

Report finds no edge for F-35 on most tasks

A Canadian government report says that other fighter aircraft are just as capable as the F-35 at meeting most of the country's needs, potentially inviting bids from rival jetmakers to replace Canada's fleet of CF-18s

F-35 LIGHTNING II SPECIFICATIONS

Speed **Mach 1.6 (1,930km/h)**

Combat radius **1,093km**

Service ceiling **18,288m**

Max. takeoff weight **31,800kg**

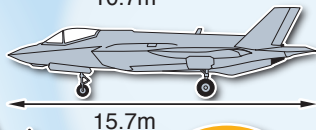
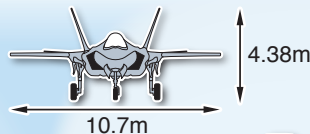
Thrust-to-weight ratio* **0.87**

Armament: 25mm cannon, four internal and six external hardpoints – maximum payload 8,160kg

Stealth: Layer of radar-absorbing "fibre mat" built into aircraft skin. Facets and aligned edges help disperse hostile radar waves

*With full fuel and weapons

Dimensions



Cost per plane
\$148 million
(F-35A model, FY 2015)

Propulsion

Single F135 turbofan, up to 178kN thrust with afterburner

AIRCRAFT COMPARISON

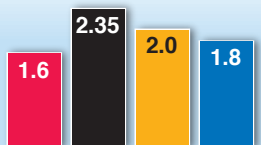
Lockheed Martin F-35

Eurofighter Typhoon

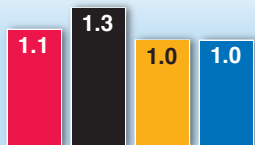
Dassault Rafale

Boeing Super Hornet

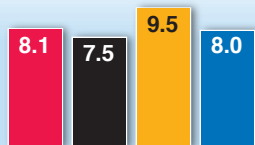
Maximum speed Mach



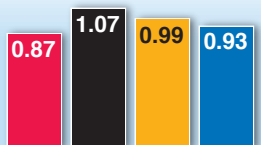
Combat radius 000km



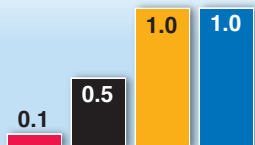
Maximum payload tonnes



Thrust-to-weight ratio (full fuel and weapons)



Radar cross section sq m (lower = better)



Wing loading kg/sq m (lower = better)

