody>
</table>

Greater than 70% unit cost reduction since Lot 1

**F-35 Production**

- 2011: 9
- 2012: 29
- 2013: 35
- 2014: 36
- 2015: 45
- 2016: 46
- 2017: 66
- 2018: 91
- 2019: 131

+3

**Program of Record**

- U.S.A. USAF 1,763 F-35As
  - DoN 693 F-35B/Cs
  - IOC: USMC: 7/15, USAF 8/16, USN 2/19
- U.K. RAF/RN 138 F-35s
  - IOC: 1/19
- Italy
  - 60 F-35As/30 F-35Bs
  - IOC: 12/18
- Netherlands
  - 46 F-35As
- Australia
  - 100 F-35As
- Norway
  - 52 F-35As
  - IOC: 11/19
- Denmark
  - 27 F-35As
- Canada
  - 88 F-35As
- Israel
  - 50 F-35As
  - IOC: IAF: 12/17
- Japan
  - 105 F-35As/62 F-35Bs
  - IOC: 3/19
- Republic of Korea
  - 40 F-35As
- Belgium
  - 34 F-35As
- Poland
  - 52 F-35As

**Foreign Military Sales**

- Belgium
  - 34 F-35As
- Italy
  - 60 F-35As/30 F-35Bs
  - IOC: 12/18
- Netherlands
  - 46 F-35As
- Australia
  - 100 F-35As
- Norway
  - 52 F-35As
  - IOC: 11/19
- Denmark
  - 27 F-35As
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Global Presence

Eielson AFB
NAS Lemoore
Eglin AFB
Burlington ANGB
RAF Marham
Orland Air Station
Leeuwarden Air Base
Amendola Air Base
Nevatim Air Base
Misawa Air Base
Cheongju Air Base
MCAS Beaufort
MCAS Miramar
MCAS Iwakuni
MCAS Yuma
RAF Williamtown
Ørland Air Station
Amendola Air Base
Leeuwarden Air Base
Nevatim Air Base
MCAS Beaufort
Luke AFB
Nellis AFB
Hill AFB
Edwards AFB
MCAS Miramar
MCAS Yuma

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 $49B billion of total economic impact in the US

F-35 Lightning II Specs

<table>
<thead>
<tr>
<th></th>
<th>F-35A</th>
<th>F-35B</th>
<th>F-35C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>51.4 ft / 15.7 m</td>
<td>51.2 ft / 15.6 m</td>
<td>51.5 ft / 15.7 m</td>
</tr>
<tr>
<td>Height</td>
<td>14.4 ft / 4.38 m</td>
<td>14.3 ft / 4.36 m</td>
<td>14.7 ft / 4.48 m</td>
</tr>
<tr>
<td>Wingspan</td>
<td>35 ft / 10.7 m</td>
<td>35 ft / 10.7 m</td>
<td>43 ft / 13.1 m</td>
</tr>
<tr>
<td>Wing area</td>
<td>460 ft² / 42.7 m²</td>
<td>460 ft² / 42.7 m²</td>
<td>668 ft² / 62.1 m²</td>
</tr>
<tr>
<td>Horizontal tail span</td>
<td>22.5 ft / 6.86 m</td>
<td>21.8 ft / 6.65 m</td>
<td>26.3 ft / 8.02 m</td>
</tr>
<tr>
<td>Weight empty</td>
<td>29,300 lb</td>
<td>32,300 lb</td>
<td>34,800 lb</td>
</tr>
<tr>
<td>Internal fuel capacity</td>
<td>18,250 lb / 8,278 kg</td>
<td>13,500 lb / 6,125 kg</td>
<td>19,750 lb / 8,960 kg</td>
</tr>
<tr>
<td>Weapons payload</td>
<td>18,000 lb / 8,160 kg</td>
<td>15,000 lb / 6,800 kg</td>
<td>18,000 lb / 8,160 kg</td>
</tr>
<tr>
<td>Standard internal weapons load</td>
<td>25 mm GAU-22/A cannon</td>
<td>Two AIM-120C/D air-to-air missiles</td>
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</tr>
<tr>
<td></td>
<td>Two 2,000-pound GBU-31 JDAM guided bombs</td>
<td>Two 1,000-pound GBU-32 JDAM guided bombs</td>
<td>Two 2,000-pound GBU-31 JDAM guided bombs</td>
</tr>
<tr>
<td>Maximum weight</td>
<td>70,000 lb class</td>
<td>60,000 lb class</td>
<td>70,000 lb class</td>
</tr>
<tr>
<td>Propulsion*</td>
<td>F135-PW-100 40,000 lb Max. 25,000 lb Mil. Vertical N/A</td>
<td>F135-PW-600 40,000 lb Max. 25,000 lb Mil. Vertical N/A</td>
<td>F135-PW-100 40,000 lb Max. 25,000 lb Mil. Vertical N/A</td>
</tr>
<tr>
<td>Speed (full internal weapons load)</td>
<td>Mach 1.6 (~1,200 mph)</td>
<td>Mach 1.6 (~1,200 mph)</td>
<td>Mach 1.6 (~1,200 mph)</td>
</tr>
<tr>
<td>Combat radius (internal fuel)</td>
<td>&gt;590 nm / 1,093 km [USAF profile]</td>
<td>&gt;450 nm / 833 km [USMC profile]</td>
<td>&gt;600 nm / 1,100 km [USN profile]</td>
</tr>
<tr>
<td>Range (internal fuel)</td>
<td>&gt;1,200 nm / 2,200 km [USAF profile]</td>
<td>&gt;900 nm / 1,667 km [USMC profile]</td>
<td>&gt;1,200 nm / 2,200 km [USN profile]</td>
</tr>
<tr>
<td>Max g-rating</td>
<td>9.0</td>
<td>7.0</td>
<td>7.5</td>
</tr>
</tbody>
</table>

All information current as of July 1, 2020
For additional questions and the latest data, please contact Laura Siebert or Brett Ashworth.