



Sikorsky S-92 Multi-Mission Helicopter
Safe. Reliable. Economical.







Revolutionary

The Sikorsky S-92 is a truly revolutionary helicopter. From enhanced safety features that meet the latest and most stringent FAA and JAA regulations to its various multi-mission capabilities, the S-92's versatility and dependability are unmatched.

The S-92 is an aircraft capable of flying virtually any mission, anywhere, including offshore oil transport, search and rescue and airliner point-to-point service. In addition to the range of mission configurations the S-92 offers, it is also designed to be cost-effective to operate and easy to maintain.

Whatever your mission requires you need an aircraft that's up to the challenge. Safe, comfortable, reliable – the S-92 is all that and more. Ideal for passengers, pilots and operators alike, the S-92 is truly a revolutionary way to fly.

THE BOTTOM LINE

Safe. Reliable. Ready when you are.

Sikorsky S-92.

A Generation Ahead



Building on Sikorsky's fifty year legacy of exceptional civil helicopters, the S-92 is in a class of its own. It is the first helicopter designed to meet the latest FAA/JAA Part 29 regulations. The S-92 incorporates state-of-the-art technology such as active vibration control, composite blades, and a long list of advanced safety features that are a generation ahead of competitive helicopters.



Additionally, the S-92 is a uniquely economical helicopter, engineered for supportability, easy to inspect and service, with maintenance flexibility built into its systems.

THE BOTTOM LINE *The S-92 offers owners, operators, flight crews and maintainers state-of-the-art technology backed by Sikorsky's proud heritage.*

Safe and Sound

The only effective mission is a safe mission, where crews and passengers are kept out of harm's way.

The S-92 dominates the safety category by a huge margin, 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's fuel system is self-contained and meets the highest crashworthiness standards to preclude a post-crash fire. Energy-absorbing seats and landing gear are designed to minimize the effects of a hard landing.

The aircraft's array of preventive safety features are equally impressive, and include redundant systems for flight controls, avionics, cockpit displays, electrical systems and engine controls, health usage monitoring to capture and record operational flight data, plus certified bird-strike protection and turbine burst protection. An Enhanced Ground Proximity Warning System (EGPWS) is standard equipment on the S-92. Additionally, Sikorsky has perfected the art of flaw-tolerant design, which maximizes the reliability of S-92 parts for the highest possible degree of component safety.

Of course, the S-92 delivers all-weather safety for any condition, at anytime, and in any environment. 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's weather-related safety assurances include 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 BOTTOM LINE *Sikorsky's S-92 is the safest helicopter in its class*



Sikorsky's S-92 is the first helicopter to be certified to the latest FAA/JAA Part 29 standards.

“... an outstanding improvement in fundamental helicopter technology”

American Helicopter Society, 2003 upon conferring the Howard Hughes Award for industry-leading, flaw-tolerant design

“... the greatest achievement in aeronautics” in 2002

National Aeronautic Association, upon award of the prestigious Collier Trophy (left)



① High-visibility cockpit

② High-Intensity Radiated Field protection (HIRF)

③ Health and Usage Management System (HUMS)

④ Enhanced Ground Proximity Warning System (EGPWS)

⑤ Crashworthy seats for all occupants

⑥ Sponson design keeps fuel away from passengers

⑦ Suction fuel system prevents hazardous fuel spray

⑧ Energy absorbing landing gear

⑨ Built-in corrosion resistance

⑩ Bird-strike protection at maximum aircraft speed

⑪ Lightning strike protection

⑫ High energy turbine burst protection

⑬ Robust flaw-tolerant design

⑭ Proven de-icing system

Smart Technology



Flying in foul weather and increasingly crowded skies day in and day out is demanding on the flight crew. Technology that delivers an advantage in these conditions is an important part of a pilot's resources. The S-92 cockpit design provides enhanced visibility resulting in exceptional handling qualities and maneuverability during approach, hover and landing.

Smart and easy to operate, the S-92 features the Rockwell Collins Avionics Management System, which presents audio cues along with intuitive flight symbology and systems data on all four fully redundant Liquid Crystal Displays, easily read in direct sunlight or cross-cockpit. Shown above is the S-92 cockpit with an optional fifth Liquid Crystal Display.

A fully integrated flight management system, Universal Avionics System Corporation's UNS-1, provides pilots with computer-based flight and fuel management functions.

THE BOTTOM LINE *The S-92 offers superior technology that delivers mission effectiveness.*

Multiple Missions One Aircraft

Power. Range. Safety. Reliability. Economics.

These are the attributes that every helicopter operator is after, no matter what the mission. And the S-92 delivers them, and more. Add a spacious cabin, a smooth quiet ride, and built-in maintainability, among others.

It's no wonder that the S-92 has become the clear choice – the smart choice – for operators around the globe.

Offshore Oil Transport

Offshore Oil Transport providers select it for its range, award-winning safety features, and ability to fly in any weather.

Search and Rescue

Search and Rescue providers choose it for its rugged reliability, agility, and the flexibility of its spacious cabin.

Airline Service

Airline service operators choose it for the low seat per mile costs, its productivity, and the comfort it can offer their passengers.

THE BOTTOM LINE *Whatever the mission, operators know they can count on the S-92 to deliver outstanding performance, safety, and operator economics.*



Tough Mission, Tough Helicopter





Offshore Oil Transport

When your mission is tough you need a helicopter that is tough, safe and reliable. The offshore oil configured S-92 is that and more.

With more than 5,000 installed horsepower from twin turbo shaft engines, operators will realize exceptional range and payload, along with a maximum cruise speed of 151 knots (280 km/h) – so operators will be able to carry more passengers at higher cruise speeds, increasing productivity.

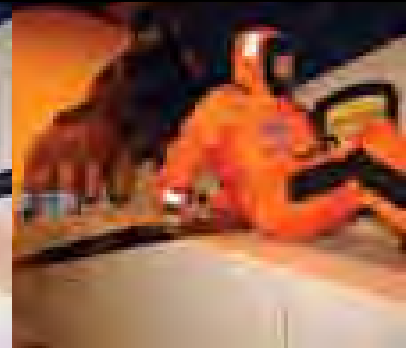
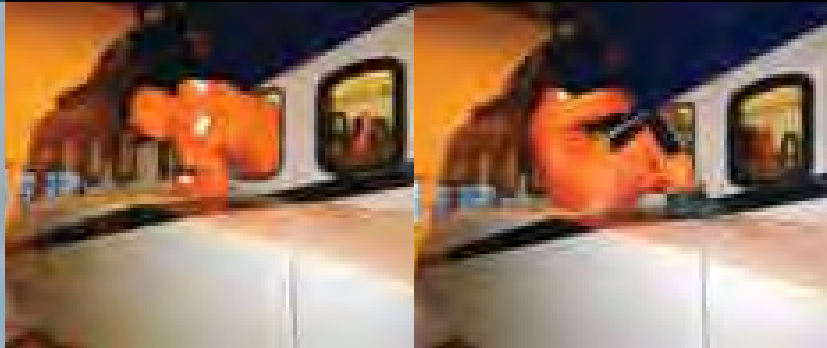
THE BOTTOM LINE *Built for the rigors of offshore environments, the S-92 is tough, safe, and reliable.*

Smooth and Quiet



Offshore Oil Transport

The S-92 carries 19 offshore oil workers to and from distant rigs in a comfortable airline-type cabin arrangement that features ample shoulder room and leg room with a 32 inch (0.81 m) seat pitch. An optional configuration allows a 23 passenger arrangement. Another outstanding feature, a large cargo area, allows passengers to fit more of their belongings for extended stays offshore without compromising comfort.



Large pop-out windows at every row in the S-92's cabin allow passengers quick and easy egress, even those in cold water survival gear (above).

The rear ramp allows easy access to the large cargo area, which offers ample storage for baggage and supplies (left).

Available options for the offshore oil transport mission increase the safety, productivity and comfort of the passengers and crew. Options include:

- Rotor Ice Protection System (RIPS)
- Full height sliding cabin door
- Cold weather cabin heat
- Cold weather cockpit heat
- Center multi function display
- Air conditioning
- Primus 700 weather radar
- Traffic Alert and Collision Avoidance System 1 (TCAS)
- Lightning sensor
- Upper sliding door / lower airstair

In addition to more space, the S-92 provides a more comfortable atmosphere for long flights. Separate heating and vent systems provide passengers with fresh air from overhead while at the same time keeping their feet warm. For better air quality the entire cabin air volume is replaced once a minute. The vibration control systems and cabin acoustic enhancements yield a smooth ride and quiet cabin.

THE BOTTOM LINE *The uniquely spacious cabin of the S-92 maximizes productivity and comfort.*

Get in. Get people out.

Search and Rescue

When saving lives is your mission you need a powerful helicopter that you can count on in any environment. The Search and Rescue configured S-92 is the answer.

Designed to get in and get people out, the S-92 has up to four hours of standard fuel and 2.5 tons (2,268 kg) of internal load capacity. With more than 5,000 shp (3758 kw) installed, the S-92 has excellent hover performance to hoist rescues to safety. Its superior maneuverability and sheer power result in performance you can count on.

Unique to the S-92 is its ability to fly at maximum speed with the ramp door open, enabling the crew to drop life saving equipment to those in harm's way – fast.

The interior is easily configured for whatever the mission requires. The spaciousness and flexibility, along with a large SAR equipment storage area, enables the S-92 to be used as a flying hospital.

THE BOTTOM LINE *Agile and well equipped, the S-92 is designed to get in and get people out, safely and reliably. Time and time again.*





Right Sized Solution



Search and Rescue

Easy to configure allowing for multi-mission flexibility, the S-92 cabin offers room for up to 22 fold-down crashworthy utility seats and plenty of floor space for additional rescues. The spacious cabin gives aircrews and medical personnel room to stand and move about the cabin, as well as full-body access to injured passengers.

Equipped with single or dual hoist with equal capability, the S-92 has unrestricted hoist access through a wide sliding door that can accommodate a standard Stokes litter with ease. The 600 pound (272 kg) capacity hoist is electrically powered and controlled, provides 290 feet (88.4 m) of usable cable, and



Optional equipment is available that allows you to customize the baseline S-92 to enhance the effectiveness, mission flexibility, and crew comfort of your search and rescue mission. These options include:

- Rotor Ice Protection System (RIPS)
- Dual bubble windows in cockpit
- Bubble window in forward cabin, located at right hand SAR door
- Wire strike protection
- Aero medical evacuation litter kit
- SAR technician seat, located on right hand side of cabin
- Air conditioning
- Traffic Alert and Collision Avoidance System (TCAS)
- Digital moving map
- Center multi function displays
- Second Distance Measuring Equipment (DME)
- Air conditioning
- Rotor ice protection system (RIPS)

has a spotlight. The power-operated cargo ramp in the rear eases loading and unloading of people and equipment. The S-92's vibration control system provides a smooth ride, resulting in less crew fatigue and the ability for medics to treat injured passengers more effectively.

The cabin can also be configured with dedicated crew seats and 16 patient litters.

THE BOTTOM LINE *The spacious cabin offers mission flexibility, and the aircraft's useful load of 10,000 pounds (4,535 kg) make the S-92 the perfect solution for search and rescue missions.*

Point-to-Point Productivity



Airline Service

When you need an aircraft that is ready when you are, and has the power and capacity to fly directly to multiple locations, the airline configured S-92 is the right choice.

The S-92 is able to land in places fixed-wing aircraft can't, and is ideal for hectic point-to-point passenger service. It provides the agility and flexibility of a helicopter with the safety, comfort and productivity of



an airliner. With active vibration suppressors and advanced acoustic technologies, the S-92 provides a smooth, quiet ride – so passengers can get work done or just relax.

THE BOTTOM LINE *Designed for dispatch reliability, the S-92 is ready to fly passengers, day or night, in any weather.*

Practical and Comfortable



Airline Service

Sized to carry 19 passengers in airliner style comfort, the S-92 cabin is a spacious 20 feet (6.10 m) long and 6 feet (1.83 m) tall and wide, tall enough for passengers to stand and move about without stooping. The S-92 also features ample shoulder and leg room, with a 32 inch (0.81 m) seat pitch. An optional configuration allows a 23 passenger and one attendant arrangement. The large cargo area allows passengers to bring more of their belongings – a big plus for leisure travel.

The S-92 can be pre-cooled or pre-heated for passengers without starting the engines. The aircraft's Auxiliary Power Unit (APU) allows this climate control and lighting to assist passengers as they settle in. The S-92 provides superior air quality and even temperatures throughout the cabin with fresh air that can be controlled overhead. For added comfort heat vents provide warmth to passenger's feet. The S-92's vibration control systems and cabin acoustic enhancements provide a smooth ride and quiet cabin. In-flight entertainment options such as movies and games are also available.

THE BOTTOM LINE *The S-92 is a practical - and enjoyable - alternative for passenger service.*



We offer a robust menu of optional equipment that allows you to customize the already well equipped baseline S-92 and increase your airline mission effectiveness and productivity. Options include:

- Rotor Ice Protection System (RIPS)
- Traffic Alert and Collision Avoidance System 1 (TCAS)
- Second Distance Measuring Equipment (DME)
- Second Flight Management System
- Digital moving map
- Folding attendant seat located at forward bulkhead
- Center multi-function display
- Dual Iridium SATCOM
- ICS/entertainment system with wired jacks and headsets for 19 passengers
- Lightning sensor
- Cabin storage cabinet, commercial interior application, 27 cubic feet (0.76 cubic meters)
- Hard panel door located between cabin and cockpit
- Lavatory, located at forward section of cabin
- Galley cabinet, located at forward section of cabin (when lavatory is not selected)
- Air conditioning
- Flotation
- Jettisonable windows
- Leather covered passenger seats
- Airshow 400



At Your Service



Only Sikorsky combines solid support systems, based on long-standing and proven maintenance programs, with state-of-the-art capabilities that are unique to the industry.

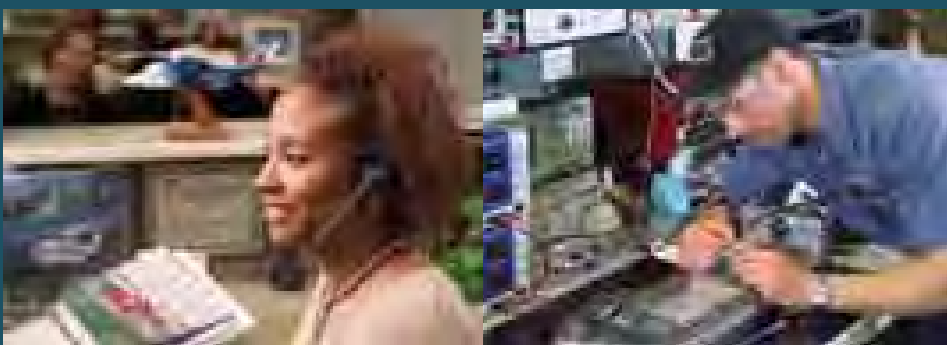
Fast. Knowledgeable. On site and on time.

Sikorsky keeps modern civil aircraft flying with around-the-world and around-the-clock service. We offer a comprehensive program that includes an inventory of spare parts, overhaul and repair, on-site technical and logistics representatives, engineering support, training, publications and more.

Sikorsky also offers full-motion flight simulation and ground support equipment. In addition, we will assign a single-point-of contact to your program to simplify the support process across the board.

An important aspect of the S-92 helicopter support program is the unique on-condition maintenance system, which minimizes the requirements to schedule component removals and overhauls.

THE BOTTOM LINE *The S-92 worldwide customer service team will work with your personnel to increase flight readiness, improve ease-of-use, and reduce costs.*



Maximum Value

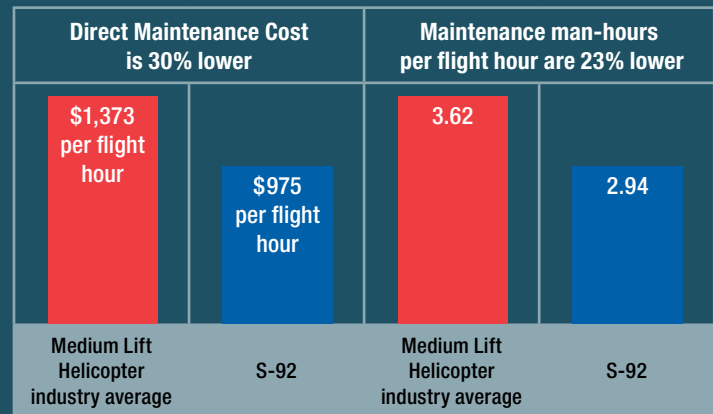
Exceptionally cost-effective to own and operate, Sikorsky's S-92 delivers maximum value to commercial operators.

Economics were a prime consideration in designing the S-92. The S-92's range and fuel efficiency is superior when compared to competitive helicopters. In addition, it has the lowest direct maintenance cost – by far – of any helicopter in its class.

Because this helicopter was designed for longevity, the S-92's maintenance features have been embedded into its structure and avionics. The high level of flaw tolerance designed into the S-92 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. These cost-saving features include on-condition engines, rotors, avionics and airframe; HUMS diagnostics; simplified and maintainer-friendly access for inspections; maximized field-level repair; and reduced support equipment.

THE BOTTOM LINE Sikorsky's S-92 is more cost effective to own and operate than any other helicopter in its class.



An independent study (Conklin & de Decker) shows that the S-92 has much lower operating costs than other helicopters in its class. Numbers shown are in 2005 dollars.



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

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

For the world's elite commercial operators, Sikorsky is the only way to fly. As the world's premier provider of commercial 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.

- Innovative solutions.
- 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-92, contact our commercial programs marketing specialist.

S-92 Configuration and Specifications

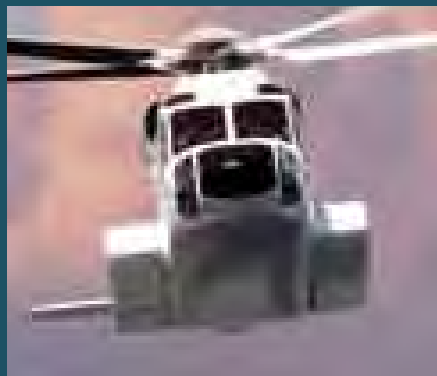
Base Configuration

The S-92 features two General Electric CT7-8A turboshaft engines with an integral particle separator and a pneumatic starting system. Also included is a Honeywell 36-150 auxiliary power unit for on-the-ground or in-the-air emergency power.

The main rotor system is a four-bladed fully articulated system, designed to meet FAA flap tolerance standards.

The standard avionics package features Rockwell Collins Proline Communication and Navigation Radios, four portrait-oriented Multifunctional Display (MFD) units, and two Display Control Panels (DCP) units, which control the navigation mode selection and provide adjustment of the reference parameters. The aircraft includes a dual digital automatic flight control system and a coupled flight director.

The basic fuel of 760 gallons (2877 liters) is stored in two external sponsons with self-sealing breakaway valves.



Performance

Standard Day Sea Level at 26,500 lb / 12,020 kg gross weight

Maximum speed (VNE)	165 kts	306 km/hr
Maximum continuous cruise speed	151 kts	279 km/hr
Long range cruise speed	136 kts	252 km/hr
Service ceiling	14,525 ft	4,427 m
Hover ceiling out of ground effect	6,698 ft	2,042 m
Hover ceiling in ground effect	10,912 ft	3,326 m

Offshore Oil Mission Range

- 19 passengers and baggage, 30 minute reserve plus 10%	400 nm	741 km
- 19 passengers and baggage, no reserve	495 nm	917 km
- Max range with 370 gallons internal aux fuel, 30 minute reserve plus 10%	712 nm	1,319 km

Search and Rescue Mission Radius of Action

- Pick up 25 rescuees, 10% reserves	147 nm	271 km
- Pick up 25 rescuees with 370 gallons internal aux fuel, 10% reserves	247 nm	458 km
- Pick up 6 rescuees, 10% reserves	226 nm	418 km
- Pick up 6 rescuees with 370 gallons internal aux fuel, 10% reserves	334 nm	618 km

Airline Mission Range

- 19 passengers and baggage, 30 minute reserve at long range cruise speed	476 nm	881 km
- 19 passengers and baggage no reserve	543 nm	1,005 km
- Max range with main fuel, 30 minute reserve at long range cruise speed	532 nm	984 km

Weights

Maximum takeoff gross weight, civil configuration	26,500 lb	12,020 kg
- internal load	28,300 lb	12,837 kg
- external load	10,000 lb	4,536 kg
Maximum external load	5,130 lb	2,327 kg
Maximum fuel load, (internal, standard)	7,628 lb	3,460 kg

Offshore Oil Mission

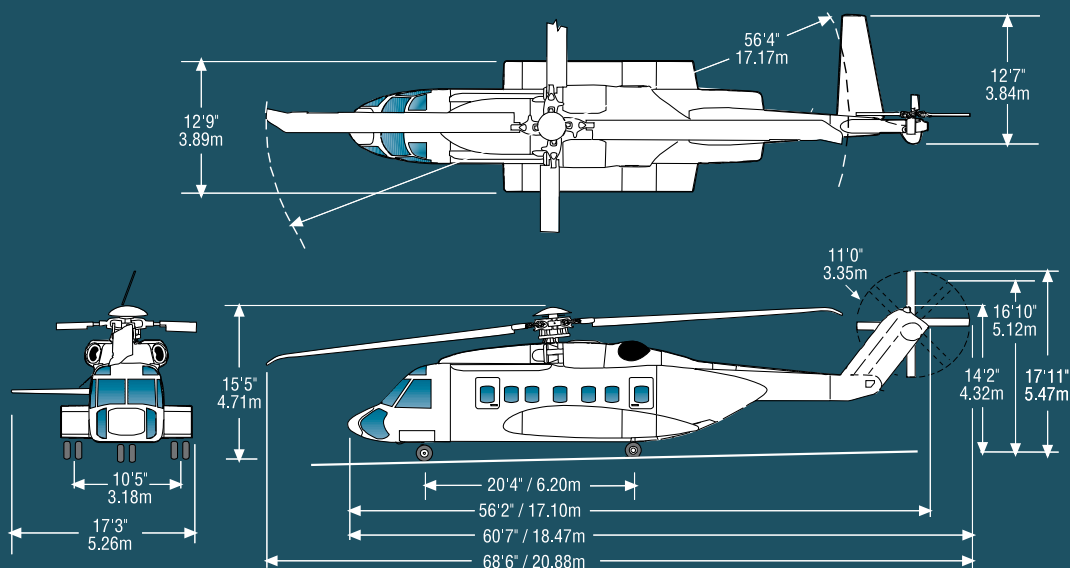
Weight empty	16,875 lb	7,654 kg
Operating weight empty	17,322 lb	7,857 kg


Search and Rescue Mission

Weight empty	16,866 lb	7,650 kg
Operating weight empty	17,713 lb	8,034 kg

Airline Mission

Weight empty	16,901 lb	7,666 kg
Operating weight empty	17,348 lb	7,869 kg



A Sikorsky helicopter is shown in flight, viewed from a low angle. The rotor blades are blurred, suggesting motion. The helicopter's body is a light blue color. In the background, a bright rainbow is visible against a clear blue sky. The overall scene is dynamic and emphasizes the power and precision of the aircraft.

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



Sikorsky

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