F-35 LIGHTNING II PROGRAM STATUS AND FAST FACTS

PROGRAM STATUS

310+ AIRCRAFT DELIVERED

150,000+ FLIGHT HOURS

15 BASES WORLDWIDE

665+ PILOTS

6,000+ MAINTENERS

RECENT MILESTONES

• 5 More F-35B Aircraft Land in the United Kingdom at RAF Marham. [August 3]
• First South Korean Air Force F-35A Pilot Takes Flight. [July 24]
• Lockheed Martin Hires 1,800 Employees, Plans to Add 400 to Support F-35 Ramp. [July 23]
• F-35 Participates in Made in America Event on White House Lawn. [July 23]
• F-35s Participate at The Royal International Air Tattoo. [July 13]
• F-35Bs Participate in RAF 100 Fly-Past. [July 10]
• USMC F-35Bs Deploy Aboard the USS Essex. [July 10]
• Luke Air Force Base Flies 20,000th F-35 Sortie. [June 27]
• Three More Israeli F-35s Arrive at Nevatim Air Base, Israel. [June 25]
• Turkey’s first F-35 Rolls Out at Lockheed Martin in Fort Worth. [June 21]
• Lockheed Martin Selects Raytheon To Deliver Next Generation F-35 Sensor System. [June 13]
• Pentagon and Lockheed Martin Deliver 300th F-35 Aircraft. [June 11]
• F-35Bs Arrive Home to the United Kingdom at RAF Marham. [June 6]
• Royal Australian Air Force Team F-35 Team Flies Their 1,000th Sortie. [June 4]

PROGRAM COST

LRIP 10 Cost

F-35A $94.3 M
F-35B $122.4 M
F-35C $121.2 M

Total Aircraft Quantities LRIP 1-10: 358

Cost Reduction Statistics

• More than 60% reduction in Unit Recurring Flyway cost since Lot 1
• 8% reduction in Unit Recurring Flyway since previous contract
• Blueprint for Affordability is delivering projected savings of more than $4 billion over the life of the program
• Second phase of the Blueprint for Affordability is projected to save an additional $2 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.

PROGRAM OF RECORD

FOREIGN MILITARY SALES

U.S.A.
USAF 1,763 F-35As
DoD 693 F-35B/Cs
IOC USMC: 7/15, USAF 8/16

U.K.
RAF/RAF 138 F-35s

Italy
60 F-35As/30 F-35Bs

Netherlands
37 F-35As

Turkey
100 F-35As

Australia
100 F-35As

Norway
52 F-35As

Denmark
27 F-35As

Canada
88 F-35As

Israel
50 F-35As
IOC: IAF: 12/17

Japan
42 F-35As

Republic of Korea
40 F-35As
**ECONOMIC IMPACT**

- 1,600 top tier suppliers around the globe, including more than 1,500 U.S.-based suppliers.
- Final Assembly factories in Fort Worth, Texas; Cameri, Italy; and Nagoya, Japan
- Suppliers located in 46 U.S. states and Puerto Rico
- 194,000 direct and indirect jobs supported in the US
- $31 billion of annual U.S. economic impact

**F-35 PRODUCTION**

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

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**F-35 LIGHTNING II SPECS**

<table>
<thead>
<tr>
<th></th>
<th>F-35A</th>
<th>F-35B</th>
<th>F-35C</th>
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</thead>
<tbody>
<tr>
<td><strong>Length</strong></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><strong>Height</strong></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><strong>Wingspan</strong></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><strong>Wing area</strong></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><strong>Horizontal tail span</strong></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><strong>Weight empty</strong></td>
<td>29,300 lb</td>
<td>32,300 lb</td>
<td>34,800 lb</td>
</tr>
<tr>
<td><strong>Internal fuel capacity</strong></td>
<td>18,250 lb / 8278 kg</td>
<td>13,500 lb / 6,125 kg</td>
<td>19,750 lb / 8,960 kg</td>
</tr>
<tr>
<td><strong>Weapons payload</strong></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><strong>Standard internal weapons load</strong></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 AIM-120C/D air-to-air missiles</td>
<td>• Two 2,000-pound GBU-31 JDAM guided bombs</td>
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</tr>
<tr>
<td><strong>Maximum weight</strong></td>
<td>70,000 lb class</td>
<td>60,000 lb class</td>
<td>70,000 lb class</td>
</tr>
<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>
<td>F135-PW-100 40,000 lb Max. 25,000 lb Mil. Vertical N/A</td>
</tr>
<tr>
<td><strong>Speed (full internal weapons load)</strong></td>
<td>Mach 1.6 (~1,200 mph)</td>
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</tr>
<tr>
<td><strong>Combat radius (internal fuel)</strong></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><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>
<td>&gt;1,200 nm / 2,200 km (USN profile)</td>
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<tr>
<td><strong>Max g-rating</strong></td>
<td>9.0</td>
<td>7.0</td>
<td>7.5</td>
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All information current as of August 13, 2018

For additional questions and the latest data, please contact Carolyn Nelson or Mike Friedman