March 1, 2021

F-35 Lightning II Program Status and Fast Facts

**Program Status**

- **Flight Hours**: 3,680,001
- **Bases Worldwide**: 27
- **Pilots**: 1,270+
- **Maintainers**: 10,150+
- **Aircraft Delivered**: 620+
- **9 Nations Operating F-35s on Home Soil**
- **10 Services Declared IOC**
- **6 Services Have Conducted F-35 Operational Missions**

**Recent Milestones**

- 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**

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

**Greater than 70% unit cost reduction since Lot 1**

**F-35 Sustainment**

- **Cost Per Flight Hour**: 40% Reduction since 2015
- **Mission Capable Rates**: 70%
- **Transition to ODIN**: 80% Reduction in hardware footprint

**Program of Record**

- **U.S.A.** USAF 1,763 F-35As
  - DoD: 693 F-35B/Cs
  - IOC: USMC: 2/15, USAF: 8/16, USN: 2/19
- **U.K.** RAF/RN 138 F-35s
  - IOC RAF: 1/19, qIOC RN: 12/20
- **Italy** 60 F-35As/30 F-35Bs
  - IOC: 12/18
- **Netherlands** 46 F-35As
  - IOC: 12/20
- **Australia** 100 F-35As
  - IOC: 12/20
- **Norway** 52 F-35As
  - IOC: 11/19
- **Denmark** 27 F-35As
- **Canada** 88 F-35As
  - IOC: 12/17
- **Israel** 50 F-35As
  - IOC: IAF: 12/17
- **Japan** 105 F-35As/42 F-35Bs
  - IOC: 3/19
- **Republic of Korea** 40 F-35As
  - IOC: 3/17
- **Belgium** 34 F-35As
  - IOC: 12/17
- **Poland** 32 F-35As
  - IOC: 11/19
- **Singapore** 4 F-35Bs

**Foreign Military Sales**
### 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

<table>
<thead>
<tr>
<th></th>
<th>F-35A</th>
<th>F-35B</th>
<th>F-35C</th>
</tr>
</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 / 8,278 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>
</tbody>
</table>
| **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** | 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) |
| **Range (internal fuel)** | >1,200 nm / 2,200 km (USAF profile) |
| **Max g-rating** | 9.0 | 7.0 | 7.5 |

All information current as of March 1, 2021
For additional questions and the latest data, please contact Laura Siebert or Brett Ashworth.