



BELL 505M

COST-EFFECTIVE PERFORMANCE WHEN YOU NEED IT MOST.

The Bell 505M is ready to meet your mission requirements. A capable and flexible platform, the 505 is in operation on six continents and in more than 55 countries. The 505M is perfect for operators training in the fundamentals of rotary-wing flight or carrying out utility missions with high operational tempos. With a digital engine control and NVIS compatible glass cockpit, this aircraft will ensure that your warfighters are trained and ready for any mission.

MISSION-CONFIGURABLE

- Advanced Trainer
- Equipped for IFR training
- Light Reconnaissance
- Combat Search & Rescue (CSAR)
- Humanitarian / Disaster Relief Support
- Forward Air Controller – Airborne (FAC-A)

TRAINING: MASTERING THE FUNDAMENTALS



- Designed with pilot input, as a training aircraft the 505M provides an intuitive platform to maximize teaching the fundamentals of rotary-wing flight
- Ensure your forces are prepared for any mission with training on advanced displays and innovative technology
- The Bell 505M is the perfect training partner. Digital engine control and glass cockpit give trainers and trainees an exceptional experience with critical safety features

OPTIONAL CONFIGURATION MISSION EQUIPMENT

- TekFusion Global Weapons Management System
- TekFusion Global PATHFINDER Mission Management System
- CFD International 2 Station Ordnance Mounting System (OMS)
- Advanced EO/IR Sensor
- Survivability Features
- Night Vision Goggle (NVG) Compatible Cockpit
- Other Weapons Management Systems Available

PERFORMANCE FEATURES

- VHF, UHF & SATCOM radio capability coordinates direct/ indirect air to ground fire
- 2,000 lbs. Cargo Hook Capacity
- Fully integrated Garmin G1000H NXi avionics shows critical flight data so the crew can make quick decisions
- Only dual-channel FADEC controlled engine in its class
- High inertia metal rotor blades guarantee a powerful lift with no excess drag
- Engine is accompanied with surge and flame-out protection

TECHNICAL SPECIFICATIONS¹

Performance at Max Gross Weight

VNE	135 kts	250 km/h
Max Cruise	125 kts	232 km/h
Range at VLRC²	306 nm	566 km
Max Endurance²	3.9 hrs	

Capacities

Configurable Seating	1 + 4 (max)	
Standard Fuel	85 US gal	321 liters
Cabin Volume³	99 ft ³	2.80 m ³
Baggage Compartment Volume	18 ft ³	0.5 m ³

Weights

Empty Weight (Std. Configuration)	2,180 lbs	989 kg
Useful Load (Internal, Std. Configuration)	1,500 lbs	680 kg
Max Gross Weight (Internal Load)	3,680 lbs	1,669 kg
Max Gross Weight (External Load)	4,475 lbs	2,030 kg

¹ Final performance data to be determined after configuration is finalized

² MAX GW, ISA, Std. fuel-no reserve at sea level

³ Total aircraft volume 99 ft³/2.80 m³



ON TARGET

As the first helicopter in its class to include a fully integrated flight deck, the Bell 505M is tailored to your mission. The intuitive and user-friendly platform combined with the Garmin G1000H NXi Avionics System help to reduce pilot workload and improve situational awareness making the 505M the best trainer aircraft on the market.

MISSION FEATURES

- EO/IR sensor to detect in all weather and lighting conditions
- Light responsive medical evacuation (MEDEVAC) platform capable of supporting medical care for ambulatory and litter patients from point of injury to the medical facility
- Removable seats allow for a flexible cabin space



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