

Bell Huey II

On a Mission.





BELL HUEY II | A daily workhorse with an expansive cabin providing multi-mission flexibility.



TROOP TRANSPORT AND INSERTION

Look no further than the Bell Huey II for troop transport needs. With aft cabin seating for 11 passengers or 13 passengers in high density seating, the Bell Huey II works as diligently and reliably as the troops do. This medium lift helicopter has a large flat, reconfigurable floor area for multi-mission cargo needs. Multiple structural fittings and hard points allow for flexibility in seating arrangements and attachment of equipment to meet transport and cargo operations. The Bell Huey II has the space and the lifting capacity to get the job done.



SEARCH AND RESCUE

For search and rescue missions, the Bell Huey II provides a stable hover platform with excellent fore & aft center of gravity tolerance and lateral stability. Large 6.16 ft/1.87 m wide door openings enable easy cabin access and room to maneuver for hoist operations. Single-engine fuel efficiency allows for greater search time and range. Optional auxiliary fuel tanks increase the standard search range capability. When you need to search, look no further than the Bell Huey II.



HELICOPTER AIR AMBULANCE

The Bell Huey II was built on a strong history in emergency life-threatening situations. The cabin sliding door and panel door on each side of the fuselage provide unobstructed openings 6.16 ft wide by 4.1 ft high (1.87 m wide by 1.24 m high). Its cabin can carry up to 6 litters. The wire-strike protection system is designed to offer a proven measure of protection against horizontally strung mechanical, electrical and communication wires and cables. When you are the help on the way, the Bell Huey II provides greater capacity enabling faster mission accomplishment.



PARAPUBLIC

The Bell Huey II was built for the parapublic mission. With special operational equipment available, the aircraft can be configured to meet your mission needs: command & control, patrol, firefighting and tactical insertion/extraction. The fuselage features multiple structural fittings and hard points, two swing-out jettisonable crew doors and two aft cabin sliding doors with two emergency exit panels on each door. The sliding doors latch open for in-flight operations. Two swing-out doors allow extended access to aft cabin. These features keep the team safe so that they can keep the public safe.

Bell Huey II

The Bell Huey II Modernization Program is the only OEM approved and supported Bell UH-1H performance upgrade available today. The Bell Huey II combines commercial Bell 212 dynamic components with the reliable Honeywell T53-L-703 engine, leading to an increase in hover performance in hot conditions. In addition, the Bell Huey II upgrade increases the max gross weight to 10,500 lbs, while lowering direct operating costs. Along with the Bell Huey II kit installation, Bell Helicopter refurbishes the Bell UH-1H basic airframe to OEM standards, provides a complete rewire, updates the avionics and offers a comprehensive selection of mission specific kits and customization. So whether your mission is troop transport into high altitudes, medical evacuation in hot conditions or transport to and from remote bases, choose the Bell Huey II.



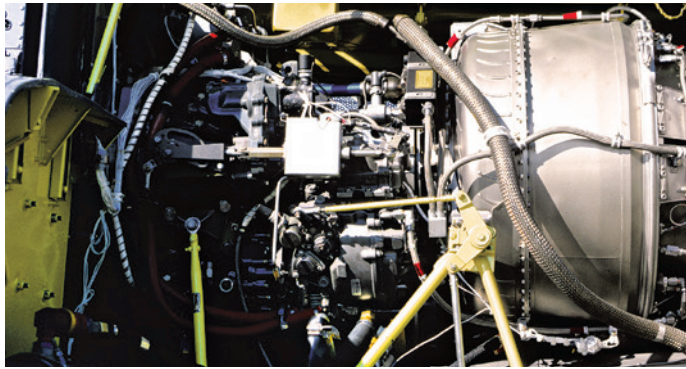
KEY FEATURES AND BENEFITS:

- Increased shaft horsepower to 1,800 shp/1,342 kW with the T53-L-703 upgrade package providing increased lifting capabilities
- Complete new Bell 212 drive system
- Complete aircraft rewire when completed by Bell Helicopter
- Optional high density seating for up to 14 passengers
- Large sliding side doors for easy loading and unloading of patients, personnel or cargo
- 5,000 lbs/2,268 kg cargo lifting capability and a useful load of 4,873 lbs/2,210 kg
- Only OEM backed Bell UH-1H modification with full OEM support after the sale
- Twenty-nine percent reduction in direct maintenance costs over Bell UH-1H
- All new life limited parts along with complete refurbished and upgraded airframe
- Customized to fit your mission
- New or OEM refurbished windscreens, fuel cells, landing gear and inlet barrier filter standard
- Can accommodate a wide variety of avionic suites
- Multiple crew positions and litter configurations



SAFETY FEATURES

Designed and built with safety in mind, the Bell Huey II is equipped with a variety of safety features including: proven reliable engines, transmission with chip detection and debris collection, superb autorotation, rollover bulkheads, new rupture-resistant fuel cells, wire-strike protection and jettisonable crew doors.



OEM CERTIFIED UPGRADE

Honeywell T53-L703 engine upgrade package increases shaft horsepower from 1400 shp/1,044 kW to 1800 shp/1,342 kW. This OEM certified upgrade extends the TBO from 2400 hrs to 5000 hrs, providing significant maintenance cost savings.



MULTI-FUNCTIONAL INTERIOR

The multi-mission capable interior of the Bell Huey II has seating for 12 passengers with one pilot and up to 14 passengers in high density seating. Four large cabin windows enable ample visibility during SAR missions. Cabin doors may be pinned open to extend viewing capability and provide excellent access during hoist operations. The cabin's large, flat floor has multiple structural fittings and hard points for flexible seating arrangements and attachment of equipment to meet your multi-mission needs.



LOWER DIRECT MAINTENANCE COSTS

Compared to the standard Bell UH-1H, the Bell Huey II decreases your direct maintenance costs in excess of 29% while increasing your operational readiness rates. The utilization of Bell 212 components enhances parts availability through Bell Helicopter's Global Support Network. Compared to the Bell Huey, service life improvement for most components (main rotor mast, hub assembly, engine transmission, gearboxes, rotor blades, etc.) is improved by more than 250%.



FLEXIBILITY DEFINED

A wide array of kits and customizing can be added to the Bell Huey II to suit your specific mission needs, whether you fly transport, cargo, air ambulance or parapublic operations. Standard equipment includes a wire-strike protection system, new fuel cells, inlet barrier filter and NVG compatibility. Other options include cargo hook, hoisting options with internal and external capability, and armor options.



AVAILABLE KITS

The Bell Huey II has a wide assortment of available optional kits, including:

- Bell 212 nose kit
- Glass cockpit solutions
- Hour meter indicator
- Fuel flow meter indicator
- Wulfsberg™ Flexcomm RT 5000 transceiver
- TETRA radio (Teltronic MDT-400)
- 3-place litter
- 4-place rag and tube rear facing seat
- Aeronautical Accessories Fast Rope Insertion/Extraction System (FRIES)
- Bambi bucket
- BF Goodrich 600 lb external hoist
- High skid gear with flight steps
- LifePort™ cabin/cockpit floor and side armor
- LifePort™ engine armor
- LifePort™ nose section armor
- On Board Systems™ cargo hook kit
- Rotor brake equipment

THE LEGEND PERFECTED

With a fielded fleet of over 225 aircraft having amassed over 340,000 flight hours, the Bell Huey II has proven to be a smart, cost-efficient solution. It can carry up to 11 fully outfitted tactical team members with 2 pilots, without the need for external platforms. Emergency response teams also appreciate the exceptional cabin volume and ample power of the Bell Huey II, facilitating a wide range of search and rescue, disaster response, special operations and fire fighting missions. As compared to the Bell UH-1H, hover ceiling increases 39% on a standard day, 275% on a hot day. In addition, payload increases to a maximum internal gross weight of 10,500 lbs/4,763 kg and 11,200 lbs/5,080 kg external gross weight. The direct maintenance costs of the Bell Huey II offers a 29% savings over the Bell Huey, delivering excellent lift capability with single-engine economics.

WORLD-CLASS CUSTOMER SUPPORT AND TRAINING

One of the advantages of operating a Bell helicopter is the renowned network of worldwide support and service that comes with it. Bell Helicopter is committed to providing you with the best products backed by the best service in the industry, 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.

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 Huey II, 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 your aircraft. The Bell Helicopter Training Academy 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.

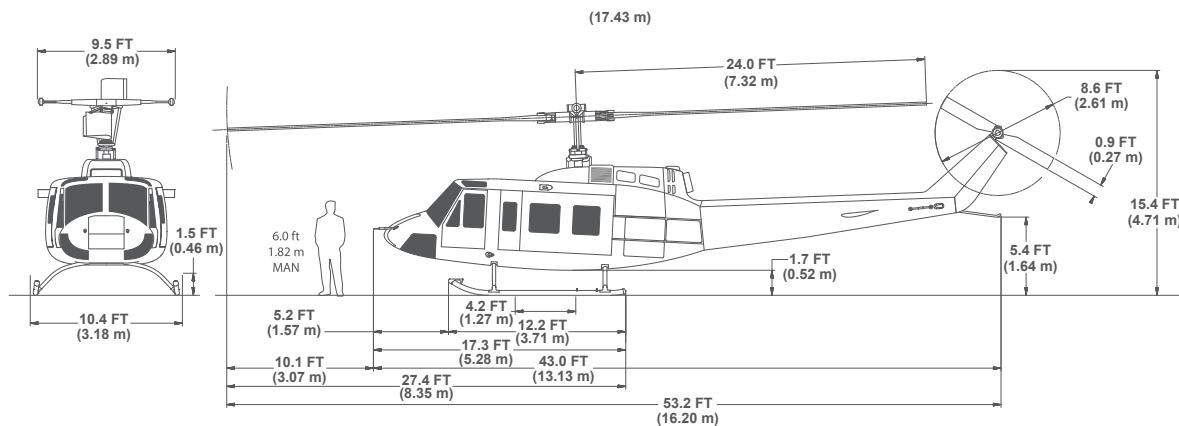
From law enforcement air support to troop/SWAT insertion and extraction, the Bell Huey II provides the flexible, economical, high performance medium helicopter solution backed by the best support network in the world.



TECHNICAL SPECIFICATIONS

SPEEDS at max gross wt		
V _{NE}	111 kts	206 km/h
Max Cruise	106 kts	196 km/h
Range at V _{LRC} ¹	246 nm	455 km
Max Endurance ¹	2.6 hrs	
CEILING ALTITUDES		
Service Ceiling (Pressure Altitude)	16,210 ft	4,940 m
Hover Ceiling IGE (Optional Max GW, ISA)	12,595 ft	3,839 m
Hover Ceiling OGE (Optional Max GW, ISA)	5,335 ft	1,626 m
CAPACITIES		
Standard Seating	1 + 12	
Maximum Seating	1 + 14	
Standard Fuel	211 US gal	799 liters
Auxiliary Fuel (Optional)	150 US gal	568 liters
Cabin Volume	220 ft ³	6.2 m ³
WEIGHTS		
Empty Weight (Standard Configuration)	5,627 lbs	2,552 kg
Useful Load (Standard Configuration)	4,873 lbs	2,210 kg
Max Gross Weight (Internal)	10,500 lbs	4,763 kg
Max Gross Weight (External Load)	11,200 lbs	5,080 kg
Cargo Hook Capacity	5,000 lbs	2,268 kg
POWERPLANT (1) Honeywell T53-L-703		
Engine Rating, Take-off	1,800 shp	1,342 kW

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



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