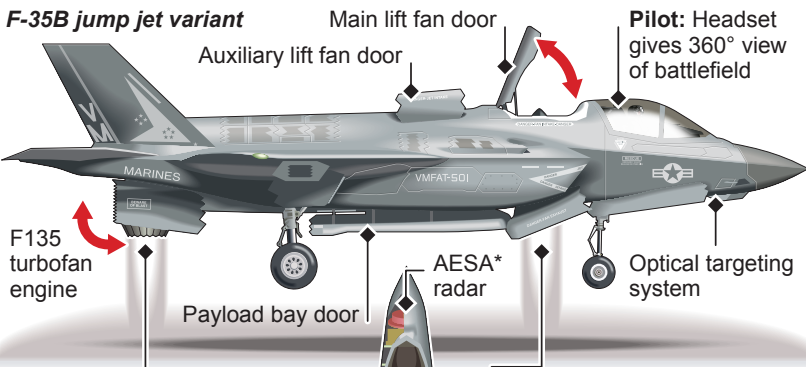


F-35 debut at Farnborough airshow

The world's most advanced fighter jet, the F-35 Lightning II, is making its first appearance at the Farnborough airshow in the UK this summer

F-35B jump jet variant



Thrust vectoring nozzle

Directs full thrust of engine down for vertical takeoff and landing

Roll post ducts: Underwing nozzles use engine bleed air to provide lateral stability during low speed and hover

Stealth

Angular structure and "fibre mat" coating help to disperse hostile radar waves

Lift fan:

Powered by driveshaft from jet engine – balances lift generated at tail

Weapons payload
6,800kg

F-35 orders

U.S.	2,443
Britain	138
Australia	100
Turkey	100
Italy	90
Canada	65
Norway	52
Japan	42
South Korea	40
Netherlands	37
Israel	33
Denmark	27

Length	15.6m
Wingspan	10.7m
Speed	Mach 1.6
Range	1,667km

Max.
thrust
178kN