F-35 Lightning II Program Status and Fast Facts

Program Status

Flight Hours

610+
Aircraft Delivered

Bases Worldwide

1,255+
Pilots

10,030+
Maintainers

9 Nations
Operating F-35s on Home Soil

10 Services
Declared IOC

6 Services
Have Conducted F-35 Operational Missions

Recent Milestones

- The United Kingdom’s Ministry of Defense declares maritime initial operational capability for the Royal Navy. January 4
- Royal Australian Air Force declares initial operational capability for its F-35 fleet. December 28
- Lockheed Martin delivers 123 aircraft in 2020, despite COVID-19 impacts. December 28
- U.S. Air Force exercises rapid combat readiness at Eielson Air Force Base, Alaska, demonstrating its arctic capability. December 22
- Marine Corps F-35Cs make first arrested landings at an expeditionary airfield. December 9

Program Cost LRIP 12-14 Cost

F-35A
Lot 12 $82.4M Lot 13 $79.2M Lot 14 $77.9M 12.8%

F-35B
$108.0M $104.8M $101.3M 12.3%

F-35C
$103.1M $98.1M $94.4M 13.2%

Greater than 70% unit cost reduction since Lot 1

F-35 Production


134 91 66 46 45 44 41 36 35 9

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 IOC RN: 12/20

Italy 60 F-35As/30 F-35Bs IOC: 12/18

Netherlands 46 F-35As

Australia 100 F-35As IOC: 12/20

Norway 52 F-35As IOC: 11/19

Denmark 27 F-35As

Canada 88 F-35As IOC: 1/17

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

Japan 105 F-35As IOC: 3/19

Republic of Korea 40 F-35As

Belgium 34 F-35As

Poland 32 F-35As

Singapore 4 F-35Bs
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

Global Presence

Ship Activations

- USS Essex
- USS WASP
- USS America
- USS Makin Island
- HMS Queen Elizabeth

E-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>
<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>
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</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>
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<tr>
<td>Max g-rating</td>
<td>9.0</td>
<td>7.0</td>
<td>7.5</td>
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