

The Bell 505 Jet Ranger X, is the newest entry in the short light single class. Designed with the focus on safety, efficiency and reliability through the use of advanced technology, its multi-mission capabilities will make it the choice for the future.



On a Mission.



EARNING THE TRUST OF OUR CUSTOMERS BY KEEPING THEM SAFELY FLYING

Ensuring your Bell helicopter is backed by strong OEM support is a key factor in protecting the aircraft's long-term reliability and performance. Bell Helicopter's Customer Support and Services organization, through its dedicated aviation professionals and comprehensive service offerings, stands ready to meet your needs throughout your aircraft's lifecycle.

TECHNICAL SPECIFICATIONS

SPEEDS		
Max Cruise	125+ kts	232+ km/h
Max Range	360+ nm	667+ km
Useful Load	1,500+ lbs	680+ kg
Max Endurance ¹	3.5+ hrs	
CAPACITIES		
Cabin Floor Area ²	22 ft ²	2.0 m ²
Baggage Compartment Volume	18 ft ³	0.5 m ³
CEILING ALTITUDES		
Service Ceiling (Pressure Altitude)	20,000 ft PA	6,096 m PA
Hover Ceiling IGE	MGW @ 14,000 ft	MGW @ 4,267 m
Hover Ceiling OGE	MGW @ 12,000 ft	MGW @ 3,657 m
POWERPLANT SPECIFICATIONS		
Turbomeca Arrius 2R (uninstalled thermodynamic rating)		
Takeoff	504 shp	376 kW
Max Continuous	457 shp	341 kW

¹ Max GW, ISA, std fuel, no reserve at sea level

² Includes Copilot area of 10 R²/0.9 m²

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On a Mission.





The Bell 505 Jet Ranger X is Bell Helicopter's new five-seat aircraft designed for safety, efficiency and reliability through the use of advanced technology. It incorporates proven dynamic components, advanced aerodynamic design, a dual channel FADEC Turbomeca Arrius 2R engine and best-in-class value.



ADVANCED AVIONICS SUITE

The Bell 505 Jet Ranger X is the first helicopter in its class to feature a fully integrated glass flight deck featuring the Garmin G1000H™ Avionics suite. This system provides unparalleled crew situational awareness and reduces pilot workload, resulting in enhanced safety and mission capabilities. The system includes engine instruments on PDF/MFD with Power Situation Indicator (PSI), Engine Indication System (EIS), Fuel Flow, Fuel Temperature, Automated Power Assurance Check; single VHF COM/NAV/GPS with WAAS; Mode S Transponder with extended Squitter (ES); ADS-B Out; Digital Map; Flight Planning; Flight Monitoring; Video In; audio alerts; Intercommunication System (ICS) with recorder/playback, 3.5 mm jack to plug in your portable audio devices.



PROVEN, RELIABLE POWERPLANT

The Bell 505 Jet Ranger X is equipped with the proven and reliable Turbomeca Arrius 2R engine, delivering 504 shaft horsepower. Equipped with a dual channel FADEC, the Arrius 2R provides improved fuel efficiency, start-up protection and full integration with the aircraft avionics system. Overall features include:

- Proven Arrius lineage with over 6 million flight hours
- Dual Channel FADEC with backup
- 3,000 Hour TBO
- Engine Data Recorder
- Designed for easy maintenance access



KEY FEATURES AND BENEFITS

- Fully integrated Garmin G1000H™ flight deck with twin 10.4" LCD screens for reduced pilot workload
- Enhanced situational awareness provided by optional kits for TIS, HTAWS, moving map, "Pathway in the Sky" and Garmin's HSVT (Helicopter Synthetic Vision Technology™)
- Newly designed cabin with forward-facing seats
- Fully flat floor for maximized configurability
- Large cabin doors for easy loading of passengers and cargo
- Superb crew visibility for maximum situational awareness
- Turbomeca Arrius 2R engine with dual channel FADEC with backup
- Quieter than ICAO Stage 3 noise limits
- High inertia rotor system with excellent autorotation capability
- A combination of speed, range and useful load that delivers best-in-class performance
- Priced to compete with the short light single class leader
- Complimentary 2-year subscription to SkyBOOKS electronic maintenance management and tracking for the aircraft



UTILITY

With a 1,500 lb/680 kg capacity cargo hook, a highly configurable 22 ft²/2.0 m² flat cabin floor area with integrated cargo tie downs, a large 18 ft³/0.5 m³ baggage bay and superior crew visibility, the Bell 505 Jet Ranger X provides utility operators with the flexibility and performance they require to conduct their missions.



CORPORATE

Best-in-class cabin volume can be configured to accommodate everything from VIP transportation or corporate shuttle missions. The combination of a smooth ride, superb range and the state of the art Garmin G1000H™ flight deck make the Bell 505 Jet Ranger X an ideal choice for any business needs.



PARAPUBLIC

With a highly configurable cabin, superb speed and range, and points for mounting external equipment, the Bell 505 Jet Ranger X delivers multi-mission capability and flexibility for parapublic operators.



TRAINING

With optional dual pilot controls, the Bell 505 Jet Ranger X is an excellent aircraft for training pilots to fly today's modern aircraft with integrated glass flight decks, FADEC controlled engines, and other advanced technologies.