F-35 Lightning II Program Status and Fast Facts

Program Status

- 595+ Aircraft Delivered
- 34,500+ Flight Hours
- 1,210+ Bases Worldwide
- 9,950+ Pilots
- 9 Nations Operating F-35s on Home Soil
- 8 Services Declared IOC
- 6 Services Have Conducted F-35 Operational Missions

Recent Milestones

- Royal Netherlands Air Force conducts first domestic F-35 deployment during exercise Frisian Lightning II. November 24
- Royal Australian Air Force participates in Exercise Lightning Spear at Eglin Air Force Base, Florida. November 20
- U.S. Government submits response to the government of Switzerland’s New Fighter Aircraft competition. November 19
- Israeli Air Force receives first experimental test aircraft at Tel-Nof Air Force Base, Rehovot, Israel. November 11
- U.S. Navy certifies F-35Cs safe for flight at Naval Air Station Fallon. November 10

Program Cost LRIP 12-14 Cost

<table>
<thead>
<tr>
<th>Aircraft Type</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>
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</tbody>
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Greater than 70% unit cost reduction since Lot 1

F-35 Production

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>F-35</td>
<td>9</td>
<td>29</td>
<td>35</td>
<td>36</td>
<td>45</td>
<td>46</td>
<td>66</td>
<td>91</td>
<td>131</td>
</tr>
</tbody>
</table>

Program of Record

- U.S.A. USAF 1,763 F-35As
- U.K. RAF/RN 138 F-35s
- Italy 60 F-35As/30 F-35Bs
- Netherlands 46 F-35As
- Australia 100 F-35As
- Norway 52 F-35As
- Denmark 27 F-35As
- Canada 88 F-35As
- Israel 50 F-35As
- Japan 105 F-35As
- Republic of Korea 40 F-35As
- Belgium 34 F-35As
- Poland 32 F-35As
- Singapore 4 F-35Bs

Foreign Military Sales

- Belgium
- Poland
- Singapore
- Japan
- Republic of Korea
- Israel
- Canada
- Netherlands
- Australia
- Norway
- Denmark
- Italy
- U.K.
- U.S.A.

+3
Global Presence

- NAS Lemoore
- Eielson AFB
- Edwards AFB
- MCAS Miramar
- MCAS Yuma
- Hill AFB
- Luke AFB
- Eglin AFB
- Luke AFB
- Orlando Air Station
- RAF Marham
- Leeuwarden Air Base
- Amendola Air Base
- Nevatim Air Base
- Cheongju Air Base
- Misawa Air Base
- MCAS Beaufort
- Eglin AFB
- Nellis AFB
- RAAF Williamtown
- Luke AFB
- Hill AFB
- Luke AFB
- Orlando Air Station
- RAF Marham
- Leeuwarden Air Base
- Amendola Air Base
- Nevatim Air Base
- Cheongju Air Base
- Misawa Air Base
- MCAS Beaufort
- Eglin AFB
- Nellis AFB
- RAAF Williamtown

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>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>
<td>• Two AIM-120C/D air-to-air missiles</td>
</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* (uninstalled thrust ratings)</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>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>
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