

# Avro CF-100 Canuck

Aircraft specifications required by the RCAF:



- Twin jet fighter / interceptor
- Crew of two in pressurized cockpit with ejection seats
- All-weather operations
- Long range capability
- Day / night interceptions

The Avro CF-100 CANUCK was Canada's first all-weather jet fighter aircraft.

From its initial design, as the XC-100 prototype, to nearly three decades of active service with the RCAF the CF-100 Canuck has been a success story for Avro Aircraft. Its rather traditional design, for the mid to late 40s, proved to be a robust defence interceptor for Canada and other NATO countries.

The Canuck evolved from its Mark 1 prototype to its early operational Mark 3 and later Mark 4 versions. Special mission versions, as Mark 5s, were also developed in the early 50s. The Mark 4 prototype was the first Canadian-built aircraft to break the sound barrier.

This all-Canadian all-weather jet fighter/ interceptor was operational for the RCAF from 1953 to 1981.

More CF-100 history can be found [here](#).

Dimensions of the Canuck:  
Mk 4B

- Wingspan 50.0 ft.
- Length 54.2 ft.
- Height 14.5 ft.
- Wing Area 540 sq. ft.
- Max Wt. 42,000 lbs.
- Service Ceiling 45500 ft.
- Max Speed Mach 0.85 (640 mph)

Configuration of the CF-100:

- Wing
  - low mounted
  - straight and tapered planform
  - positive dihedral angle (3.00)
  - integrated fuel cells
- Fuselage
  - pressurized cockpit for two
  - bubble canopy over ejection seats

- interchangeable belly armament pack
- stressed skin structure enclosing engines
- internal fuel cells
- Engines
  - R R Avon AJ65 - 6000lbs. thrust [Mk 1 & 21]
  - Orenda 11 - 7300 lbs. thrust [Mk 3 & up]

### Significant Events

- 1st Proto Flight January, 1950 [ Mk 1 ]
- 1st Prod. Flight October, 1954 [Mk4]
- Max Speed
  - Mach 1.08 (810 mph - dive)
  - Mach 0.85 (640 mph - level)
- Entered RCAF mid 1953 [Mk3]
- Retired RCAF September, 1981

---

[home](#) [contact](#) [news](#) [avro](#) [dehavilland](#) [downsview](#) [projects](#) [gallery](#)

© 1999 Toronto Aerospace Museum

[Contact Webmaster](#)