

Canada Wings

Aviation Training Centre

Quick Reference: Bell 206B Jet Ranger



Photo: Ed Barlow, Copyright

Basic Helicopter Trainer (Phase III)

The Bell 206B helicopter, used by the Air Force at Canada Wings Aviation Training Centre is the first training helicopter in a "two fleet" helicopter training course. The Bell 206 is a proven solution for pilot training, in use by many training organizations worldwide. It is also one of the most successful commercial helicopters in production. Its high inertial rotor system is excellent for practice autorotations. Its hydraulically assisted flight controls and single-turbine engine make it a great training aircraft for helicopter pilots.

Specifications: Bell 206B Jet Ranger

Manufacturer: Bell Helicopter Textron, Fort Worth TX, U.S.A.
Certification: Normal Category, approved July 25, 1986
Engine: Allison Model 250-C20B

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Bell 206B Jet Ranger

Airspeed Limits (IAS): VNE 130 kts (242 km/h) IAS
Maximum Weight (mass): 1451 kg (3200 lbs)
Minimum Crew: One pilot
Outside Air Temp limits: Maximum at sea level is +50°C (+122°F)
Minimum at all altitudes is -54°C (-65.2°F)
Fuel Capacities: Usable with Range Extender
Litres 367
Imperial Gallons 81
U.S. Gallons 97
Pounds 646
Maximum Occupants: Five including crew
Maximum Operating Alt: 20 000 feet pressure altitude
Maximum Endurance: 3 hours 15 minutes



Photo: Ken Liu, 2006

Bell 206B Panel

Modifications for Canada Wings training:

- Crashworthy fuel cell
- Rotor brake
- Single pointer digital altimeter
- Modern intercom system
- Air Conditioning
- Multi-function clock
- Refurbished interior
- Exterior repainted with high visibility paint

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