



Sikorsky S-76D Multi-Mission Helicopter
The gold standard for multi-mission success



Works as Hard as You Do



Performance. Safety. Value.

Sikorsky Aircraft delivers all these and more in its newly enhanced S-76 helicopter — the revamped, redesigned, and renamed S-76D — for Helicopter Emergency Medical Services (HEMS), Search and Rescue (SAR) and Airborne Law Enforcement (ALE) missions.

The new S-76D has been improved to meet the needs of today's high-tempo, high-pressure operating environment, where lives are on the line and every second counts.

The S-76D seamlessly incorporates cutting-edge technological advances that deliver the ultimate in safe, reliable performance — with an attractive new exterior design.

The S-76D features a new cockpit, all-composite blades and more powerful engines. At the same time, it delivers maximum value and dispatch reliability while remaining extraordinarily cost-effective to own and operate.

Long known for setting the standard for excellence among the world's helicopters, Sikorsky has taken the concept of consistent, reliable performance to a whole new level with the S-76D.

THE BOTTOM LINE *The new S-76D helicopter is the ultimate workhorse, delivering maximum flexibility, effectiveness and value — day after day, mission after mission.*

A New Standard for Safety and Value

Safety is a priority

The venerable S-76 helicopter fleet features an outstanding and enviable safety record of more than 26 years and 4 million-plus flight hours. Today's new S-76D builds on this legacy with an array of preventive safety features, including all-composite, flaw-tolerant main and tail rotor blades, redundant systems for flight controls, advanced avionics featuring integrated cockpit displays, and a health and usage monitoring system that captures and records operational flight data. Of course, the S-76D's significantly improved performance, with new, more powerful engines, also delivers an enhanced margin of safety.

The Enhanced Ground Proximity Warning System (EGPWS) and cockpit voice recorder (CVR) are standard equipment on the S-76D, and flight data recorder (FDR) will be available as an option. In fact, a second CVR/FDR system will also be available, meeting FAA redundancy requirements. The S-76D delivers all-weather safety in changing environments – because you never know where your next mission will take you. These safety assurances include main and tail rotor ice protection, as an option, and severe lightning protection, and High Intensity Radiated Field (HIRF) protection so that critical electronic systems are protected from electromagnetic interference.

THE BOTTOM LINE *Sikorsky knows that the only successful mission is a safe mission, and the S-76D is a helicopter you can fly anywhere, anytime, with peace of mind and total confidence.*

A full suite of optional equipment designed to enhance crew and passenger survivability and operational capability are offered. These options include:

- Emergency flotation system
- External life raft deployment system
- Large sliding cabin doors with push-out windows
- Automatic flotation deployment system (AFDS)
- Helicopter emergency egress lighting (HEELS)
- Single action cabin door release
- Deployable ELT
- External hoist completion.



Best Value in its Class

When it comes to cost-effective performance, the S-76D stands alone. In fact, there is no better value among HEMS, SAR and ALE helicopters. In addition to its low cost per seat per mile, the S-76D delivers low direct operating costs — the best in its class. With its enhanced performance and flexible floor and seating arrangements, the S-76D can be quickly transformed for VIP transport, emergency management, and other missions as needed.

Increased productivity gained from enhanced performance as well as increased reliability and maintainability all contribute to the S-76D's exceptional value proposition.

THE BOTTOM LINE *The S-76D is affordable to own and operate, and is the most economical helicopter in its class. It is ideally suited to maximize productivity and flexibility for multi-mission users.*

The Most Advanced Cockpit Technology



Smart and simple to operate, the S-76D helicopter will feature the most technologically advanced cockpit available today, enabling pilots to focus on the mission at hand.

The state-of-the-art Sikorsky-Thales cockpit system has been designed specifically for helicopter operations and features large-format displays that have been consolidated in an efficiently designed console for improved visibility and field-of-view. Ergonomically designed, easy-to-use display screens will maximize situational awareness for pilots, reducing pilot workload and

maximizing safety — important considerations in the challenging HEMS/SAR/ALE environment.

Pilots and operators will also benefit from the S-76D's exceptional handling qualities and excellent maneuverability during approach, hover and landing. These attributes are important to all operators, but are critically important when landing or hovering for rescues in inclement weather or other less-than-ideal conditions.

THE BOTTOM LINE *A thoughtfully designed, high technology cockpit will further enhance the safety and the overall flying experience of the S-76D.*

Comprehensive Support for Dispatch Reliability

If you can't fly, you can't help. That's why a forward-thinking support program that meets the needs of high-tempo operations makes owning an S-76D 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.

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

Sikorsky also offers a full motion Level D flight simulator that will

be available at first aircraft delivery, 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, Sikorsky's world-wide customer service team will work with you to increase flight readiness, improve ease-of-use and reduce costs.*

Superior System. Superior Performance.



- 1 New flaw tolerant composite main rotor blades
- 2 Rotor ice protection system
- 3 Active vibration control
- 4 Quiet Tail Rotor (QTR)
- 5 Dual speed rotor for reduced external noise
- 6 PW210 engines
- 7 Upgraded electrical generation system
- 8 Next generation Thales avionics system and autopilot

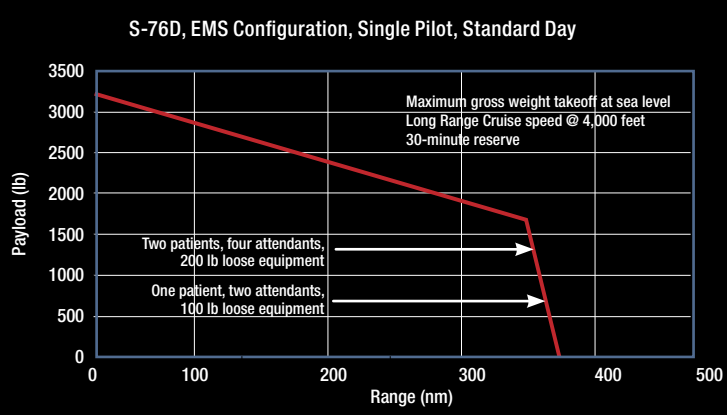
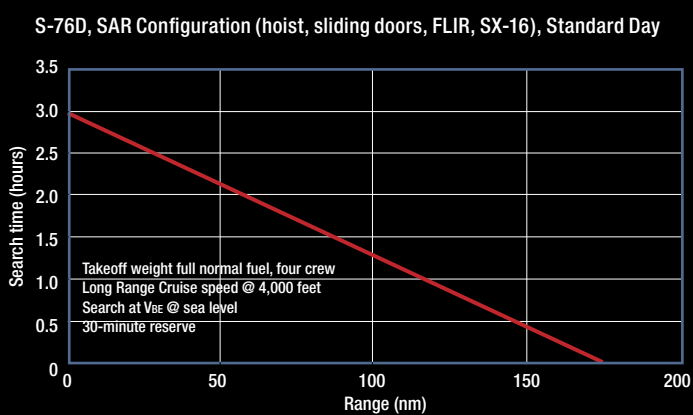
The Sikorsky S-76D helicopter has been developed in response to customer requirements in a way that will exceed operator expectations for performance, safety, and value.

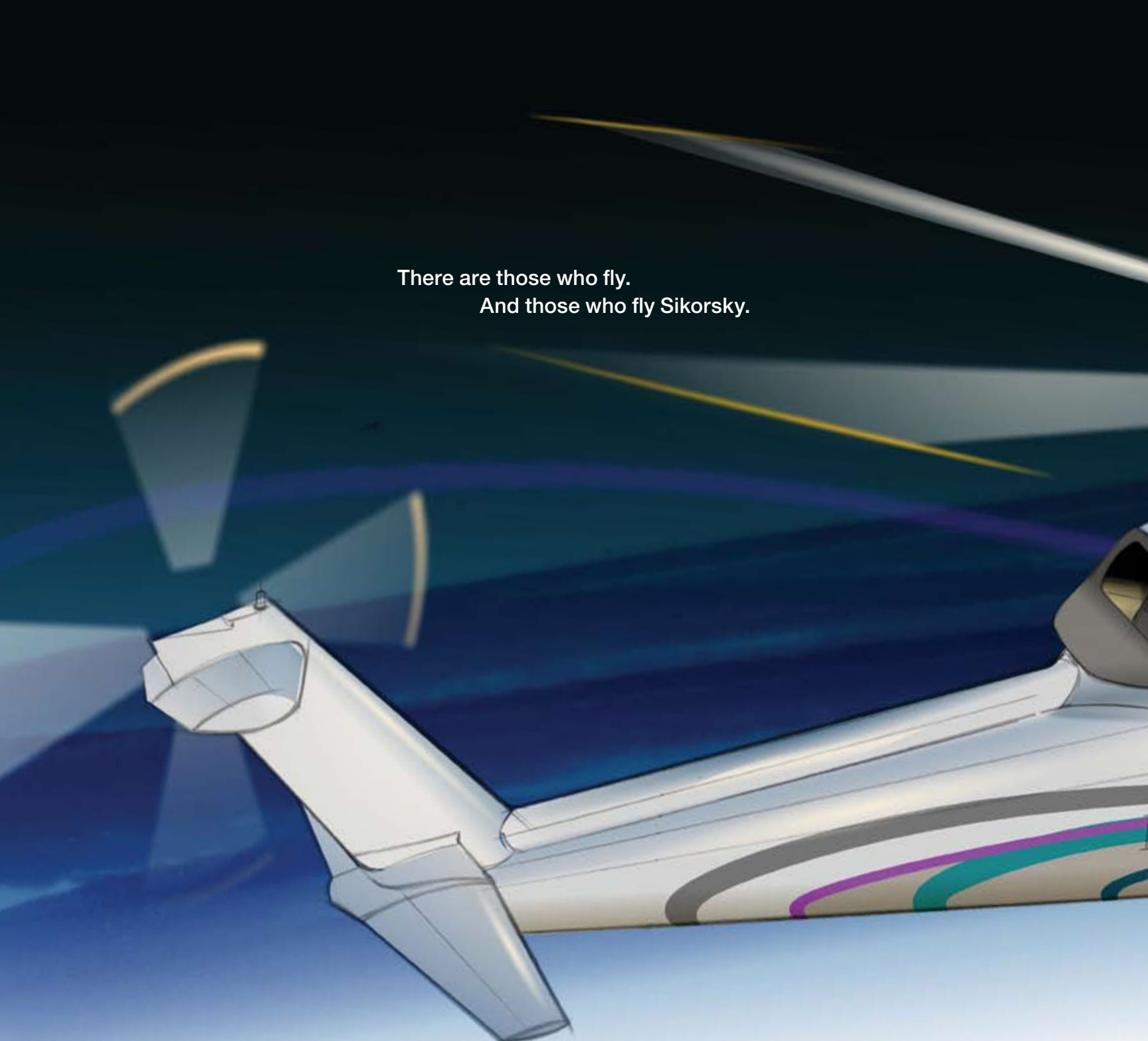
Because you never know where or when you'll be needed, the S-76D is certified for flight into known icing conditions, a key benefit for improved dispatch reliability.

The S-76D delivers impressive new capabilities, specifically a 1,000-pound increase in useful load for Category A, hot-day takeoff performance as well as extended range. With no increase in gross weight, S-76D operators will realize improved maneuverability and enhanced performance from advanced, lightweight, all-new composite main and tail rotor blades. New Pratt & Whitney Canada 210 engines have been designed and optimized specifically for the S-76D, to boost performance, reliability, and ease of maintenance.

Another new feature, the Quiet Tail Rotor system, lessens noise during takeoff, landing and flyovers. Other enhancements include an upgraded electrical generation system, and a next-generation avionics system jointly developed by Sikorsky and Thales.

THE BOTTOM LINE *The S-76D delivers a performance edge that translates into safety and mission effectiveness. Carry more, fly farther and operate more safely than ever before with the new S-76D.*





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

The Multi-Mission Experts

Operators with demanding missions know that Sikorsky is the only way to fly. In fact, the S-76D helicopter is simply 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 tool that would alter the course of human lives. Today, as the world's premier provider of helicopters for HEMS, SAR,

and ALE, 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*
- *Exceptional value*
- *Unparalleled service and support.*



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