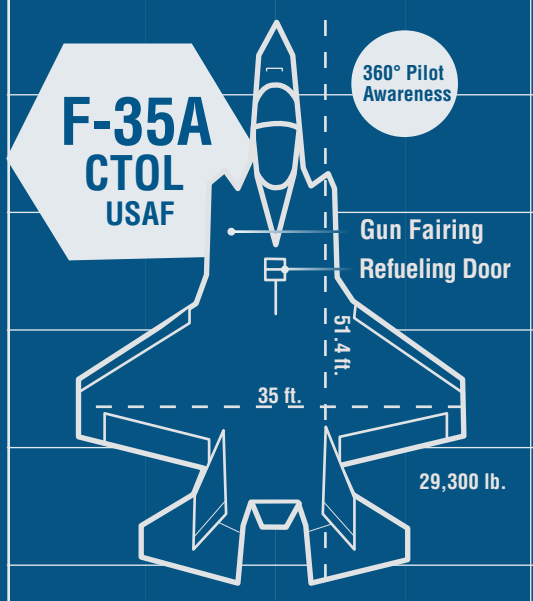
F-35A CTOL USAF

The only 5th-generation multirole stealth fighter.



Conventional Takeoff & Landing

*Equipped for precision approach and landing using JPALS

Internal Capacity (Contested Battlespace):
5,400 lb.

Internal Weapon Options:

- 1 GAU-22 25mm cannon
- 4 AIM-120
- 2 AIM-120 & 2 GBU-12
- 2 AIM-120 & 2 GBU-31
- 2 AIM-120 & 2 GBU-49
- 2 AIM-120 & 2 JSOW
- 2 AIM-120 & 2 JSM
- 2 AIM-120 & 8 SDB-I
- 2 AIM-120 & 8 StormBreakers (planned integration)

Internal and External Capacity (Permissive Environment):
18,000 lb.

External Weapon Options:

- 2 AIM-9X
- 4 GBU-12
- 4 GBU-49

WEAPONS CAPACITY

590 nm — 1,093 km

COMBAT RADIUS

1,200 nm

RANGE

18,250 lb.

FUEL CAPACITY

Max. weight: **70,000 lb.**
Wing area: **460 FT.²**
Height: **14.4 FT.**
Horizontal tail span: **22.5 FT.**
Propulsion & thrust: **F135-PW-100**
(40,000 lb. max., 25,000 lb. mil., vertical n/a)

9.0

MAX G-RATING

1,763

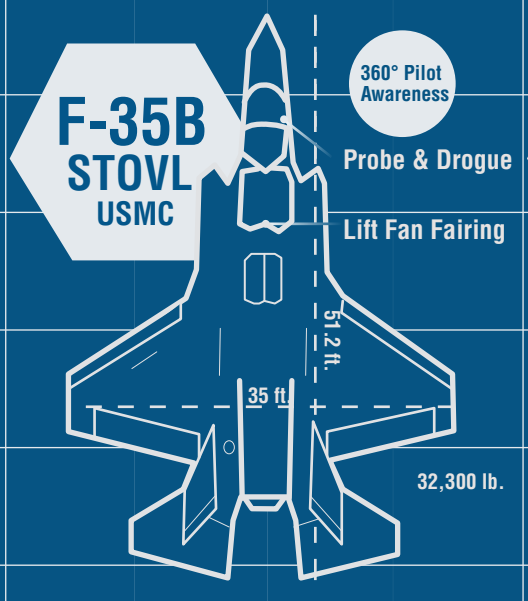
US PLANNED QUANTITIES

$94.3M

PRICE

F-35B STOVL USMC

The only supersonic stealth STOVL aircraft, uses a patented shaft-driven LiftFan® propulsion system.



Short Takeoff, Vertical Landing

*Equipped for precision approach and landing using JPALS

Internal Capacity (Contested Battlespace):
3,500 lb.

Internal Weapon Options:

- 4 AIM-120
- 2 AIM-120 & 2 GBU-12
- 2 AIM-120 & 2 GBU-32
- 2 AIM-120 & 2 GBU-49
- 2 AIM-120 & 8 StormBreakers (planned integration)

Internal and External Capacity (Permissive Environment):
15,000 lb.

External Weapon Options:

- 2 AIM-9X
- 4 GBU-12
- 4 GBU-49
- 2 JSOW
- 1 GAU-22 25mm cannon

450 nm — 833 km

900 nm

13,500 lb.

Max. weight: **60,000 lb.**
Wing area: **460 FT.²**
Height: **14.3 FT.**
Horizontal tail span: **21.8 FT.**
Propulsion & thrust: **F135-PW-600**
(40,000 lb. max., 25,000 lb. mil., 40,500 lb. vertical)

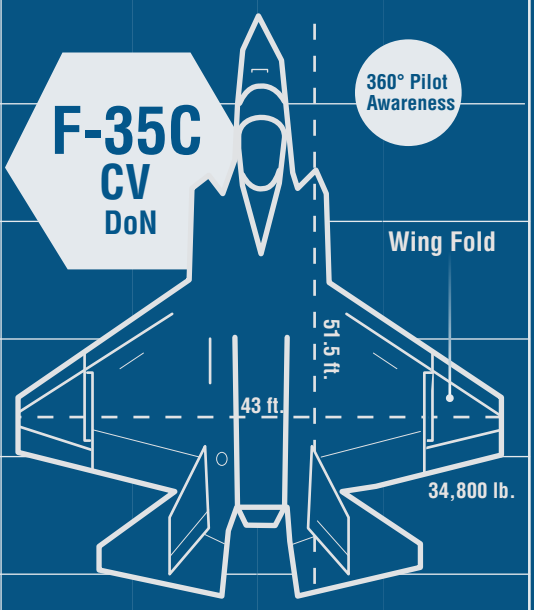
7.0

353

$122.4M

F-35C CV DoN

The only 5th-generation carrier aircraft.



Carrier Variant

*Equipped for precision approach and landing using JPALS

Internal Capacity (Contested Battlespace):
5,400 lb.

Internal Weapon Options:

- 4 AIM-120
- 2 AIM-120 & 2 GBU-12
- 2 AIM-120 & 2 GBU-31
- 2 AIM-120 & 2 GBU-32
- 2 AIM-120 & 2 GBU-49
- 2 AIM-120 & 2 JSOW
- 2 AIM-120 & 2 JSM
- 2 AIM-120 & 8 SDB-I
- 2 AIM-120 & 8 StormBreakers (planned integration)

Internal and External Capacity (Permissive Environment):
18,000 lb.

External Weapon Options:

- 2 AIM-9X
- 4 GBU-12
- 4 GBU-49
- 1 GAU-22 25mm cannon

600 nm — 1,100 km

1,200 nm

19,750 lb.

Max. weight: **70,000 lb.**
Wing area: **668 FT.²**
Height: **14.7 FT.**
Horizontal tail span: **26.3 FT.**
Propulsion & thrust: **F135-PW-100**
(40,000 lb. max., 25,000 lb. mil., vertical n/a)

7.5

340

$121.2M

Mach 1.6

SPEED F-35A/B/C

*Information sourced by Breaking Defense Editorial and Research

Presented by

Raytheon