



Sikorsky S-76C++ Executive Transport Helicopter
Setting a New Standard Helicopter for Executive Transport







The Gold Standard

The S-76 helicopter has long set the standard for VIP helicopter transport, uniquely meeting the needs of discriminating clientele around the world. Now, the upgraded and enhanced S-76 known as the S-76C++ is raising the bar even higher. Sikorsky Aircraft delivers safety, comfort, performance and more in the S-76C++ helicopter, with an array of thoughtfully designed upgrades that make it the gold standard for the executive transport mission.

The S-76C++ merges modern technology enhancements, including more powerful engines, with luxurious interior appointments designed to enhance executive comfort at every turn. At the same time, the S-76C++ delivers maximum value, remaining extraordinarily cost-effective to own and operate.

Long known for setting the standard for excellence among the world's executive transport helicopters, Sikorsky has continued that legacy with the evolutionary S-76C++.

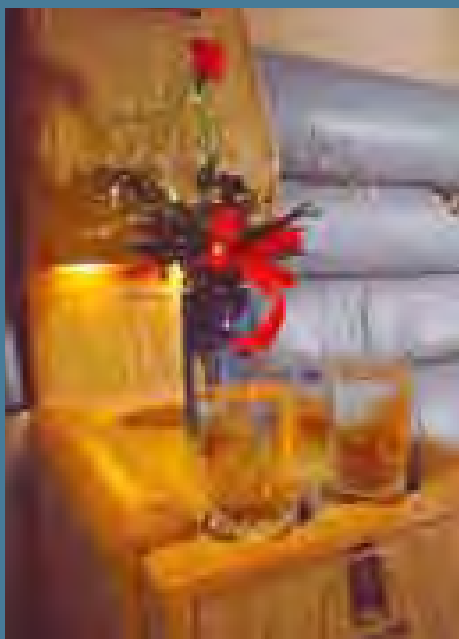
THE BOTTOM LINE

The S-76C++ is the ultimate merger of style and substance – a top performer that wraps you in total comfort, provides proven reliability and offers all-encompassing support that is second to none.

Relax, this is the S-76C++

The S-76C++ helicopter combines the flexibility and agility of a helicopter, with all the comfort, safety, and quietness of a luxury airliner. The spacious, air-conditioned cabin and Quiet Zone™ transmission technology make for an extraordinarily comfortable flight in an environment that's conducive to work or relaxation. Executives and their support staff will enjoy maximum head room and the peace and quiet afforded by our exclusive Silencer™ ultra-comfort interior, enabling them to transition effortlessly from office to helicopter, working and meeting in a setting that promotes productivity.

THE BOTTOM LINE *With an array of high-quality features and amenities, the S-76C++ builds on the best of the proven S-76 helicopter for the ultimate in seamless executive transportation.*





Custom interior shown

Make Yourself Comfortable



Optional interior shown

Ride in Airborne Luxury

Your comfortably appointed S-76C++ helicopter interior may be customized to meet your unique needs and requirements. There are a variety of interior seating configurations and, of course, owners may choose from an array of fabrics, colors and amenities that reflect their own personal style.

With a wide range of high-quality features and amenities, the S-76C++ builds on the best of the proven S-76 helicopter for the ultimate in seamless executive transportation.



Optional interior shown



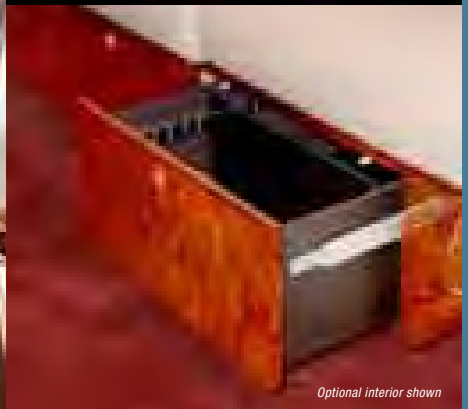
Optional interior shown



Optional interior shown



Optional interior shown



Optional interior shown



Ready When You Are

Life can be unpredictable, but your executive helicopter must be ready to fly at a moment's notice. That's why so many executives have turned — and returned — to the S-76 as their helicopter of choice, logging more than 4 million flight hours with an astounding 98% launch availability rate. There's no need for concern about whether the helicopter will be available when and where it is needed, the S-76C++ delivers performance plus peace of mind.

And when it comes to cost-effective performance, the S-76C++ really delivers. There is no better value among executive helicopters. The S-76C++ delivers low direct operating costs — the best in its class — and much more, including long range and a large cabin at an affordable price.

Enhanced performance, which enables operators to increase productivity, further enhances the overall value of this remarkable helicopter.



Made for the Mission

The S-76++ helicopter is ideally designed and configured to perform the executive mission with maximum flexibility and effectiveness. Its superior speed, range, and payload distinguish it as a top performer, and its 98 percent dispatch reliability ensures that the S-76C++ is ready to perform when and where you need it. In addition, the S-76C++ features a large, rectangular cabin, spacious enough to accommodate six to eight passengers comfortably in a variety of flexible configurations.

The S-76C++ delivers a performance edge that translates into a competitive edge for busy executives. Carry more, and operate more safely and comfortably than ever before with the S-76C++.

First, there's more power – the S-76C++ features two Arriel 2S2 engines with six percent additional power compared to previous models, fuzz burn chip detectors, new oil seals, and the ability to carry a passenger in each seat and still fly over 300 nautical miles. A new engine barrier filtration system protects your valuable engines from dirt and foreign object damage, and reduces operating cost and maintenance requirements with no loss of power. A rotor brake that is unique to the S-76C++ can stop the main and tail rotors with engines running for enhanced safety.

Because you need to fly safely in any weather and any time of the day or night, the S-76C++ features a fully integrated cockpit comparable to any corporate jet flying today. The heart of the fully redundant avionics suite is the four-axis dual digital autopilot system. This autopilot is the best in the industry and many S-76 customers have stated that the S-76 is the best IFR platform in the business. A four-blade flexbeam tail rotor ensures positive handling characteristics in 35-knot (65 kph) crosswinds. A dual Full Authority Digital Engine Control (FADEC) system with electronic backup creates triple redundancy and further enhances performance and safety. The Automated Flight Control System, automatic hover capability, and Enhanced Ground Proximity Warning System (EGPWS) further distinguish the S-76C++ as the gold standard in executive transport helicopters.

THE BOTTOM LINE *The S-76C+ features a comprehensive package of improvements resulting in a helicopter that is ahead of competitive rotorcraft — but just what you would expect from Sikorsky.*









Fly with Confidence

Designed with a multitude of safety features, the S-76C++ is a helicopter you can fly with peace of mind and confidence.

The S-76 features an outstanding and enviable safety record over two decades and 4 million-plus flight hours. Today's S-76C++ is building on this legacy with an array of proactive safety features, including redundant systems for flight controls, avionics, hydraulic systems and cockpit displays. Of course, the S-76C++'s improved performance, with new more powerful engines, also delivers an enhanced margin of safety.

The Enhanced Ground Proximity Warning Systems (EGPWS) is a terrain avoidance warning system that is standard equipment on the S-76C++. It delivers all-weather safety in changing environments – so you may fly with confidence day and night.

A Vibration Monitoring System and Helicopter Operations Monitoring Program (HOMP) that capture, monitor and record operational flight data are offered as options. Additionally, a full suite of optional equipment designed to enhance crew and passenger survivability in the unlikely event of an emergency water are available. These options include Emergency Flotation System (EFS), Automatic Flotation Deployment System (AFDS), and single-action cabin door release.

Safety Comes Standard

Executive-Level Performance

The S-76C++ helicopter is a highly capable aircraft, based on the proven S-76 platform but with significant improvements that make it even more effective for the executive transport mission.

Look closely at the S-76C++ and you will see that it is a cut above other executive helicopters. First, it is the newest version of a mature platform that has set the standard for helicopters in its class. The S-76 was an excellent helicopter to begin with, and we have made it better and, specifically, even more reliable, with robust components, redundant systems, and more.

The aircraft's enhanced engines feature improved reliability, which is boosted by the new engine inlet barrier filtration system. Further contributing to reliability is the triple redundant FADEC system and a health usage monitoring system that actively identifies issues before they become problems.

New, more powerful Arriel 2S2 engines deliver improved performance in hot or high conditions. A new engine barrier filtration system protects valuable engines from dirt and foreign object damage (FOD). The filtration system also reduces cost and maintenance requirements with no loss of power. The S-76C++ also adds Quiet Zone™ technology to the main transmission and the Silencer interior, which create a more comfortable working and flying environment for crews and passengers. An optional enhancement to S-76C++ safety is the Honeywell VXP HUMS Vibration Monitoring system.

Cockpit enhancements include a new, more user-friendly quadrant, barrier filter monitor panel, and a “beeper” switch on the collective stick which allows direct control of an engine in case of a dual FADEC failure.

THE BOTTOM LINE *A range of capabilities, when coupled with the custom interiors, performance, and overall capacity, add up to the S-76C++ as the best-value solution for the executive transport mission.*



EGPWS Safety Benefits

- EGPWS knows where the helicopter is and what it is doing relative to surrounding obstacles and terrain.
- Helicopter position and flight path is determined through an interface with the onboard Global Positioning System (GPS) and other sensors.
- Surrounding obstacle and terrain information is available from onboard sensors and the EGPWS updateable database.
- Information is presented to the aircrew in both visual and aural format.
- EGPWS gives pilots knowledge of surrounding terrain and obstacles regardless of flight visibility.



Cutting edge features include:

- ① New Arriel 2S2 engines
- ② Engine inlet barrier filters
- ③ Sikorsky Quiet Zone™ gear box
- ④ Keystone Silencer™ interior soundproofing
- ⑤ Sleek, custom interior designs
- ⑥ EGPWS terrain awareness
- ⑦ Cockpit Voice Recorder (CVR)

Support That Exceeds Your Expectations

A forward-thinking support program that caters to the needs of high-tempo operations makes owning an S-76C++ helicopter just as rewarding as flying one.

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.

We keep you flying, with around the world and around-the-clock service and a comprehensive program that includes spare parts, overhaul and repair, training, on-site technical and logistics representatives, ground support equipment, publications and more.

Sikorsky, through our partners at Flight Safety International and Worldwide Customer Support, also offers full-motion Level D flight simulation, engineering support, and will assign your program a single point-of-contact to simplify the support process across-the-board.

THE BOTTOM LINE *Anytime and anywhere, the S-76C++ worldwide customer service team will work with you to increase flight readiness, improve ease-of-use, and reduce costs.*





Among the many programs of Sikorsky's outstanding customer service are a 24-7-365 help desk, flight training on super-realistic Level-D flight simulators, a full aircraft maintenance trainer, overhaul and repair facilities, field service representatives and an ample spare parts inventory.



S-76C++ Configuration and Options

Basic configuration

The enhanced S-76 C++ helicopter builds on the proven legacy of over 600 S-76 helicopters delivered with two uprated, dual-FADEC-controlled Turbomeca Arriel 2S2 engines and a full-coverage inlet barrier filter.

The basic cockpit features a four-axis, fully coupled autopilot, Integrated Instrument Display System (IIDS), Honeywell 4-tube EFIS and a Collins Proline II avionics suite with dual comm/nav, ADF, transponder, DME and a radio altimeter with an expanded scale indicator. Cockpit data is provided by a solid state air data system featuring dual AHRS and dual air data computers. The S-76 can be certified for single pilot IFR operations and, to ensure increased safety, all S-76C++'s

are now equipped with Enhanced Ground Proximity Warning System, and a Cockpit Voice Recorder.

For cockpit environmental control there is a bleed air heating defogging system and dual windshield wipers. The pilot and copilot seats come with a five point restraint system.

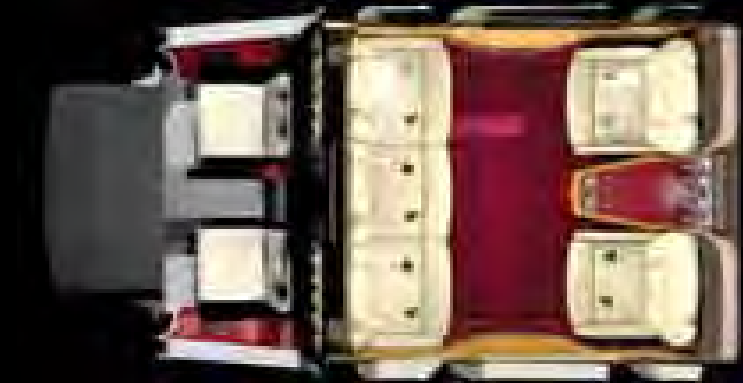
The large, rectangular cabin with Silencer and 38-cubic foot baggage compartment can be custom configured for any application. Speed, long range and a smooth ride are ensured by the fully articulated rotor system derived from the U.S. Army's BLACK HAWK, elegantly clean airframe, retractable landing gear, and 281 gallons of usable fuel.

S-76C++ EQUIPMENT	Executive	Deluxe Executive
Cabin call system with bell ringer	●	▲
Traffic Advisory System displayed on the MFD	●	
Executive paint finish	●	▲
Deluxe VIP Interior Group:		
- "Silencer" interior with secondary acoustic package	●	▲
- Ultraleather or Ultrasuede interior panel upholstery	●	▲
- Cockpit-cabin divider bulkhead with left-side and right-side sliding windows	●	▲
- Eight individual reading lights and air outlets	●	▲
- Wood/veneer/leather/metal decorative details	●	▲
Two forward-facing captain's swivel chairs		▲
Low profile refreshment cabinet		▲
Three/four-place, aft-facing executive divan with folding table and armrests		▲
Aft-facing, four-place executive bench seat	●	
Continuous, one-piece bulkhead window	●	
Forward-facing, four-place executive divan	●	
Bay blanket acoustic kit	●	
Single retractable boarding step	●	
Air-conditioning system (21,500 BTU, R135a coolant)	●	
Deluxe air-conditioning (C4 coolant)		▲
Gooseneck map lights	●	
Additional bifilar and cabin roof lateral vibration absorbers	●	▲
Cellular phone base and charger		▲
Satellite communications system		▲
Single action emergency door release for the cockpit and cabin doors	●	▲
Retractable boarding steps for both left-side and right-side cabin doors		▲
Flotation system		▲

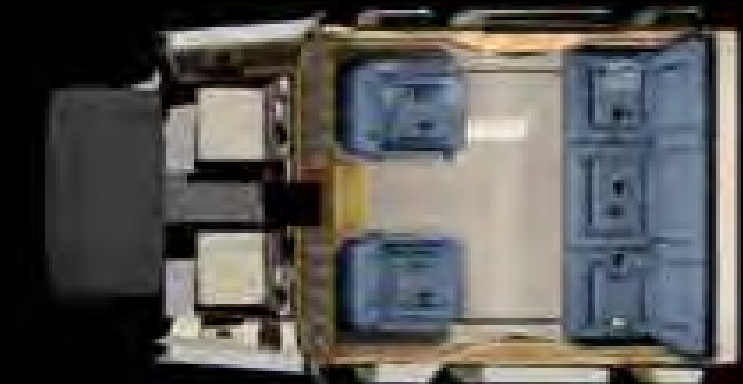
S-76C++ Cabin Options

Executive Transport cabin configurations

With its large rectangular cabin of the S-76C++ helicopter can be custom configured to meet your requirements in style and comfort. Three options are illustrated below. Our interior design and completion experts will assist in developing the interior that's right for you.



Optional 5-passenger configuration



Standard 6-passenger configuration



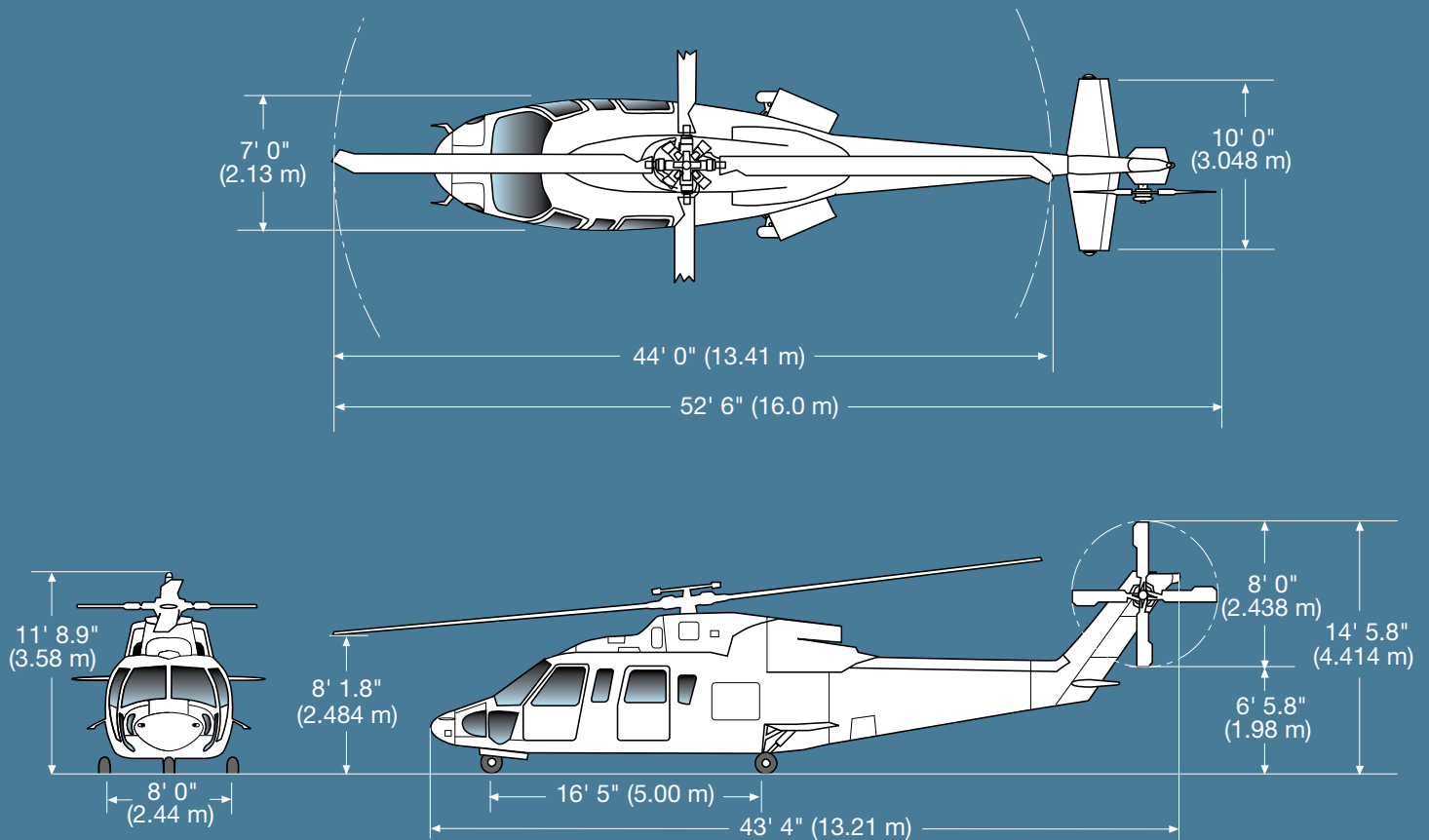
Standard 8-passenger configuration

S-76C++ Specifications

Standard Day, Sea Level at maximum gross weight unless otherwise noted

Maximum speed (VNE)	155 kts	287 km/hr
Maximum cruise speed (VH)	155 kts	287 km/hr
Hover ceiling, In-Ground Effect (TOP)	7,050 ft	2,149 m
Hover ceiling, Out-of-Ground Effect (TOP)	3,300 ft	1,006 m
Single engine service ceiling	4,900 ft	1,493 m
Range - long range cruise speed @ 4,000 feet		
- with 30 minute reserve	345 nm	639 km
- no reserve	411 nm	762 km
- average speed	137 kts	254 km/hr
- average fuel flow	620 pph	281 kg/hr
Maximum takeoff gross weight	11,700 lb	5,306 kg
Empty weight, utility configuration*	7,005 lb	3,177 kg
Useful load, utility configuration*	4,695 lb	2,129 kg

**Weights will vary by specific mission configuration*



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

People on the move know that Sikorsky is the only way to fly. As the world's premier provider of executive helicopters, Sikorsky goes 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-76C++ helicopter, please contact our sales specialist.

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



Sikorsky

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