



bell 206L4

On a Mission.

Bell Helicopter[®]
A Textron Company



BELL 206L4 | A reliable multi-mission capable helicopter with low operating costs.



CORPORATE

The Bell 206L4 is designed to be the ideal flying workplace. It comfortably seats up to six passengers with one pilot, thanks to wide-open club seating which allows for face-to-face conversations. The patented suspension system delivers an incredibly smooth ride. The simple, durable design features the powerful and reliable 726 shp/541 kW Rolls-Royce engine. All of which make the Bell 206L4 an outstanding value and an impressive return on your investment.



ENERGY

Cargo capacity. Payload. Cruising speed. That's what it takes to support the energy industry. Large cabin doors enable quick and easy loading and unloading of crew and equipment. Able to carry up to six passengers with a useful load of 2,119 lbs/961 kg, the Bell 206L4 is a reliable and time-tested single-engine helicopter. With low operating and maintenance costs, the Bell 206L4 combines dependability and value for your transportation needs.



HELICOPTER AIR AMBULANCE

When lives are at stake, every second counts. The design of the Bell 206L4 ensures that you don't waste a single one. The 60 in/152 cm bi-fold door allows for quick and easy patient loading and unloading. The extra-large cabin windows provide for exceptional visibility to make difficult scene landings a lot less difficult.



PARAPUBLIC

Balancing performance and price, the Bell 206L4 is an exceptional choice for the parapublic sector from local police to federal police agencies. Ideal for patrol functions where interoperability is important, the Bell 206L4 has the payload to carry tactical radios, a multi-sensor camera, and a moving map, all designed to increase your situational awareness and effectiveness. Combined with mission flexibility and low operating and maintenance costs, the Bell 206L4 is an affordable solution that provides impressive results.

Bell 206L4

Simple. Reliable. Economical. The Bell 206L4 features a high-inertia, two-bladed rotor system, while the patented suspension system delivers an incredibly smooth ride. The cabin, isolated from the cockpit, provides conference-room style club seating for five allowing natural face-to-face conversations. Room for one extra passenger in the cockpit plus one pilot provides a total of seven places. In addition to offering outstanding product features, the Bell 206L4 is consistently backed by Bell Helicopter's renowned in-service support. For Bell Helicopter, the Bell 206L4 is mission accomplished.



KEY FEATURES AND BENEFITS:

- Simple, two-blade rotor system for superior hover performance, speed, and a smooth, quiet ride
- The Rolls-Royce 250 turbine engine design with over 150 million flight hours logged
- Standard safety features include a rupture-resistant fuel system and a collective-mounted throttle for power at the pilot's fingertips
- Standard bi-fold door with a 60 in/152 cm opening for quick and easy loading and unloading
- Exceptional useful load of 2,119 lb/961 kg
- Spacious 80 ft³/2.3 m³ cabin and 16 ft³/0.45 m³ baggage compartment
- Seating for up to six passengers plus one pilot
- Abundant capacity for specialized equipment (medical, search lights, etc.) with 3.7 hours of loitering capability
- Maximum range of 325 nm/602 km at long-range cruise speeds with standard fuel capacity



SAFETY

All of our aircraft are designed and built with safety in mind. That is why the Bell 206L4 is equipped with a variety of safety features including: reliable engines, transmission with chip detection and debris collection, superb autorotation, rollover bulkheads, rupture-resistant fuel cells, collective-mounted throttle and optional wire strike protection.



PROVEN POWER

The proven Rolls-Royce 250-C30P gas turbine engine powers the Bell 206L4. With over 150 million flight hours logged, the C30P packs a lot of power into a 251 lb/114 kg package. This engine is rated at 726 shp/541 kW for takeoff power.



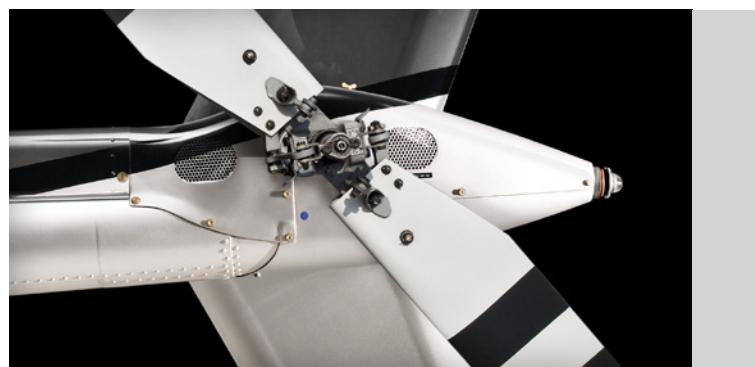
MULTI-FUNCTIONAL INTERIOR

The multi-mission capable interior of the Bell 206L4 is a spacious cabin that easily holds five passengers in a club seating arrangement or specialized equipment for medical and parapublic missions. With large windows, ample ambient light provides excellent visibility for working environment inside the cabin and exceptional field of view outside of the cabin. A smooth ride with low vibration and quiet cabin ensures a comfortable flight.



REDUCED CUSTOMER COSTS

Bell Helicopter is actively reducing the Bell 206L4's direct maintenance costs. Recent successes have yielded a 17 percent cost reduction for life limited components. This accomplishment, along with excellent engineering and proven reliability, allows our customers more profitability for every flight hour.



HIGH ALTITUDE TAIL ROTOR

The optional High Altitude Tail Rotor System provides improved directional controllability during hover. The system includes an improved rotor design and tail rotor authority control system (TRACS), which allows maximum available blade pitch angle to increase as altitude increases. This system enables takeoff, landing and hover operations at combinations of gross weights, density altitude, and relative wind velocities greater than the basic helicopter capabilities.



BELL 206L LONGRANGER UPGRADE PROGRAM

To meet the ever-increasing demand for vertical lift aircraft, Bell Helicopter has designed an upgrade program for the Bell 206L1 and Bell 206L3 helicopters to provide our customers extended life of airframe for continuous operation. The upgrade provides increased performance, improved reliability and decreased operating costs. These improvements provide an internal maximum gross weight of 4,450 lbs/2018 kg, an increased transmission takeoff power rating to 490 shp/365 kW and improved standard-day hover performance.

IMPROVED HOVER

At the customers' request, Bell Helicopter now provides the Bell 206L4 with additional FAA certified hover capability for both in-ground effect and out-of-ground effect for above minimum specification (min-spec) engines. This additional capability is provided through STC NO. SR09538RC-D, with no changes required for engine hardware or software. This STC is applicable to aircraft with the high altitude tail rotor kit installed.

WORLD-CLASS CUSTOMER SUPPORT AND TRAINING

One of the best parts of operating a Bell helicopter is the renowned network of worldwide support and service that comes with it. With a significant parts inventory pre-positioned at global supply centers, plus training and technical personnel ready to answer your questions and provide the support you need in the field, Bell Helicopter is committed to providing you with the best products backed by the best service in the industry.

To further complement our support, a comprehensive set of pilot and maintainer courses are available through the world-class Bell Helicopter Training Academy (BTA). Maintainers will have the advantage of learning on an actual Bell 206L4, ensuring a relevant and effective training experience. Pilots will appreciate a suite of customized course materials, complemented by a sophisticated flight training device, and concluding with flight instruction in a BTA operated Bell 206L4. BTA also understands that the right training is just as important as comprehensive training, so your instruction can be custom tailored to meet your specific goals and training requirements.



The dependable and reliable Bell 206L4 provides operators a multi-mission capable helicopter with low operating costs, backed by Bell Helicopter's top user-rated in-service support.

TECHNICAL SPECIFICATIONS

SPEEDS at max gross wt		
V _{NE}	130 kts	241 km/h
Max Cruise	109 kts	203 km/h
Range at V _{LRC} ¹	325 nm	602 km
Max Endurance ¹	3.7 hrs	
CEILING ALTITUDES		
Service Ceiling (Pressure Altitude)	10,000 ft	3,048 m
Hover Ceiling IGE (Optional Max GW, ISA)	10,000 ft	3,048 m
Hover Ceiling OGE (Optional Max GW, ISA)	6,510 ft	1,984 m
CAPACITIES		
Standard Seating	1 + 6	
Maximum Seating	1 + 6	
Standard Fuel	110.7 US gal	419 liters
Door Width (With Bi-fold Door)	60in	152 cm
Cabin Volume ²	80 ft ³	2.3 m ³
Aft (Baggage) Compartment Volume	16 ft ³	0.45 m ³
WEIGHTS		
Empty Weight (Base Aircraft)	2,331 lbs	1,057 kg
Max Gross Weight (Internal)	4,450 lbs	2,018 kg
Max Gross Weight (External Load)	4,550 lbs	2,064 kg
Useful Load (Internal, Base Aircraft)	2,119 lbs	961 kg
Cargo Hook Capacity	2,000 lbs	907 kg
POWERPLANT Rolls-Royce 250-C30P		
Engine Rating, Take-off	726 shp	541 kW

¹ Max GW, ISA, Std fuel – no reserves at sea level

² Does not include copilot volume of 20 ft³/0.6 m³

