



The Bell 412 remains the most mission flexible medium helicopter, now with an advanced flight deck

## PERFORMANCE SPECIFICATIONS

(Maximum Gross Weight, SL, ISA)

SPEED at max gross wt		
V <sub>NE</sub>	140 kts	259 kph
Max Cruise	122 kts	226 kph
Range at V <sub>LRC</sub> <sup>1</sup>	363 nm	672 km
Maximum Endurance @ Loiter Speed <sup>1</sup>	3.8 hrs	
CEILING ALTITUDES		
Service Ceiling (Pressure Altitude)	16,460 ft	5,017 m
Hover Ceiling IGE (Max GW, ISA)	11,300 ft	3,444 m
Hover Ceiling OGE (Max GW, ISA)	7,100 ft	2,164 m
CAPACITIES		
Standard seating	1 + 14	
Maximum seating	1 + 14	
Standard Fuel	331 US gal	1,251 liters
Auxiliary Fuel (Optional)	33 or 164 US gal	125 or 621 liters
Door Width	7.7 ft	2.3 m
Cabin Volume	220 ft <sup>3</sup>	6.2 m <sup>3</sup>
Aft (Baggage) Compartment Volume	28 ft <sup>3</sup>	0.8 m <sup>3</sup>
WEIGHTS		
Empty Weight (IFR Standard Configuration)	7,071 lbs	3,207 kg
Useful Load (Internal, IFR Standard Configuration)	4,829 lbs	2,190 kg
Max Gross Weight (Internal)	11,900 lbs	5,398 kg
Max Gross Weight (External Load)	11,900 lbs	5,398 kg
Cargo Hook Capacity	4,500 lbs	2,041 kg
OTHER		
Powerplant	(2) Pratt & Whitney PT6T-9 Twin Pac <sup>®</sup>	
Transmission Rating, MCP	1,122 shp	837 kW

<sup>1</sup> Max GW, ISA, std fuel, no reserve at sea level



On a Mission.

**Bell Helicopter**<sup>®</sup>  
A Textron Company



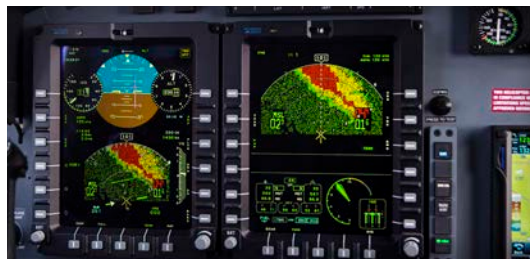


In the new Bell 412EPI, the reliability and versatility of the Bell 412 evolves to the next level. Its Bell BasiX Pro™ Integrated Avionic System provides critical flight information at a glance for greater situation awareness and safety. The Pratt & Whitney PT6T-9 Twin Pac® engines provide enhanced hot-high performance and increased Category A / JAR OPS PC1 Performance.



### BELL BASIX PRO™

The Bell BasiX Pro™ Integrated Avionic System with four 10.4" high-res LCD multi-function display units provides critical flight information in an easy to scan layout. The system, first introduced in the Bell 429, is specifically designed to meet the requirements of twin engine helicopters and is optimized for IFR, Category A and JAR OPS3 compliant operations.



### MULTI-FUNCTION DISPLAYS

Display options include radar, search radar, H-TAW, GPS/FMS Map, TCAS traffic information, Category A Calculations, Hover Performance, Power Assurance, normal and emergency checklists, user-defined checklists, weight & balance, electrical schematic, last exceedance/OEI, log page and maintenance & set-up pages including ADIU data, ENG/ECU and chip history. Optional multi-sensor camera/video image and up to two additional optional video sources.



### GARMIN GTN-750

Integrated with the Bell BasiX-Pro™, the Garmin GTN-750 provides WAAS GPS navigation with touch screen controls, rubber-band flight planning, high resolution digital maps, electronic charts and approach plates, terrain data displays and control of the new ADS-B reporting transponder.

## STANDARD SPECIFICATIONS

- Bell BasiX-Pro™ Integrated Avionic System
- Pratt & Whitney PT6T-9 with EEC/ECU
- Garmin GTN-750 NAV/COM/WAAS GPS
- BLR Strake and FastFin™
- Helicopter Terrain Avoidance Warning System (H-TAWS)
- LED cockpit lighting and panels
- Power Situation Indicator (single indicator for quick pilot monitoring)
- Automatic Dependent Surveillance - Broadcast (NextGen, Standard ADS-B out, Optional ADS-B in)

## KEY FEATURES AND BENEFITS

- The Bell BasiX-Pro™, proven successful in the Bell 429, provides workload relief in the most demanding helicopter IFR environments
- Upgraded engines for more horsepower enabling improved performance, especially single-engine capability
- Single-pilot IFR capability with 3-axis or optional 4-axis stability and control augmentation and coupled flight director capability
- Highly flexible and configurable avionics system to meet various operating and customizing needs
- Upgrade program via a Supplemental Type Certificate at Bell Piney Flats for new or fleeted Bell 412EP aircraft



### RUGGED AIRFRAME BUILT WITH SAFETY IN MIND

The Bell 412EPI continues with the safety elements built into every Bell 412: rupture resistant fuel cells, collective-mounted throttle and rollover bulkheads protecting both passengers and crew and adds reduced pilot work load and enhanced situational awareness with the Bell BasiX Pro and additional engine power with the Pratt & Whitney PT6T-9 engines.



### UPGRADED PERFORMANCE

The Bell 412EPI is further upgraded with powerful Pratt & Whitney PT6T-9 engines. The engines has a 15% increase in shaft horsepower and a digital electronic engine control (EEC). It provides improved hot and high performance and improved OEI performance, Category A, JAR OPS PC1. The EEC provides an auto start with hot start protection, auto limiting to OEI max ratings, OEI training mode and exceedance maintenance reporting.



### WORLD-CLASS CUSTOMER SUPPORT

One of the best parts of operating a Bell Helicopter is each aircraft is backed by an award-winning worldwide network of service and support. From our significant parts inventory pre-positioned at global supply centers, to the 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 and support – every time, everywhere.