



Sikorsky S-70B SEAHAWK[®] Helicopter
Proven multi-mission maritime system





Proven

The S-70B SEAHAWK® helicopter weapon system provides international navies with a highly integrated, multi-sensor system that is one of the most efficient operator interfaces in the helicopter industry.

Built on Sikorsky's long legacy of battle-proven helicopters with advanced controls, displays and decision aids, the S-70B SEAHAWK helicopter is a modern, flexible weapon system that combines the best of U.S. and International Navy capabilities to satisfy the autonomous war-fighting needs of the high-density, information-intensive littoral and open-ocean maritime environments.

Additionally, the S-70B helicopter's communication, navigation, and aircraft landing footprint enables modern navies worldwide to benefit from future decades of military interoperability with the U.S. Navy.

THE BOTTOM LINE

*A versatile and cost-effective multi-mission maritime system. Available now.
Sikorsky S-70B SEAHAWK helicopter.*

Naval Helicopter Legacy



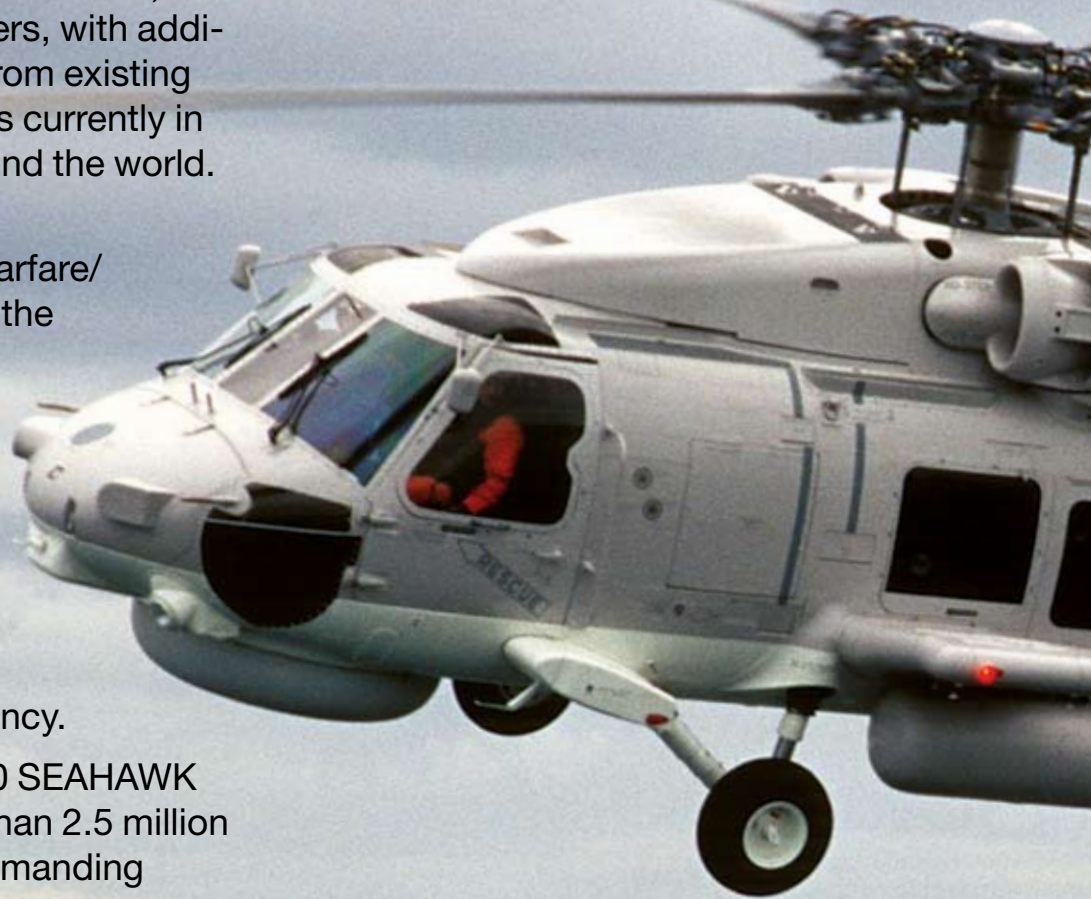
A pioneer in vertical flight systems, Sikorsky has produced four generations of high performance maritime helicopters.

The S-70B SEAHAWK® helicopter is no exception as it combines all of the traditional missions of its U.S. Navy predecessors, the SH-60B and SH-60F helicopters, with additional capabilities integrated from existing SEAHAWK product derivatives currently in service with many navies around the world.

Greatly enhanced over earlier generation Anti-Submarine Warfare/ Anti-Surface Warfare models, the S-70B SEAHAWK helicopter features the third generation of fully integrated glass cockpit that incorporates significant mission sensor improvements for greater flexibility, at unprecedented levels of cockpit and mission management system redundancy.

A global fleet of more than 600 SEAHAWK helicopters have flown more than 2.5 million flight hours under the most demanding conditions.

THE BOTTOM LINE *Six decades of Sikorsky's naval helicopter experience has made the S-70B SEAHAWK helicopter an advanced maritime multi-mission solution.*





Unmatched Multi-Mission Naval Capabilities





The S-70B helicopter is designed to operate from frigates, destroyers, cruisers and aircraft carriers. Mission capabilities include:

- Anti-Submarine Warfare (ASW)
- Anti-Surface Warfare (ASuW)
- Search and Rescue (SAR)
- Gunfire support
- Surveillance
- Vertical Replenishment (VERTREP)

By acquiring the S-70B SEAHAWK® helicopter, maritime forces can immediately benefit from the extensive avionics development and airframe refinement inherent in this platform. These operational capabilities include:

- Pilot optimized integrated glass cockpit
- Low frequency dipping sonar
- Multi-mode radar
- Forward Looking Infrared (FLIR) with integrated TV/FLIR mode
- Electronic Support Measures (ESM) with radar warning
- Various missile and crew weapon provisions
- Torpedo and sonobuoy provisions
- Night vision compatibility
- Integrated self defense
- Multi-station ICS capability
- Surface search radar
- Integrated navigation systems
- Integrated communication systems
- Tactical data link (STANAG or MIL-STD message sets)

THE BOTTOM LINE *The S-70B SEAHAWK helicopter provides a pilot-oriented, integrated sensor suite that is one of the most cost effective solutions available.*



Advanced Multi-Mission Cockpit





A state-of-the-art, advanced avionics system, with a fully-integrated glass cockpit plays a vital role in supporting information management. The scaleable and modular architecture is built upon modern processors and interfaces, including Ethernet. This enhances affordability while providing an unprecedented potential for platform growth capability for the future.

The fully-integrated glass cockpit and mission sensor suite of the S-70B SEAHAWK® helicopter delivers maximum functionality, while increasing safety and reducing pilot and crew workload.

Key features of the integrated avionics system include:

- Four redundant 10-inch diagonal full color, night vision compatible, sunlight readable, Multi-Function Displays (MFD)
- Digital Automatic Flight Control System (DAFCS) with 4 axis coupled flight director, SAR and tactical modes
- Dual Flight Management System (FMS) that allows for operation in both civil and military environments
- Fully-integrated communication suite that provides the latest advancements in HF, UHF, VHF, and digital data-link
- An advanced navigation suite featuring redundant embedded global positioning/inertial navigation system (GPS/INS)

THE BOTTOM LINE *The advanced cockpit of the S-70B SEAHAWK helicopter maximizes multi-mission flexibility while enhancing safety and reducing pilot workload.*

Flexible Response for Mission Success

The S-70B helicopter plays a key role in establishing a dominant maritime 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 S-70B helicopter 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.

By selecting the S-70B helicopter, modern navies worldwide will benefit from Sikorsky's commitment to superior support that is engaging and customized to meet your needs. Keeping you mission-ready is our number one priority.

THE BOTTOM LINE *The dynamic multi-mission approach inherent in the S-70B helicopter delivers maximum flexibility and superior performance.*





Unparalleled Safety and Survivability





When it comes to survivability, it's hard to top the S-70B helicopter. The S-70B helicopter has built-in tolerance to small-arms fire and most medium-caliber high-explosive projectiles. Plus, like the BLACK HAWK helicopter, 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, crashworthy fuel system and energy-absorbing landing gear and crew seats.

Important S-70B helicopter 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 doors and windows
- 11 Load limiting crew seats
- 12 Energy absorbing landing gear

THE BOTTOM LINE *The S-70B helicopter combines the latest in safety and survivability enhancements with the ruggedness of the crashworthy, battle-proven BLACK HAWK and SEAHAWK® helicopters.*

Unmatched Training, Service and Support

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

Sikorsky has successfully trained customers from around the world since 1945. Whether it's aircraft familiarization, maintenance training or flight school, Sikorsky works one-on-one with each customer to ensure all aspects of the mission are met.

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, S-70B helicopter 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 S-70B helicopter worldwide customer service team will work with you to maximize readiness, improve ease of use and reduce costs.*





Maritime Capability for International Navies





The S-70B SEAHAWK® helicopter is a key asset in sustaining maritime operations everywhere... every time.

A robust design allows the SEAHAWK helicopter to operate in any weather condition, day or night. This capability enables commanders to continue the mission without pause.

Whether you are performing anti-submarine warfare or VERTREP, the SEAHAWK helicopter will work to get the mission done.

Our legendary aircraft are capable of performing a wide variety of mission tasks. The S-70B SEAHAWK helicopter is no exception. With the combination of mission attributes such as enhanced digital AFCS with SAR modes, state-of-the-art communications, FLIR, long-range performance, rescue hoist, versatile cargo floor and your specific mission sensor system, the S-70B SEAHAWK helicopter is a superb choice for all of your maritime requirements.

THE BOTTOM LINE *The S-70B helicopter delivers a complete solution for modern maritime customers.*

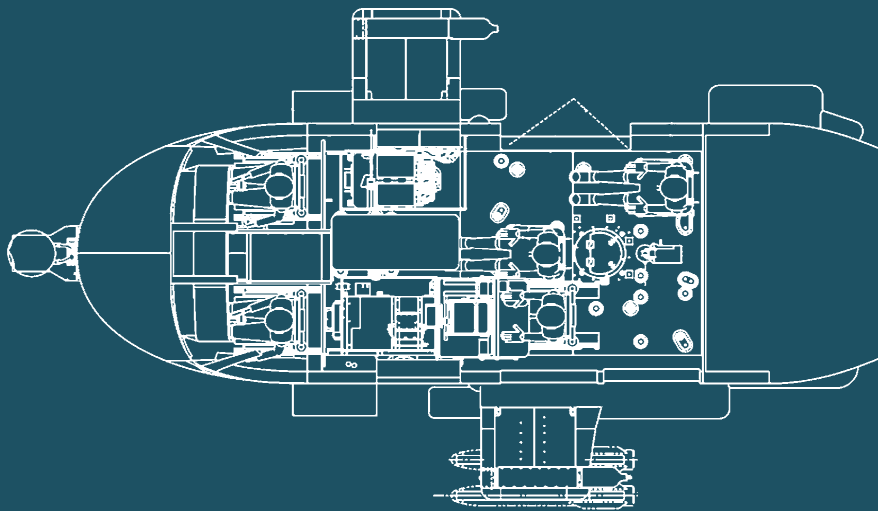


S-70B Helicopter Configuration

	ASW	ASuW	SAR	VERTREP
Fully marinized T700-GE401C 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	•	•	•	•
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	•	•	•	•
Fuel dump	•	•	•	•
External rescue hoist	•	•	•	•
Sealed tub design	•	•	•	•
Single cabin sliding door	•	•	•	•
Integrated glass cockpit	•	•	•	•
FLIR/NVG capability	•	•	•	
Sonobuoy launcher	•			
Dipping sonar	•			
Up to four weapon stations	•	•	•	•
Aircraft Survivability Equipment (ASE)	•	•	•	•
Crashworthy seats	•	•	•	•
6,000 lb (2721.55 kg) cargo hook			•	•

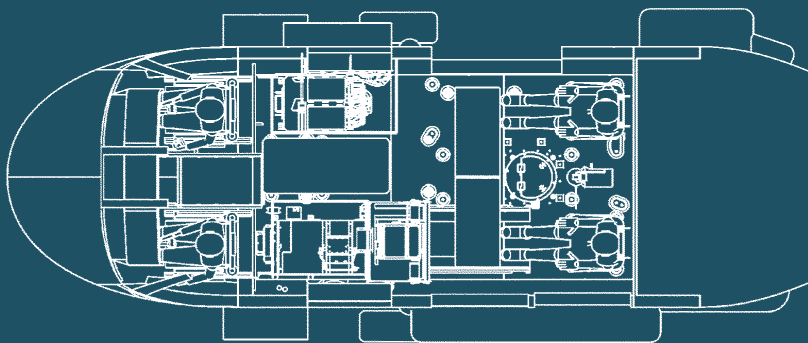
Note: Communication, navigation and mission equipment shall comply with U.S. exportability requirements

S-70B Helicopter Multi-Mission Flexibility

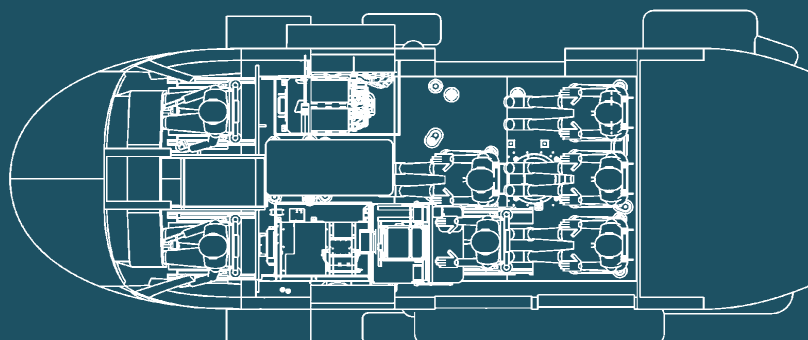


Anti-Surface Warfare
(ASuW)

Anti-Submarine Warfare
(ASW)



Search and Rescue
(SAR)



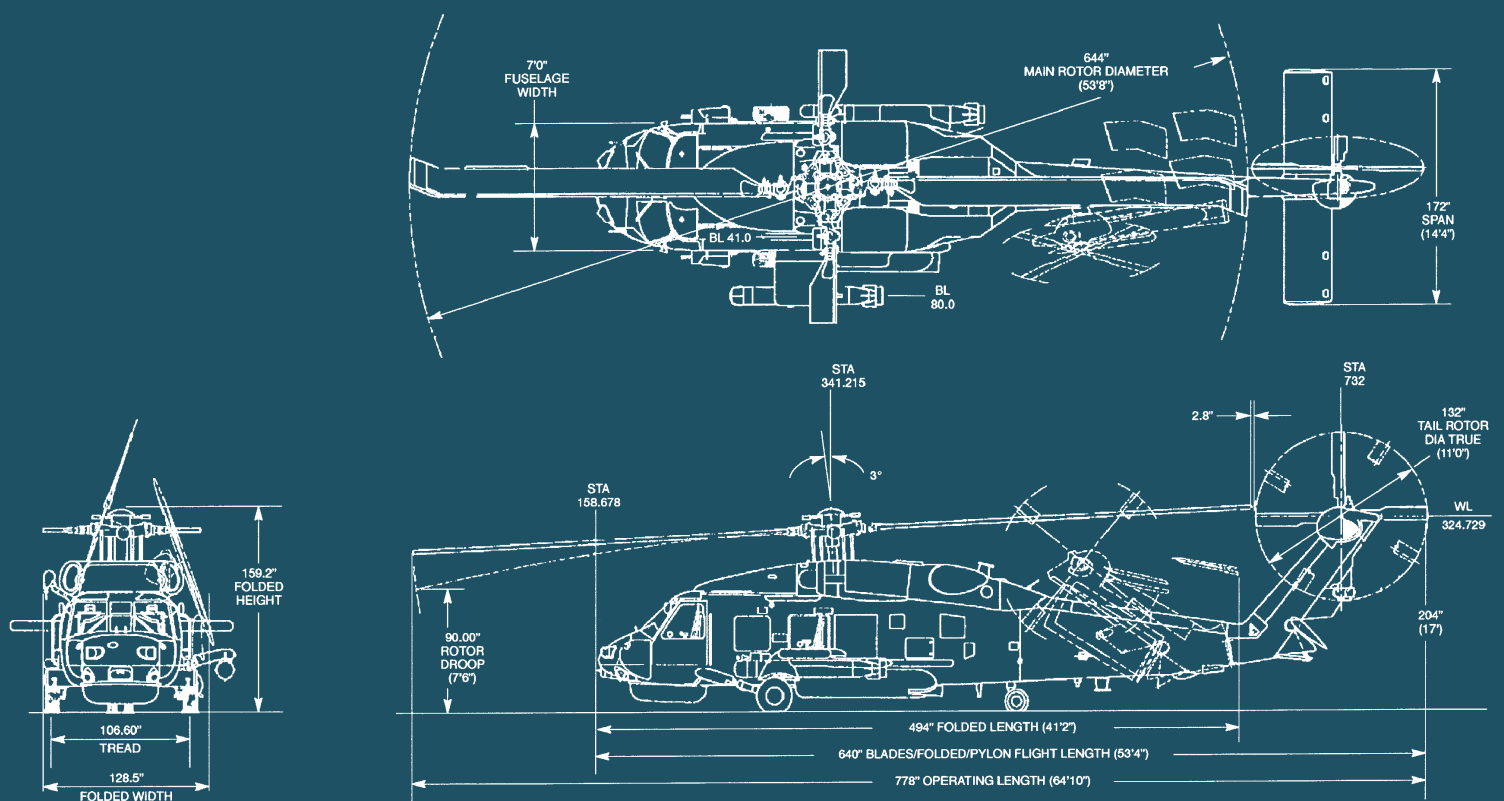
Vertical Replenishment
(VERTREP)

S-70B Helicopter Specifications

Performance

Maximum gross weight	21,884 lbs	9,926 kg
Maximum cruise speed*	146 kts	270 km/hr
HIGE ceiling	15,989 ft	4,873 m
HOGE ceiling	11,222 ft	3,420 m
AEO service ceiling	11,864 ft	3,616 m
Number of engines	2	
Engine type	T700-GE401C	
Take-off shaft horsepower	3,426 shp	
OEI shaft horsepower	1,911 shp	
Cabin width	6.1 ft	1.8 m
Cabin height	4.4 ft	1.3 m
Cabin area	65 sq. ft	6.0 sq. m
Cabin volume	299 cu. ft	8.5 cu. m

*Standard day, sea level



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


Sikorsky SEAHAWK® 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, SEAHAWK® helicopters 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 S-70B helicopter, please contact our military marketing specialist.



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



Sikorsky

A United Technologies Company

6900 Main Street, Stratford, Connecticut 06615 USA
+1 (800) WINGED-S (946-4337) or +1 (203) 386-4282
www.sikorsky.com