

## MH-60R SEAHAWK® Evolution



As the most modern members of the SEAHAWK family, the MH-60R and MH-60S helicopters bring powerful new capabilities to the U.S. fleet with digital cockpits and mission-adaptive systems. The SEAHAWK helicopter family has more than three million flight hours with more than 600 SEAHAWK helicopters in service worldwide. Sikorsky helicopters, with more than 60 years of experience in performing maritime missions, has continuously improved survivability and safety of these helicopters through:

1. Redundant flight control system
2. Ballistically tolerant upper controls and hub
3. 23mm ballistically 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. Protective seating for all crew members
12. Energy absorbing landing gear

## MH-60R Airframe Characteristics and Dimensions

- Mission gross weight
  - Surface Warfare (SUW) ..... 21,290 lb 9,657 kg
- Maximum takeoff gross weight. 23,500 lb 10,681.82 kg
- Engines ..... (2) T700-GE-401C
- Mission endurance
  - SUW ..... 3.30 hours
- Dash speed ..... 140 kts
- Weapons ..... Anti-ship missiles, torpedoes, 50 cal. guns
- Auxiliary fuel ..... Up to two external tanks

### Dimensions

- Operating length ..... 64.83 ft 19.76 m
- Operating width ..... 53.66 ft 16.35 m
- Operating height ..... 16.70 ft 5.10 m
- Folded length ..... 41.05 ft 12.51 m
- Folded width ..... 11.00 ft 3.35 m
- Folded height ..... 12.92 ft 3.94 m
- Main rotor diameter ..... 53.66 ft 16.35 m
- Tail rotor diameter ..... 11.00 ft 3.35 m

## The U.S. Navy's Combat Helicopter

- MH-60R is the most capable and mature Anti-Submarine Warfare (ASW) Anti-Surface Warfare (ASuW) multi-mission helicopter available in the world today
- MOTS: Low schedule, technical and financial risks
- Over 50,000 operational flight hours achieved to date
- More than 100 of an eventual 300 MH-60R aircraft have been delivered to the U.S. Navy
- Continued USN commitment to technology insertion and tip-to-tail life-cycle management
- Fully interoperable with USN and NATO standards – key node in network centric warfare

For more information on Team SEAHAWK, visit [www.mh-60.com](http://www.mh-60.com) or visit us on Twitter @ MH60R

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# MH-60R

## 21st Century Multi-Mission Maritime Excellence



**Operational with U.S. Navy  
Available Internationally**



**Sikorsky**

A United Technologies Company

LOCKHEED MARTIN



## MH-60R Enhanced Multi-mission Sensor Systems

- Open, scalable, plug and play avionics architecture, capable of growth with minimal impact on current avionics systems
- Capable of launching eight HELLFIRE® missiles from right and left extended pylons
- Second generation integrated AAS-44 Forward-Looking Infrared (FLIR) system for expanded night vision and HELLFIRE targeting capability
- New APS-147 multi-mode radar with long/short range search Inverse Synthetic Aperture Radar imaging and periscope detection modes
- Integrated AQS-22 Airborne Low Frequency Sonar with expanded littoral and deep-water capability, including concurrent dipping sonar and sonobuoy processing capability
- Military-off-the-shelf (MOTS) based mission and flight management computers
- Advanced ALQ-210 Electronic Support Measures (ESM) system for passive detection, location and identification of emitters
- Sensor data integrated into actionable information provides threat assessment and superior situational awareness of the digital battlefield
- Data link for radar, FLIR, voice, acoustics, ESM and mission display



Lockheed Martin integrates the many mission systems and sensors that make an MH-60 into the Romeo, the most advanced ASW/ASuW helicopter in the world.

- Integrated Self Defense system providing Chaff and Flare countermeasures, and self-protection for RF, IF and Laser threats
- Proven network centric warfare capabilities achieve greater effectiveness and situational awareness
- The MH-60 Tip-to-Tail Performance Based Logistics System significantly increases contract affordability through improved performance and cost reductions
- U.S. Navy maritime combat helicopter for the next 30 years

## State-of-the-Art Common Cockpit Avionics Systems

- Four 8 x 10 in (20.3 x 25.4 cm) full-color flight and mission displays
- Full digital communications suite
- Full integrated global positioning satellite unit/inertial navigation system
- Mass memory data storage unit
- Ruggedized integrated mission computer
- Flight management computer and operations software
- Full-color, night vision capable, sunlight readable glass cockpit, common with USN MH-60S helicopters

