

# Canada poised to buy F-35 fighter jets

Canada is expected to approve the purchase of 65 F-35 Lightning II stealth jets from Lockheed Martin in a deal worth C\$9 billion (\$8.2 billion), to replace its ageing fleet of CF-18 Hornet fighters

## F-35A LIGHTNING II

### Cockpit

Includes speech-recognition system. Virtual head-up display projects information onto pilot's helmet visor

### 25mm cannon

Internal four-barrel GAU-22/A Gatling gun with 180 rounds

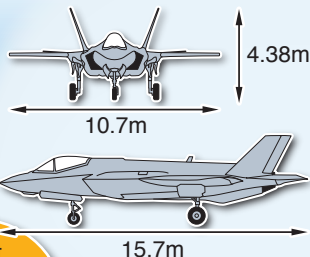
### Engine

Single F135 turbofan, up to 178kN thrust

### AESA radar

Allows pilot to detect air and ground targets at long range – estimated at over 160km

### Dimensions



Cost per plane  
**\$125 million**  
(F-35A model, 2013)

### Weapons/payload

Four missiles/bombs carried internally. Six underwing stations for missiles, bombs or fuel tanks

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

## SPECIFICATIONS

AESA = Active electronically scanned array

Maximum speed	<b>Mach 1.6 (1,930km/h)</b>
Range (internal fuel)	<b>2,200km</b>
Service ceiling	<b>18,300m</b>
Maximum G-force in manoeuvre	<b>9g</b>
Maximum takeoff weight	<b>31,800kg</b>
Maximum payload	<b>8,160kg</b>

## PLANNED F-35 ORDERS

	<b>United States</b>	<b>2,443</b>
	<b>Britain</b>	<b>138</b>
	<b>Australia</b>	<b>100</b>
	<b>Turkey</b>	<b>100</b>
	<b>Italy</b>	<b>90</b>
	<b>Israel</b>	<b>75</b>
	<b>Canada</b>	<b>65</b>
	<b>Norway</b>	<b>52</b>
	<b>Japan</b>	<b>42</b>
	<b>South Korea</b>	<b>40</b>
	<b>Netherlands</b>	<b>37</b>