



Sikorsky MH-60R SEAHAWK® Helicopter
Premier multi-mission maritime system





Premier

The newest aircraft in the U.S. Navy fleet, the MH-60R SEAHAWK® helicopter elevates tactical maritime mission capability to a new level, by far surpassing previous fleet capability. With its state-of-the-art avionics, mission systems and cockpit, the MH-60R is the world's most capable naval helicopter available today.

Built on Sikorsky's long legacy of battle-proven helicopters with advanced controls, displays and decision aids from Lockheed Martin, the MH-60R is a modern, flexible weapon system that meets the U.S. Navy's war-fighting needs for high-density, information-intensive littoral and open-ocean maritime environments.

Additionally, the MH-60R helicopter enables modern navies worldwide to benefit from future decades of military interoperability with the U.S. Navy.

THE BOTTOM LINE

*Premier multi-mission maritime system. Available now.
Sikorsky MH-60R.*

Naval Helicopter Legacy

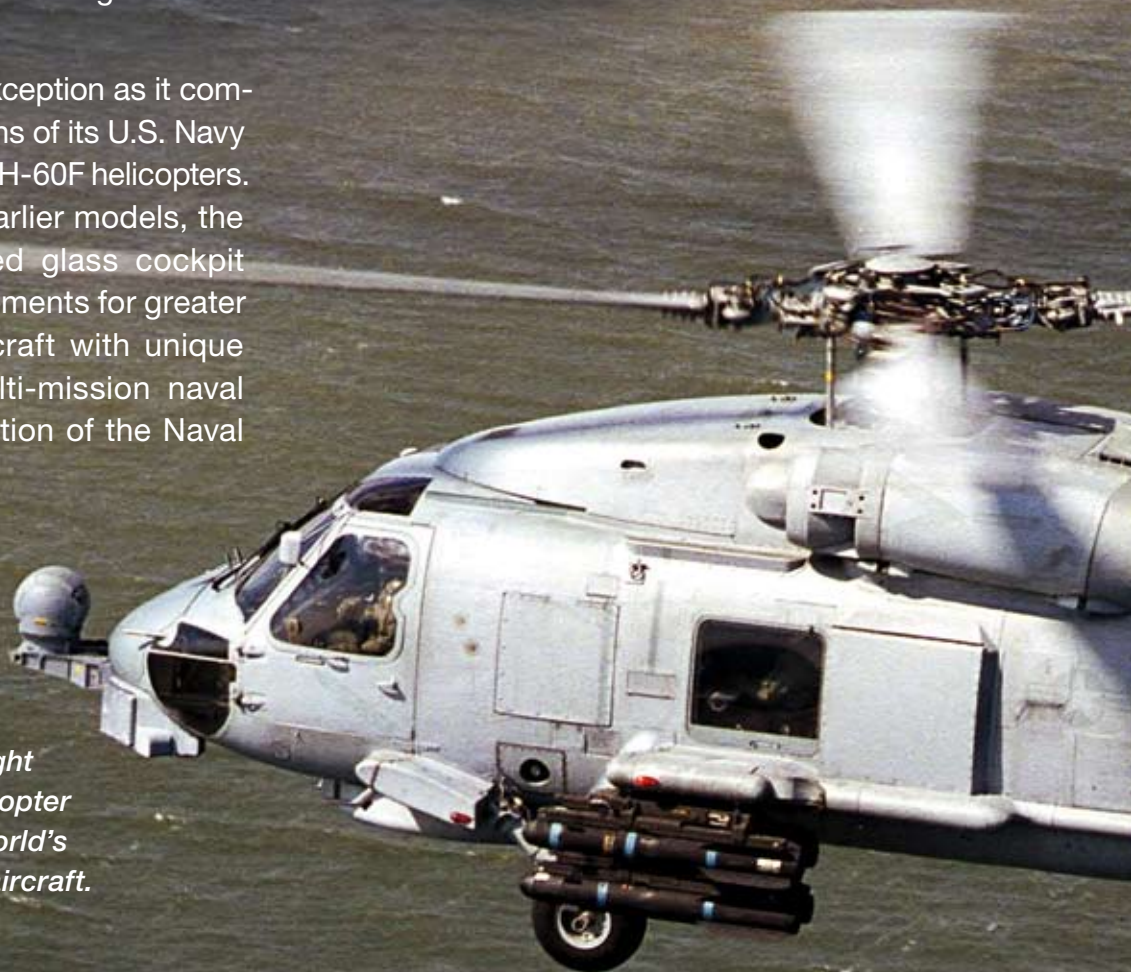


A pioneer in vertical flight systems, Sikorsky has built four generations of high-performing maritime helicopters.

The MH-60R SEAHAWK is no exception as it combines all of the traditional missions of its U.S. Navy predecessors, the SH-60B and SH-60F helicopters. Greatly enhanced over these earlier models, the MH-60R features an upgraded glass cockpit and significant mission improvements for greater flexibility. The result is an aircraft with unique capability as an airborne multi-mission naval platform and a fitting continuation of the Naval Hawk's legacy of success.

A global fleet of more than 600 Naval Hawks has flown more than 2.5 million flight hours under the most demanding conditions.

THE BOTTOM LINE *Building on eight decades of Sikorsky's naval helicopter experience, the MH-60R is the world's premier maritime multi-mission aircraft.*





Unmatched Multi-Mission Naval Capabilities



The MH-60R helicopter is designed to operate from frigates, destroyers, cruisers and aircraft carriers. Its missions include:

- Anti-Submarine Warfare (ASW)
- Anti-Surface Warfare (ASuW)
- Search and Rescue (SAR)
- Naval Gunfire Support (NGFS)
- Surveillance
- Communication Relay
- Logistics Support
- Personnel Transfer
- Vertical Replenishment (VERTREP).

By acquiring MH-60R aircraft, Naval Forces can immediately benefit from the extensive avionics development and airframe refinement inherent in this unmatched platform. These advantages include:

- Common Digital Cockpit
- Dipping sonar
- Multi-mode radar
- Forward Looking Infrared (FLIR)
- Link-16
- Electronic Support Measures (ESM)
- Missiles and machine gun
- Torpedoes and sonobuoys
- Countermeasures Dispensing Systems/Infrared Counter Measures (CMDS/IRCM)
- Night Vision Goggle (NVG) compatibility
- Full tactical and mission capability
- ARC-210 radios (Voice/UHF/VHF/Satcom)
- Integrated self defense
- Sensor Data Link
- Acoustic processor
- HOL operating software
- Digital ICS
- Navigation systems.

THE BOTTOM LINE *The MH-60R features the most advanced mission systems available.*



Superior Multi-Mission Cockpit





The Lockheed Martin avionics suite Common Cockpit™, based on open systems architecture and Commercial Off The Shelf technology (COTS), plays a vital role in support of information management and interoperability. Additionally, its scalable architecture and modular design enhances affordability, while meeting functional and growth requirements.

The fully-integrated glass cockpit and mission sensor suite of the MH-60S delivers maximum functionality, while increasing safety and reducing pilot overload.

The U.S. Navy Common Cockpit incorporates avionics equipment advances in the following areas:

- Four 8 x 10 inch (20.3 x 25.4 cm) full color, night vision device capable, sunlight-readable, multi-function mission and flight displays
- Fully digital communication suite
- Common programmable keysets for pilots and aircrew
- Fully integrated global positioning satellite unit/inertial navigation system
- Mass memory data storage device
- Ruggedized integrated mission computer
- Flight management computer and operational software.

THE BOTTOM LINE *The advanced cockpit in the MH-60R maximizes multi-mission flexibility while enhancing safety and reducing pilot workload.*

Flexible Response for Mission Success

The MH-60R helicopter plays a key role in the U.S. Navy's maritime dominance posture by providing its multi-mission capabilities from the decks of all naval aviation capable platforms, including carriers, cruisers, amphibious ships, destroyers and frigates.

The MH-60R offers standard and optional equipment for superior offensive and defensive operations in open-ocean and littoral environments. It is ideal for handling numerous contacts in a confined space. This capability supports the U.S. Navy's Network Centric Warfare vision and enhances overall mission effectiveness.

By selecting the MH-60R, modern navies worldwide will benefit from interoperability with the U.S. Navy fleet, which translates into synergistic operations that produce a greater total combat capability as well as common support.

THE BOTTOM LINE *The dynamic multi-mission approach inherent in the MH-60R helicopter delivers maximum flexibility and superior interoperability.*





Unparalleled Safety and Survivability





When it comes to survivability, it's hard to top the MH-60R helicopter. The MH-60R has built-in tolerance to small-arms fire and most medium-caliber high-explosive projectiles. Plus, like the BLACK HAWK, it incorporates airframe and landing gear features for a high degree of battlefield survivability. Additionally, it possesses redundant/ballistically hardened flight controls, a self-sealing, crash-resistant fuel system and energy-absorbing landing gear and crew seats.

Important MH-60R survivability and crashworthiness features include:

- 1 Redundant flight control system
- 2 Ballistically tolerant upper controls and hub
- 3 23 mm tolerant main rotor blades
- 4 Redundant fail-safe tail rotor controls
- 5 Self-sealing fuel tanks
- 6 High mass components retained in 20/20/10G crash conditions
- 7 Modular transmission with fail-safe lubrication
- 8 Triple redundant hydraulic and electrical system
- 9 Spall-resistant windshield and cockpit structure
- 10 Jettisonable cockpit windows
- 11 Load limiting crew seats
- 12 Energy absorbing landing gear

THE BOTTOM LINE *The MH-60R combines the latest in safety and survivability enhancements with the ruggedness of the crashworthy, battle-proven BLACK HAWK and SEAHAWK helicopters.*

Unmatched Service and Support

Support from Sikorsky is fast, knowledgeable, on site and on time.

Naval Forces flying the MH-60R will benefit from the economies of scale inherent in the U.S. Navy's long-term support of a fleet of more than 250 MH-60R aircraft. With the U.S. Navy leading the way, potential logistics issues arising from parts obsolescence are eliminated, and operators may participate in future upgrade programs as they become available.

Sikorsky's service solutions deliver enhanced aircraft availability and mission readiness at reduced operational costs. Programs such as Fleet Management, Performance Based Logistics (PBL) and Depot Partnerships are just a few of the innovative services designed to increase flying time, improve ease of use and reduce ownership costs.

Additionally, MH-60R operators will have instant access to electronic product technical manuals, updates and training, thereby benefiting from today's fast paced information environment.

THE BOTTOM LINE *The MH-60R worldwide customer service team will work with you to maximize readiness, improve ease of use and reduce costs.*





Additional Maritime Capability

The MH-60R helicopter was designed to support the U.S. Navy's helicopter master plan and meet mission requirements for maritime dominance—and it does all that and more.

As the entire spectrum of maritime rotary wing mission requirements cannot be addressed by a single aircraft model, the U.S. Navy will rely on a combination of MH-60R and MH-60S helicopters to meet all of its needs.

The MH-60S helicopter complements the mission capabilities of the MH-60R by performing troop transport, Airborne Mine Countermeasures (AMCM), armed helicopter and naval special warfare support missions.

Additionally, the MH-60R and MH-60S share the identical multi-function digital glass cockpit. The airframe and cockpit commonality between the two aircraft provide exceptional flexibility of support, maintenance and training, thereby yielding significant savings.

While they are both strong performers individually, together they can provide the most complete and complementary package of capabilities for maritime customers.

THE BOTTOM LINE *The MH-60R and MH-60S deliver a complete package of capabilities for modern maritime customers.*





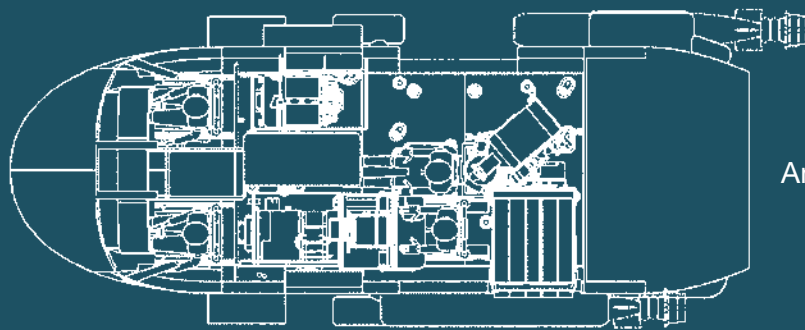
MH-60R Configuration

	ASW	ASuW	SAR	VERTREP/ Logistics
Fully marinized T700-GE-401(C) engines with integrated particle separator	•	•	•	•
Auxiliary power unit	•	•	•	•
Recovery Assist and Traversing System (RAST)/ Aircraft Ship Integrated Secure and Traverse System (ASIST)	•	•	•	•
Multi-mode search radar	•	•	•	•
Integrated avionics with 1553 data bus	•	•	•	•
Inertial/GPS navigation system	•	•	•	•
Secure VHF/UHF communication	•	•	•	•
Satellite communication	•	•	•	•
Electronic support measures	•	•	•	•
Environmental control system	•	•	•	•
Automatic main rotor blade fold	•	•	•	•
Manual tail pylon fold	•	•	•	•
Manual stabilator fold	•	•	•	•
Automatic rotor brake	•	•	•	•
Enhanced Advanced Flight Control System (AFCS) with naval modules and coupled hover capability and tow couple	•	•	•	•
Fuel dump	•	•	•	•
External rescue hoist	•	•	•	•
Sealed tub design	•	•	•	•
Auxiliary internal fuel tanks, 200 gal (757 l) each	•	•	•	•
Single cabin sliding door	•	•	•	•
Common cockpit, advanced digital glass cockpit	•	•	•	•
FLIR/NVG capability	•	•	•	
Sonobuoy launcher	•			
Dipping sonar	•			
Four weapon stations	•	•		
Aircraft Survivability Equipment (ASE): Missile Warning System (MWS), Laser Warning System (RWS), Infrared (IR), jammers, chaff/flare		•		
Crashworthy seats			•	•
6,000 lb (2721.55 kg) cargo hook				•

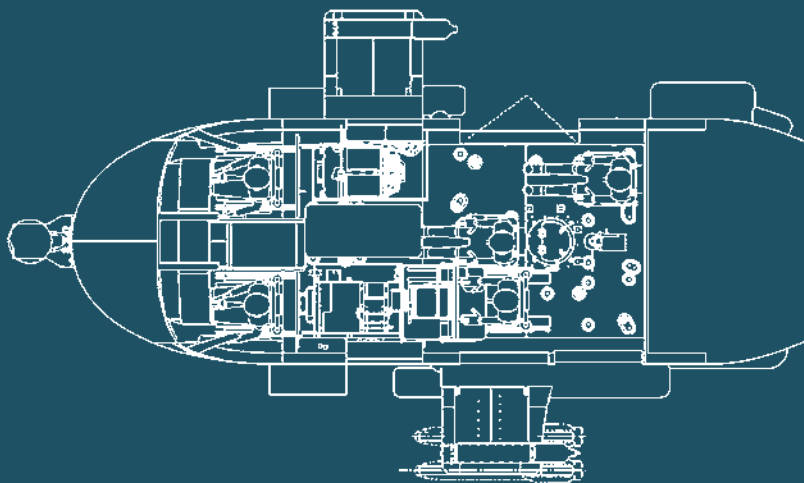
Note: Aircraft comes with everything installed on it. Certain equipment is removed at the time of the mission.

Communication, navigation and mission equipment shall comply with U.S. exportability requirements.

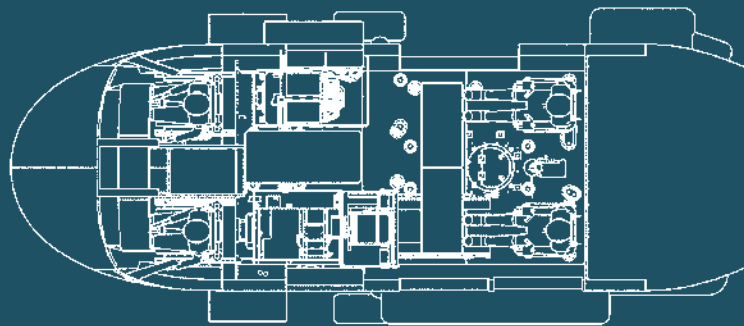
MH-60R Multi-Mission Flexibility



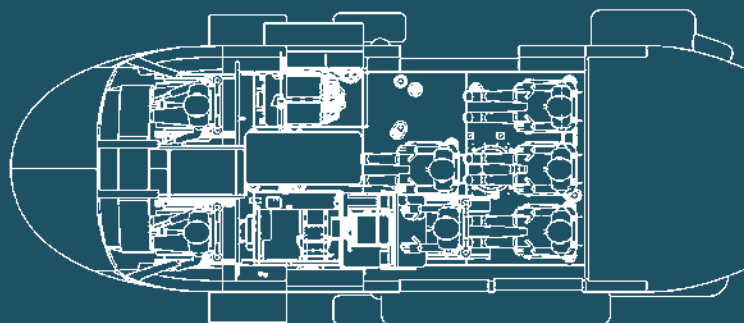
Anti-Submarine Warfare
(ASW)



Anti-Surface Warfare
(ASuW)



Search and Rescue
(SAR)



Vertical Replenishment
(VERTREP)

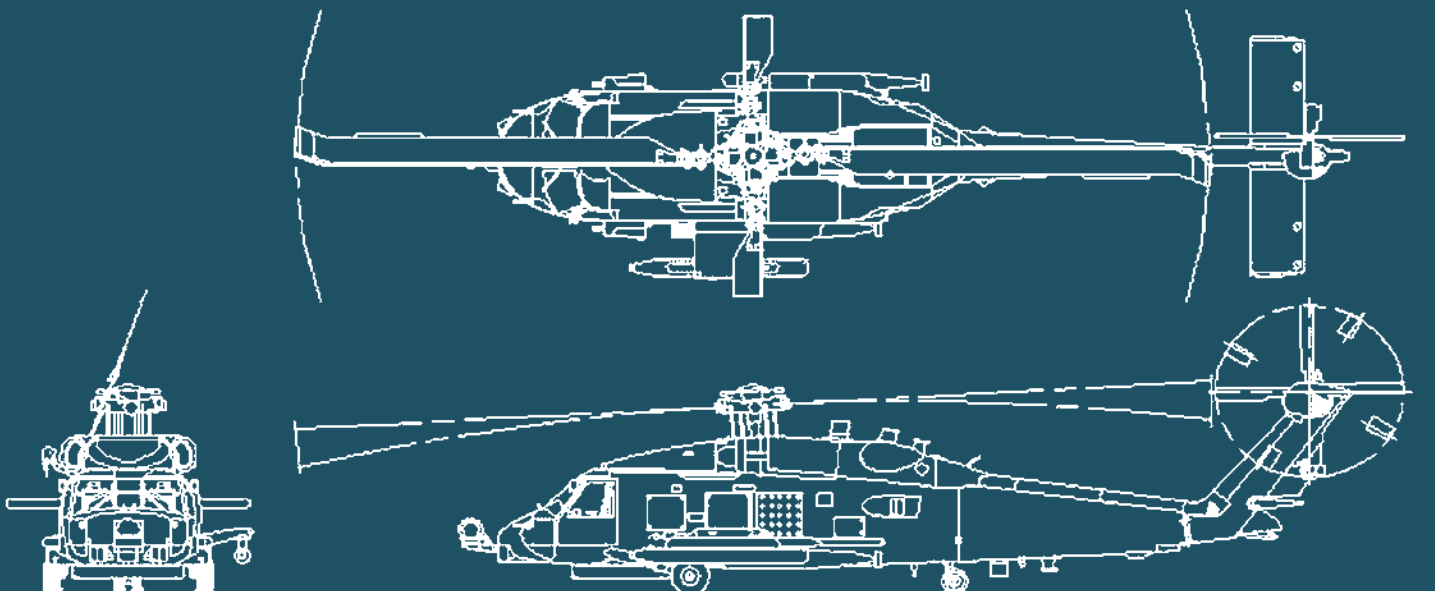
MH-60R Specifications

Characteristics

Maximum takeoff gross weight	22,500 lb	10,206 kg
Mission gross weight ASW	22,420 lb	10,170 kg
Mission gross weight ASuW	21,649 lb	9,820 kg
Maximum useful load ASW	6,620 lb	3,003 kg
Maximum useful load ASuW	6,049 lb	2,744 kg
Time on station ASW		1.5 hrs
Time on station ASuW		1.8 hrs
Cruise speed at MCP (TOGW, ASW)	136 kts	252 km/h
Hover ceiling (OGE, TOGW, ECS off, ASW)	530 ft	162 m

Dimensions

Operating width	53 ft 8 in	16.4 m
Operating length	64 ft 10 in	19.8 m
Operating height	16 ft 9 in	5.1 m
Folded length	41 ft 1 in	12.5 m
Folded height	13 ft 4 in	4.1 m
Wheelbase	15 ft 6 in	4.7 m
Main rotor diameter	53 ft 8 in	16.4 m
Tail rotor diameter	11 ft 0 in	3.3 m



There are those who fly. And those who fly Sikorsky.


Sikorsky Naval Hawk helicopters have been operating for decades, accumulating more than 2.5 million flight hours, surpassing by far any other naval fleet. With an estimated 14,000 flight hours monthly, Naval Hawks will continue to be the predominant global maritime rotary wing force.

For elite military operators, Sikorsky is the only way to fly. As the world's premier provider of military rotorcraft, we go above and beyond to deliver a complete helicopter experience. Sikorsky not only sets the standard for rotorcraft excellence and safety — we exceed it with:

- Innovative solutions
- A proven family of high-performing helicopters
- Superior value
- Unparalleled service and support.

In the world of vertical flight, one name stands above the rest. Sikorsky.

For a confidential consultation, demonstration or for more information about the MH-60R helicopter, please contact our military marketing specialist.



There are those who fly.
And those who fly Sikorsky.



Sikorsky

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