



SIKORSKY UH-60M  
**BLACK HAWK** HELICOPTER





## BEST-IN-CLASS MULTI-MISSION PERFORMER

**THE WORLD'S BEST COMBAT ASSAULT/UTILITY HELICOPTER GETS BETTER.**

Sikorsky has been responding to the needs of the United States Army for nearly a century. The Multi-mission UH-60M is the latest in the BLACK HAWK helicopter product family, more capable, more survivable, more maintainable, more powerful and more effective than its predecessors.

The BLACK HAWK helicopter has proven itself both in combat and peace time missions. The UH-60M builds upon its robust predecessors and incorporates design improvements that extends this platform well into the future as the premier combat utility helicopter of choice for the United States as well as 27 other nations.

Sikorsky sets the standard for rotorcraft safety and performance, continually developing improvements that make the entire industry safer. The UH-60M BLACK HAWK helicopter is no exception to this and is a safe, cost-effective, top performing helicopter ready to perform your missions.

### **READY FOR BATTLE, TODAY AND TOMORROW.**

The Sikorsky BLACK HAWK is the primary medium lift helicopter for the U.S. Army performing a wide range of missions that encompass Air Assault, MEDEVAC, CSAR, Command and Control, and VIP transport. The newest version of the Army's premier combat utility helicopter, the UH-60M, ensures compatibility with the U.S. Army's Future Force. It will bring new life to the existing fleet, improve their effectiveness, reduce their vulnerability, and allow for future growth while lowering operating and support costs.

The Future Force is the U.S. Army's vision of a more strategically responsive, deployable, agile, versatile, lethal, survivable, and sustainable force. As the U.S. Army moves toward the Future Force, it will need a fleet of helicopters that are more survivable, powerful and capable. A fleet of over 1,200 UH-60Ms will be equipped with the new technology needed to meet these Future Forces requirements.

The centerpiece of the UH-60M BLACK HAWK helicopter is an advanced digital avionics suite that provides improved situational awareness and interoperability with the Future Combat System. Design improvements include Wide-Chord blades and the 701D engine which combine to provide better performance and lower operating costs. An Integrated Vehicle Health Management System (IVHMS) provides monitoring and diagnostic capabilities that insures an even more reliable combat aircraft.

# A LEGACY OF SERVICE AND PERFORMANCE

## FOR THE WORLD'S MILITARY OPERATORS, SIKORSKY IS THE ONLY WAY TO FLY.

That's because Sikorsky consistently and reliably delivers the performance, support, and value required for the modern military mission.

Sikorsky's legacy of service began with the world's first helicopter rescue, and has expanded over the years to include a variety of missions for which the UH-60M is ideally suited. These are:

- Combat assault
- External lift
- Combat search and rescue
- Medevac
- Firefighting
- Command and control
- Armed
- VIP transport

Like the tough and reliable veteran BLACK HAWK before it, the affordable UH-60M is a combat-proven helicopter without peer. It will fly wherever duty calls, redefining the meaning of the term multi-mission while delivering maximum value for its operators.

## THE ONLY EFFECTIVE MISSION IS A SAFE ONE.

As the U.S. Army continues its modernization and transformation efforts, Sikorsky is proud that the UH-60M is the centerpiece vertical lift platform that assures mission success across a broad spectrum of military operations.

The UH-60M is more effective with its integrated digital cockpit, moving map display, enhanced GPS/INS system and fully coupled flight controls.

More powerful with T700-GE-701D engine and new wide chord blades. More survivable with an enhanced laser warning system (AVR2B), Upturned Exhaust System, and the Common Missile Warning System (CMWS).

More reliable with Integrated Vehicle Health Management System (IVHMS), enabling a systematic transition to new metrics, more proactive and predictive processed, and to support Condition Based Maintenance (CBM).



# LONGEVITY, SAFETY, SURVIVABILITY, RELIABILITY

## UH-60M FEATURES IMPROVE PERFORMANCE, RELIABILITY AND MAINTAINABILITY

- 1 T700-GE-701D engine
- 2 Active vibration control
- 3 Upturned Exhaust System
- 4 Improved durability gearbox
- 5 Dual digital flight control computer
- 6 Wide chord blades
- 7 Integrated Vehicle Health Management System (IVHMS)
- 8 Folding stabilator
- 9 CMWS
- 10 AVR2B
- 11 Integrated digital cockpit



### CAPABILITIES

	UH-60A	UH-60L	UH-60M
Crew @ total weight	3 @ 725 lb	3 @ 725 lb	4 @ 980 lb
Troops @ weight/each	11 @ 240 lb	11 @ 240 lb	11 @ 290 lb
Cargo hook capacity	8,000 lb	8,000 lb	9,000 lb

### PERFORMANCE

	UH-60A	UH-60L	UH-60M
Weight empty	11,284 lb	11,782 lb	12,511 lb
Primary mission gross weight	16,994 lb	17,706 lb	19,398 lb
Maximum gross weight (slick configuration)	20,250 lb	22,000 lb	22,000 lb
Cruise speed (16,800, 4,000 ft, 95°F @ 100% MCP)	140 kts	155 kts	151 kts
Vertical rate of climb, feet per minute			
- 16,800 lb, 4,000 ft, 95°F, 95% IRP	377	1,315	1,553
- 18,000 lb, 4,000 ft, 95°F, 95% IRP	0	592	941



### INTEGRATED VEHICLE HEALTH MANAGEMENT SYSTEM (IVHMS)

- Onboard system IVHMS user interface
- Ground based IVHMS user interface (PMA)
- Automated data collection for vibration maintenance requirements



### WIDE CHORD MAIN ROTOR BLADES IMPROVE UH-60M PERFORMANCE

- All composite spar reduces maintenance man hours
- Wider chord generates additional 470 pounds of lift
- Advanced design improves maneuverability and air speed

## IN THE "GOLDEN" HOUR


When a soldier's life is on the line, you need a powerful helicopter that you can count on in any environment. The HH-60M MEDEVAC aircraft is the world's most modern battlefield ambulance with state of the art life saving capabilities and advanced search and rescue equipment. Plus, its interior is easily reconfigured for other missions such as resupply or personnel transport.



### THE NEW ADVANCED COCKPIT OF THE UH-60M HELICOPTER REDUCES PILOT WORKLOAD AND IMPROVES SITUATIONAL AWARENESS

- Four multi-function displays
- Four-axis fully coupled flight director
- Digital map
- Dual Embedded Global Positioning System/Inertial Navigation System (EGI)
- Joint Variable Message Format (JVMF) messaging
- Stormscope
- Integrated Vehicle Health Management System (IVHMS) with Crash Survivable Memory Unit (CSMU)





# WE'RE ENGINEERING A BETTER TOMORROW

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