F-35 Lightning II Program Status and Fast Facts

Program Status

- **Flight Hours**: 2,050,001
- **Bases worldwide**: 840+
- **Pilots**: 8,040+
- **Maintainers**: 8,040+
- **Aircraft delivered**: 410+

Recent Milestones

- Royal Air Force F-35Bs deploy to Amendola Air Base, Italy for bilateral training with the Italian Air Force. [July 3]
- Royal Air Force F-35Bs conducts first operational mission in support of Operation Shader. [June 25]
- The United States, United Kingdom and Israel participate in F-35 Exercise Tri-Lightning over the Eastern Mediterranean Sea. [June 26]
- Hill AFB’s F-35 fighter wings demonstrate global reach, operating from nine counties in seven days. [June 18]
- Joint government and industry team wins prestigious Collier Award Trophy for life-saving AutoGCAS tech. [June 13]
- U.S. Marine Corps F-35B conducts first-time flyover above White House. [June 12]
- Pentagon and Lockheed Martin Reach Handshake Agreement for Lowest Cost F-35s in History. [June 11]
- F-35 enterprise delivers 400th F-35 and fleet surpasses 200,000 flight hours. [June 3]
- The Polish government announces plans to move forward with a Letter of Request for 32 F-35As. [May 28]
- Royal Air Force F-35Bs deploy to RAF Akrotiri, Cyprus, as part of a six-week deployment for Exercise Lightning Dawn. [May 24]
- U.S. Air Force F-35As deploy to Europe as part of a Theater Security Package. [June 18]
- The U.S. Air Force reactivates aggressor squadron for F-35 training at Nellis Air Force Base, Nevada. [May 9]

Program Cost

**LRIP 11 Cost**

- F-35A: $89.2M
- F-35B: $115.5M
- F-35C: $107.7M

Total Aircraft Quantities LRIP 1-11: 501

Cost Reduction Statistics

- More than 60% reduction in Unit Recurring Flyaway cost since Lot 1.
- More than 5% reduction in Unit Recurring Flyaway since previous contract.
- Blueprint for Affordability efforts projected to save more than $6 billion over the life of the program.
- As production ramps and additional improvements are implemented, Lockheed Martin’s goal is to reduce the cost of an F-35A to $80 million by 2020, which is equal to or less than the cost of legacy aircraft while providing a generational leap in capability.

Program of Record

- **U.S.A.**
  - USAF: 1,763 F-35As
  - DoN: 493 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**
  - 37 F-35As
- **Turkey**
  - 100 F-35As
- **Australia**
  - 100 F-35As
- **Norway**
  - 52 F-35As
- **Canada**
  - 98 F-35As
- **Israel**
  - 50 F-35As
  - IOC: IAF: 12/17
- **Japan**
  - 105 F-35As/42 STOVL
  - IOC: 3/19
- **Republic of Korea**
  - 40 F-35As
- **Belgium**
  - 54 F-35As
**Economic Impact**
- 1,500+ top tier suppliers around the globe, including more than 1,400 U.S. and Puerto Rico-based suppliers.
- Final Assembly factories in Fort Worth, Texas; Cameri, Italy; and Nagoya, Japan
- Suppliers located in 45 U.S. states and Puerto Rico
- Over 220,000 direct and indirect jobs supported in the US
- Over $44.2 billion of total economic impact

**F-35 Production**
*Planned delivery quantities beyond 2018 are approximate based on the current F-35 production profile.*

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<tr>
<td>1,500+ SUPPLIERS</td>
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**F-35 Lightning II Specs**

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<tr>
<th>F-35A</th>
<th>F-35B</th>
<th>F-35C</th>
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<tbody>
<tr>
<td><strong>Length</strong></td>
<td>51.4 ft / 15.7 m</td>
<td>51.2 ft / 15.6 m</td>
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<tr>
<td><strong>Height</strong></td>
<td>14.4 ft / 4.38 m</td>
<td>14.3 ft / 4.36 m</td>
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<td><strong>Wingspan</strong></td>
<td>35 ft / 10.7 m</td>
<td>35 ft / 10.7 m</td>
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<td><strong>Wing area</strong></td>
<td>460 ft² / 42.7 m²</td>
<td>460 ft² / 42.7 m²</td>
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<td><strong>Horizontal tail span</strong></td>
<td>22.5 ft / 6.86 m</td>
<td>21.8 ft / 6.65 m</td>
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<td><strong>Weight empty</strong></td>
<td>29,300 lb</td>
<td>32,300 lb</td>
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<td><strong>Internal fuel capacity</strong></td>
<td>18,250 lb / 8278 kg</td>
<td>13,500 lb / 6,125 kg</td>
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<td><strong>Weapons payload</strong></td>
<td>18,000 lb / 8,160 kg</td>
<td>15,000 lb / 6,800 kg</td>
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<td><strong>Standard internal weapons load</strong></td>
<td>• 25 mm GAU-22/A cannon  • Two AIM-120C/D air-to-air missiles  • Two 2,000-pound GBU-31 JDAM guided bombs</td>
<td>• Two AIM-120C/D air-to-air missiles  • Two 1,000-pound GBU-32 JDAM guided bombs</td>
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<tr>
<td><strong>Maximum weight</strong></td>
<td>70,000 lb class</td>
<td>60,000 lb class</td>
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<tr>
<td><em><em>Propulsion</em> (uninstalled thrust ratings)</em>*</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.  40,500 lb vertical</td>
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<tr>
<td><strong>Speed (full internal weapons load)</strong></td>
<td>Mach 1.6 (~1,200 mph)</td>
<td>Mach 1.6 (~1,200 mph)</td>
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<td><strong>Combat radius (internal fuel)</strong></td>
<td>&gt;590 nm / 1,093 km (USAF profile)</td>
<td>&gt;650 nm / 833 km (USMC profile)</td>
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<tr>
<td><strong>Range (internal fuel)</strong></td>
<td>&gt;1,200 nm / 2,200 km (USAF profile)</td>
<td>&gt;900 nm / 1,667 km (USMC profile)</td>
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<tr>
<td><strong>Max g-rating</strong></td>
<td>9.0</td>
<td>7.0</td>
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All information current as of July 10, 2019
For additional questions and the latest data, please contact Carolyn Nelson or Mike Friedman