



Precision Aviation Training Academy



BELL 206 BIII JET RANGER

"The Bell 206 is a family of two-bladed, single- or twin-engine helicopters, manufactured by Bell Helicopter at its Mirabel, Quebec plant. Originally developed as the Bell YO4 for the United States Army's Light Observation Helicopter program, the 206 failed to be selected. Bell redesigned the airframe and successfully marketed the aircraft commercially as the five-place Bell 206A Jet Ranger. The new design was eventually selected by the Army as the OH-58 Kiowa. Bell also developed a seven-place Long Ranger, which was later offered with a twin-engine option as the Twin Ranger.

General characteristics

- **Crew:** one pilot
- **Capacity:** four passengers
 - **Length:** 39 ft 8 in (12.11 m)
- **Rotor diameter:** 33 ft 4 in (10.16 m)
- **Height:** 9 ft 4 in (2.83 m)
- **Disc area:** 872 ft² (81.1 m²)
- **Empty weight:** 2,331 lb (1,057 kg)
- **Max. take-off weight:** 3,200 lb (1,451 kg)
- **Powerplant:** 1 × Allison 250-C20B turboshaft, 420 shp; derated to 317 shp due to drivetrain limitations (310 kW)



Performance

- **Never exceed speed:** 130 knots (241 km/h, 150 mph)
- **Maximum speed:** 120 knots (222 km/h, 138 mph)
- **Range:** 374 nmi (430 mi, 693 km)
- **Service ceiling:** 13,500 ft (4,115 m)
- **Rate of climb:** 1,350 ft/min (6.9 m/s)
- **Disc loading:** 4 lb/ft² (177 N/m²)
- **Power/mass:** 0.26 hp/lb (427.48784 W/kg)

