SIKORSKY
S-92®
SEARCH AND RESCUE HELICOPTER
In today’s environment, civil, military, and government helicopter operators confront performance imperatives and budget realities that have never been more demanding.

These operators have new and emerging opportunities and requirements to perform. They need and want the newest technology and the best, most reliable equipment available to perform multiple missions, including search and rescue, combat search and rescue, airborne law enforcement or cargo but can’t afford to overpay for a system.

Sikorsky has responded with the S-92® helicopter: the ideally sized and priced search and rescue helicopter. Cost-effective to own and operate, the S-92 helicopter delivers a modern cockpit with an automatic flight control system with auto-hover, a designated cabin console with an unrivaled stand-up cabin accommodating auxiliary fuel tanks, medical litter kits and ample space for storage.

The S-92 helicopter has an impressive record of reliability; and the complete backing and support of Sikorsky Aircraft – the search and rescue innovator. The all-weather capable S-92 helicopter is available now as the off-the-shelf platform of choice for search and rescue missions worldwide. It’s a powerful search and rescue tool, so when people are relying on you, you can rely on the S-92 helicopter.

S-92® is a registered trademark of Sikorsky Aircraft Corporation. All rights reserved.
Building on Our SAR Heritage

In the world of vertical flight, one name stands above the rest. Long known for setting the standard of excellence for the world’s civil and military helicopters, Sikorsky Aircraft has exceeded operator expectations with the S-92 helicopter.

The all-weather capable S-92 is the latest in a family of Sikorsky helicopters that have been delivering hope around the world for six decades, fulfilling Igor Sikorsky’s vision of the helicopter as a life saving tool. For the challenging requirements of search and rescue, combat search and rescue, casualty evacuation, homeland security, airborne law enforcement and more, customers continue to turn to Sikorsky and its unmatched legacy of search and rescue experience and effectiveness.

The high-technology S-92 helicopter is certified to the latest FAA/JAA Part 29 regulations, while incorporating benefits such as active vibration control, composite blades, and an array of the most advanced safety features that are a generation ahead of competitive helicopters. It’s the ideal helicopter for people in need because it was designed to get in and get people out, safely and reliably, mission after mission, rescue after rescue.

World-class SAR operators have begun to supplement their fleets of reliable Sikorsky S-61™ helicopters with the S-92 helicopter.
A RICH SAR HERITAGE

Sikorsky Aircraft’s legacy of lifesaving began more than 60 years ago with the world’s first airborne rescue, and continues today. The S-92 incorporates the latest advances in search and rescue technology.
Technology that Delivers a Mission Advantage is Key to Sikorsky’s S-92 Helicopter

Speed, stability and responsiveness are all key components to search and rescue effectiveness, and, again, the S-92 helicopter delivers on all counts.

The S-92 cockpit design reduces pilot workload, and has exceptional handling qualities and maneuverability during approach, hover and landing. Smart and simple to operate, the S-92 helicopter features the Rockwell Collins/Sikorsky Avionics Management System, which presents audio cues along with intuitive flight symbology and systems data on four fully redundant Multi Function Liquid Crystal Displays with a fifth display optional. Especially beneficial is the SAR Automatic Flight Control System (AFCS) functionality, which integrates weather radar, thermal imagers and other search sensors. The S-92 AFCS has auto-hover and the ability to fly to a geographic waypoint, and the cockpit offers an industry-leading field of view.

The S-92 helicopter combines the agility to fly in and out of tight spaces with the power needed to fly in challenging environments while carrying heavy loads. It also meets the single-engine inoperative requirements of JAR Ops 3.
**SUPERIOR SAR DISPLAYS**

Pilots benefit from the S-92 Universal Flight Management System with Multi Mission Management System, which provides search patterns to multi-function displays.

**MARKET ON TARGET APPROACH**

(Automatic Approach to Survivor Location)

**PHASE 1**
- Aircraft position loaded into FMS and both Flight Directors
- Radar Altitude Hold engaged for 6 seconds

**PHASE 2**
- Deceleration to 80 knot airspeed, descent

**PHASE 3**
- IAS Hold engaged, Radar Altitude Hold engaged at 200 feet

**PHASE 4**
- Radar Altitude Hold remains engaged
- Aircraft turns into wind

**PHASE 5**
- APR2 Mode engages
- Deceleration to 0 knots, descend to 50 ft RAD ALT

Whether you need to perform a complex civil or military rescue operation or deliver food and water, the S-92 helicopter is the ideal aircraft, with the robust flexibility and performance required for the search and rescue mission.

The S-92 offers the largest cabin in its class. The cabin is 20-feet long (6.10 m), 6.6-feet wide (2.01 m) and six-feet high (1.83 m) — tall enough for passengers and crew to stand and move comfortably. It rapidly converts to perform a variety of missions, including SAR, airborne law enforcement, cargo, mass casualty evacuation and more.

The spacious cabin can accommodate:
- One or two optional auxiliary fuel tanks (210 gallons each)
- Designated operator console
- One or two triple NATO-standard litter kits
- Cargo box to organize and store equipment
- Sea tray designed to protect the cabin floor from salt water
- Ample room to move about

The seats, fuel tanks and litter kits can quickly and easily be stowed or removed for maximum mission flexibility.

The full-height 50-inch right-side sliding door is large enough to easily accommodate a standard stokes litter with unrestricted rescue hoist access.

The S-92 helicopter can be equipped with single or dual rescue hoists. Each hoist can lift 600 pounds (272 kg) and is electrically powered and controlled, providing 290 feet (88.4 m) of usable cable with a spotlight.

The S-92 helicopter also includes a nearly 7-foot-wide rear ramp (2.13 m) that enables quick and easy cargo loading and offloading. The ramp compartment also provides additional stowage space.

Even in the toughest scenarios, Sikorsky’s S-92 helicopter performs. The S-92 features an advanced rotor system, and 5,000+ installed horsepower twin turboshaft engines for exceptional range.

It can fly programmed search patterns for one hour at 185 nautical miles (343 km) with standard fuel and 320 nautical miles (593 km) with aux fuel. With standard fuel the S-92 helicopter can rescue 2 survivors at 210 nautical miles (384 km) and ten at 175 nm (324 km). With the optional auxiliary tanks installed these distances expand out to 320 nm (593 km) and 285 nm (582 km). What’s more, it has ample power reserves to work with heavy loads in high-density altitudes.

When severe weather strikes, the S-92 helicopter will weather the storm with ease, keeping crew and passengers secure. The aircraft is FAA and JAA certified to fly in known icing conditions with optional protection for the main rotor and tail rotor, and standard protection for the engine inlets, windshield and air data system.

---

OUTSTANDING RANGE

With 30-minute reserve:

- Range is 467 nm (865 km) with normal fuel
- Range is 802 nm (1,485 km) with two 210-gallon internal aux tanks
OPTIONS MAXIMIZE MISSION EFFECTIVENESS

Sikorsky offers a robust menu of standard and optional equipment that allows operators to customize the already well-equipped S-92 helicopter and further enhance mission effectiveness.

**CABIN**
- Provisions for 22 side-facing utility seats*

**COMMUNICATIONS/NAVIGATION**
- HF radio
- Weather radar
- Fifth multi-functional display
- Secure communication†

**SEARCH AND RESCUE**
- Right- and left-side bubble windows
- Forward Looking Infrared (FLIR)
- SAR Automatic Flight Control System (AFCS)
- Dual rescue hoist with spotlight
- Digital map†
- Internal auxiliary fuel
- Wire strike protection†
- Cargo hook†

* 22 passenger configuration not FAA certified
† Optional equipment
**Safety That’s a Generation Ahead**

The only effective mission is a safe mission, where crews are kept out of harm’s way. The S-92 helicopter leads the safety category with fully redundant systems and features that are a generation ahead. Safety was designed into the S-92, making it the first helicopter to meet stringent safety requirements established by the FAA and JAA.

The S-92 helicopter’s unique suction fuel system minimizes the chance of post-crash fire and meets the highest crashworthiness standards. Energy-absorbing seats and landing gear are designed to minimize the effects of a hard landing.

The aircraft’s array of preventative safety features are equally impressive, and include redundant systems for flight controls, avionics, cockpit displays, electrical systems and engine controls, health and usage monitoring to capture and record operational flight data, plus certified bird-strike protection and turbine burst protection.

The Enhanced Ground Proximity Warning System (EGPWS and Traffic Collision Avoidance System [TCAS]) are standard equipment on the S-92 helicopter, underscoring our commitment to safety. Additionally, Sikorsky incorporated flaw-tolerant design, which maximizes the reliability of S-92 parts.

Of course, the S-92 helicopter delivers all-weather safety. Whether crews are flying in the desert, over a mountain, or across an ocean, they may fly with peace of mind day and night.

The S-92 helicopter’s weather-related safety assurances include weather radar, optional main and tail rotor ice protection, lightning protection and High Intensity Radiated Field (HIRF) protection so that critical electronic systems are protected from Electromagnetic Interference.

The S-92 incorporates a fully flaw-tolerant design for both the rotor systems and fuselage, which provides additional component safety margins to help protect against undetected flaws and minor damage.

The crashworthy sponson fuel system isolates fuel from the cabin occupants and meets the FAA/JAA highest standards.
# SIKORSKY S-92 HELICOPTER CUTTING-EDGE SAFETY FEATURES INCLUDE:

1. High visibility cockpit
2. Windshield and main engine ice protection (optional main and tail blade protection)
3. Fuselage and rotor system bird strike protection
4. Flaw tolerant rotor and dynamic system
5. Main engine turbine burst protection
6. Lightning strike protection
7. Real time bearing monitor system
8. Automatic Deployable Emergency Locator Transmitter (ADELT)
9. Crashworthy Fuselage exceeding US MIL Spec requirements
10. Emergency Floatation System (Sea State 6)
11. Crashworthy external main fuel cells
12. Crashworthy, energy absorbing passenger seats
13. High Intensity Radiated Field (HIRF) protection
14. ADSB out, TCAS II, EGPWS

**ALL-WEATHER CAPABLE**

With the optional FAA and JAA certified Rotor Ice Protection System (RIPS) installed, the S-92 helicopter can launch in any weather.
At Sikorsky, our mission is to provide the best aircraft service in the industry.

We have over 90 years of experience supporting rotorcraft deployed globally in some of the most remote locations on earth. From battlefields to offshore oil platforms, Sikorsky has proven itself year over year to be a reliable and committed source for all services needed to keep your aircraft flying and safe.

Wherever your mission takes you, Sikorsky will be there with you.

We pride ourselves on gaining a deep understanding of your operations, aircraft, and missions so we can provide proactive service and solutions to maximize your aircraft availability.

Our support begins even before you purchase your Sikorsky aircraft. We engage with your team, understand your business needs and help you choose the appropriate aircraft and provisioning based on your mission. Our comprehensive service offering include:

**Pre-Operation Services**

TO ENSURE YOU HAVE WHAT YOU NEED

- Facility Planning Services
  - Infrastructure
  - Spares Planning
  - Tooling and GSE
- Pilot/Maintenance Training
- Aircraft Delivery

**In-Operation Services**

TO ENSURE CONTINUED AIRCRAFT AVAILABILITY AND SAFETY

- Flight Hour based Warranty Programs
  - (Total Assurance Program and Powertrain Assurance Program)
- AOG Resolution
- On Site Support
- Spares/Depot Management
- Overhaul & Repair
- Aircraft Modification/Upgrade Services
- Publications
- Product Alerts and Bulletins
- Engineering Services
- Pilot/Maintenance Training

Help is Just a Call Away 1-800-WINGED-S

Our new state-of-the-art Customer Care Center is the heart of our customer support.

Open around the clock, fully staffed with technical and logistics experts, the center is ready to receive your call for assistance. All customer needs are logged, assigned and rapidly solved. Solutions are communicated as fast as possible and cases remain open until the customer confirms resolution. This center is staffed with the sole purpose of solving your needs to keep your aircraft available and flying.

The Customer Care Center is also home to our fleet analytics team that provides pro-active fleet management services. Using the daily fleet HUMS data and proprietary advanced analytics, Sikorsky measures aircraft component wear very precisely. Predicting when a spare will be needed before it is needed allows us to pre-position spares at forward stocking locations near the point of usage keeping your aircraft in the air.
State-of-the-Art Customer Care Center is open 24/7/365 to support your aircraft from Fleet Management to AOG Resolution.

Our Expanding Global Support Network provides improved access to services and rapid response to urgent customer needs.

Sikorsky Global Support
OVER 6,700 AIRCRAFT SUPPORTED

Providing global support regionally through Sikorsky-authorized service centers.

LEGEND
- FSRS
- Customer Service Centers
- Forward Stocking Locations (current & planned)
- Training Locations
Sikorsky’s S-92 Helicopter Delivers Maximum Value to Search and Rescue Operators

Economics were a prime consideration in the design of the S-92, making it unique as a thoroughly modern helicopter that is exceptionally cost effective to own and operate.

Because this helicopter was designed for longevity, the S-92 helicopter’s maintenance features have been embedded into its structure and avionics. The flaw tolerance designed into the S-92 helicopter for safety also allows original parts to remain in service much longer than with other aircraft models, lowering direct material and operating costs.

In addition to a damage-tolerant design, these cost-saving features will deliver value day in and day out for the life of the aircraft: on-condition engines, rotors, avionics and airframe; HUMS diagnostics; simplified and maintainer-friendly access for inspections; maximized field-level repair; and reduced support equipment.

EASILY MAINTAINABLE IN THE FIELD

Autonomous in the field, the S-92 helicopter is designed for easy maintenance access and requires no special tools, ladders or workstands for inspections.
Multiple Cabin Configuration Options

With its exceptionally large cabin, the S-92 helicopter delivers a range of interior options to maximize flexibility and value for search and rescue operators.

- **Search and Rescue with sea tray, 2 crew seats and 10 fold up utility seats**
- **Search and Rescue with 1 crew seat and 18 fold up utility seats**
- **Search and Rescue with sea tray, 2 crew seats, 6 fold up utility seats, 2 auxiliary fuel cells and stacking triple litter kit.**
- **Combat Search and Rescue with dual L&R forward guns, ramp gun and 15 fold up utility seats**
- **Medical Evacuation with seven seats and dual stacking triple litter kits**
- **Cargo with floor/ramp roller system and single attendant**
## S-92 SEARCH AND RESCUE MISSION EQUIPMENT

<table>
<thead>
<tr>
<th>Standard/Optional</th>
<th>S-92 SEARCH AND RESCUE MISSION EQUIPMENT</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utility/SAR Interior Group Completion Kit</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jettisonable Cabin Windows (10 Single Pane)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200 psf Non-Skid Cabin Floor with Ramp Gap Bridge</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabin Sea Tray (Water Containment)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RH Aft Sliding Cabin Door with Bubble Window</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LH Cabin Emergency Hatch with Bubble Window</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RH and LH SAR Crew Seats with FWD/AFT Tracking</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side Facing Fold Up Cabin Seating (22 provisions, 10 completions)*</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabin Tie-Down Rings</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aeromedical Evacuation Kit (3 Litters)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabin Auxiliary Fuel Provisions</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LH and RH External SAR Scene Lights</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dual Rescue Hoists with Spot Light (290’ Cables)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rescue Hoist Control Pendant With Hover Trim Control</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enhanced Half Height SAR Operators Console with 21.5 inch HD display</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wireless Intercom System</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1200 Watt External Public Address System</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic Dependant Surveillance - Broadcast out (ADS-B out)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traffic Advisory System, TCAS II</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATCOM Flight Following System with Voice</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dual VHF/UHF/AM/FM Flexcomm Radios with Guard</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HF Radio</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upgraded Color RADAR</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dual Radio Altimeters</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional Cockpit Multifunction Display (5th MFD)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital Map System</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIS Transponder System</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VHF/UHF Direction Finder</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HD Electro-Optic and Infrared Camera System (EO/IR)**</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trakka Multi-color Searchlight (White, Amber and Red)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Search and Rescue Automatic Flight Control System (SAR AFCS)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NVG cockpit, cabin, and external lighting</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dual Mode Anti Collision Light Red with White HiSL</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sea State 6 Emergency Flotation System (EFS)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life Rafts (FPT/RFD) (JAR-OPS 3.830 Survival Pack), with PLB</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic Deployable Emergency Locator Transmitter (ADELT)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helicopter Emergency Egress Lighting (HEEL) (2 Cockpit and 4 Cabin Exits)</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>External Tail Mounted, Forward Facing Low Light Camera</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cargo Hook with Load Sensor Provisions</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Conditioning</td>
<td>▲</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rotor Ice Protection System (Launch into known icing conditions)</td>
<td>▲</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auxiliary Fuel Tanks</td>
<td>▲</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wire Strike Protection</td>
<td>▲</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATCOM with voice and cabin WiFi</td>
<td>▲</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dual WAAS Flight Management System</td>
<td>▲</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cargo Hook with Load Sensor (8,000 lb capacity)</td>
<td>▲</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional options available; please consult with your sales specialist to develop a configuration and interior to meet your mission needs.

* 22 passenger configuration not FAA certified for passengers  
** Export controlled item, license required
## S-92 SAR Specifications

**Standard Day Sea Level at 26,500 lb/12,020 kg gross weight, unless otherwise stated**

<table>
<thead>
<tr>
<th></th>
<th>165 kts</th>
<th>306 km/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum speed (Vne)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum continuous cruise speed</td>
<td>151 kts</td>
<td>280 km/hr</td>
</tr>
<tr>
<td>Long range cruise speed</td>
<td>136 kts</td>
<td>252 km/hr</td>
</tr>
</tbody>
</table>

**Standard Fuel:**

- Search 1 hour: 185 nm* / 343 km
- Pick up 2 rescues: 210 nm* / 389 km
- Pick up 10 rescues: 175 nm* / 324 km

**Aux Fuel: 420 gallons**

- Search 1 hour: 320 nm* / 593 km
- Pick up 2 rescues: 320 nm* / 593 km
- Pick up 10 rescues: 285 nm* / 582 km

**Service ceiling**

15,000 ft / 4,572 m

**Hover ceiling out-of-ground effect**

6,700 ft / 2,042 m

**Hover ceiling in-ground effect**

9,200 ft / 2,804 m

**Maximum takeoff gross weight, civil configuration**

- internal load†: 26,500 lb / 12,020 kg
- external load: 28,300 lb / 12,837 kg
- Maximum external load: 8,000 lb / 3,628 kg

**Weight empty**

17,908 lb / 8,123 kg

**Operating weight empty**

18,755 lb / 8,507 kg

**Maximum fuel load, (internal, standard)**

5,145 lb / 2,333 kg

**Maximum fuel load, (internal, auxiliary 2 x 210 gal gallons)**

7,988 lb / 3,622 kg

*Optional maximum takeoff gross weight 27,700 lb, 12564 kg

*Radius

---

This Page Does Not Contain Export Controlled Technical Data
WE’RE ENGINEERING A BETTER TOMORROW

6900 Main Street, Stratford, Connecticut 06615 USA
+1 (800) WINGED-S (946-4337)
www.lockheedmartin.com/sikorsky