SIKORSKY S-70
FIREHAWK®
WHEN MINUTES MATTER
BECAUSE FIGHTING A FIRE IS A BATTLE TOO.

Legendary BLACK HAWK Heritage

Born a BLACK HAWK, the FIREHAWK® helicopter relies on its proven military design to endure the unrelenting physical stresses demanded of the aerial firefighting, search and rescue, medical evacuation and utility missions. Its unmatched capabilities enable crews to work faster, smarter, and safer. Whatever the mission - when minutes matter, the FIREHAWK is the first to the fight.
VERSATILITY IS THE NAME OF THE GAME
Adapting to the Emergency at Hand, Day or Night

First responders need a platform they can depend on. The FIREHAWK® has proven to be the most effective, multi-mission, fire & rescue helicopter available, offering:

- Wildland Fire Attack and Suppression
- Search and Rescue
- Swift Water Rescue
- Emergency Medical Service
- Utility Transport, including Large Animal Rescue
- Night Operations
- Reliable Performance (in the most challenging conditions)
UNMATCHED BENEFITS
Unique Capabilities for a No Fail Mission

**S70 FIREHAWK**

- Enhanced Digital Cockpit for Reduced Pilot Workload
- Unlimited Life Composite Wide Chord Blades for Hot/High Alt Performance
- Large, Easy Access Cabin, Reconfigurable in Minutes
- Powerful, Reliable T700-GE-701D Engines with Improved Erosion Resistance
- Integrated Retractable Snorkel
- Unlimited Life Composite Wide Chord Blades for Hot/High Alt Performance
- 9000 lb (4,080 kg) Cargo Hook, Airspeed up to 120 kts (222 km/hr)
- Superior Crashworthiness and Safety
- Best in Class External Water Tank 1,000 gal (3,785 L), plus 30 gal (114 L) Foam Tank

**KEY ADVANTAGES**

<table>
<thead>
<tr>
<th>PAYLOAD</th>
<th>Carry Mixed Loads of Crew/Equipment/Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>PASSENGERS/CREW</td>
<td>Up to 13</td>
</tr>
<tr>
<td>SNORKEL WATER FILL</td>
<td>From a Variety of Sources</td>
</tr>
<tr>
<td>RAPID REFILL</td>
<td>Refill Tank &lt; 60 seconds</td>
</tr>
<tr>
<td>ACCURATE WATER DROP</td>
<td>Controlled Patterns/Volume</td>
</tr>
<tr>
<td>PRECISION HOVER CAPABILITY</td>
<td>w/ Embedded GPS/INS</td>
</tr>
<tr>
<td>HOT TEMP/HIGH ALTITUDE</td>
<td>Superior Performance</td>
</tr>
<tr>
<td>HIGH DASH SPEED</td>
<td>155 kts (287 km/hr)</td>
</tr>
<tr>
<td>HIGH MANEUVERABILITY</td>
<td>Controlled Responsiveness</td>
</tr>
</tbody>
</table>
ONE AIRCRAFT, MANY MISSIONS

Changing Roles on the Go
Drop water, transport crew, search/rescue, airlift patients...Rapidly convert the FIREHAWK helicopter’s cabin configuration while in flight, without the need for special tools.

FIRE CREW TRANSPORT*
- Carry up to 13 Fully-Equipped Fire Crew
- Passenger Seats Stowable in Ceiling
- Multiple Tie-Downs to Secure Equipment/Cargo

SEARCH AND RESCUE
- Precision Location GPS/INS Capability
- Enhanced Hover Modes
- Integrated External Electric Rescue Hoist
- Passenger Seats Stowable in Ceiling

MEDEVAC
- 2 Primary Litters
- Passenger Seats Stowable in Ceiling
- Advanced Life Support Capability with Built-in Medical Panel

*Additional seating options available
MANAGING THE MISSION, NOT THE MACHINE

Because the first flames are the fight.

FIREHAWK® Capabilities Enhance Mission Profile

REDSUCING PILOT WORKLOAD /
ENHANCING SITUATIONAL AWARENESS
• 4-Axis Fully Coupled Autopilot
• Digital Glass Cockpit with Flight Management System
• Automated Flight Control System w/ Coupled Flight Director
• Single Pilot Operations
• Active Vibration Control
• Integrated Vehicle Health Monitoring System

OPERATING AT NIGHT
• Night Vision Goggle Compatible
• Ground Fill Capability
• Optional FLIR

OPERATING IN CHALLENGING ENVIRONMENTAL CONDITIONS
• Proven GE Engines for Superior Power Margin
• Wide Chord Blade for Additional Lift
• 45 kts (83 km/hr) Tail Rotor Authority
• Incredible Responsiveness and Maneuverability

OPERATING IN CHALLENGING ENVIRONMENTAL CONDITIONS
• Proven GE Engines for Superior Power Margin
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• Incredible Responsiveness and Maneuverability
FIREHAWK® CUSTOMIZATION OPTIONS*

**MISSION EQUIPMENT**
- Extended Landing Gear
- External Electric Rescue Hoist
- Medical Interior
- Cargo Hook
- 1000 gal Water Tank w/ Integrated Retractable Snorkel
- Triple Patient Litter System

**ADDITIONAL EQUIPMENT**
- Engine Inlet Barrier Filter
- Power Sonic Loudhailer
- High-Powered Search Light
- Electro-Optical/Infrared System
- Environmental Control System
- Flight Following SATCOM
- Rotor Brake
- Manual Blade Fold Kit
- Helicopter Emergency Lighting System

**AVIONICS**
- Wireless Communications
- ADS-B
- Moving Map System
- Mission Planning System
- Weather Radar
- Mark on Top
- Additional Internal Communication System
- Augmented Reality Mapping System
- Commercial Radios w/ Emergency Services Communication

*Available through Sikorsky and/or Completion Center
*Additional Options Available
**S-70i/M SPECIFICATIONS**

*Firehawk* Specifications are dependent on selected options and can be provided upon request

### PERFORMANCE (Estimated)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard day sea level, maximum gross weight (GW)</td>
<td>22,000 lb (unless otherwise noted)</td>
</tr>
<tr>
<td>Maximum Speed (Vne)</td>
<td>163 kts 302 km/hr</td>
</tr>
<tr>
<td>Maximum Cruise Speed (Vh)</td>
<td>145 kts 268 km/hr</td>
</tr>
<tr>
<td>Economy Cruise Speed (99% Vbr)</td>
<td>128 kts 237 km/hr</td>
</tr>
<tr>
<td>Maximum Range (no reserve)</td>
<td>268 nm 496 km</td>
</tr>
<tr>
<td>Maximum Rate of Climb</td>
<td>2,020 ft/min 10.26 km</td>
</tr>
<tr>
<td>Maximum Ceiling</td>
<td>20,000 ft 6,097 m</td>
</tr>
<tr>
<td>Service Ceiling</td>
<td>15,000 ft 4,572 m</td>
</tr>
<tr>
<td>Hover Ceiling - OGE</td>
<td>6,200 ft 1,890 m</td>
</tr>
<tr>
<td>Hover Ceiling - IGE</td>
<td>10,270 ft 3,130 m</td>
</tr>
<tr>
<td>OEl Service Ceiling</td>
<td>6,780 ft 2,067 m</td>
</tr>
</tbody>
</table>

### CABIN DIMENSIONS

- **Utility Configuration**: 2 Pilots, 2 Cabins Crew Members and 11 Troops
- **Cabin Length**: 12.58 ft 3.84 m
- **Cabin Width (on floor)**: 6.00 ft 1.82 m
- **Cabin Width (at door)**: 7.00 ft 2.13 m
- **Cabin Height**: 4.52 ft 1.38 m
- **Cabin Area**: 88.00 sq-ft 8.18 sq-m
- **Cabin Volume**: 396.00 cu ft 11.21 cu-m
- **17 Tie-down Rings**
- **Cargo floor rated at 300 psf (1,464 kg/m²)**
- **Two storage compartments (20.34 cu-ft) over fuel cells**

### FUEL CAPACITY

- **Baseline Fuel Capacity**: 360 gal 1,362 L

### WEIGHTS

- **Empty Weight (excludes 11 cabin troop seats, 207 lb)**: 11,853 lb 5,376 kg
- **Maximum Take-off Gross Weight**: 22,000 lb 9,979 kg
- **Maximum Take-off Gross Weight (external load and with Firefighting water tank installed)**: 23,500 lb 10,659 kg

### POWER PLANTS (Sea Level Standard), Values Provided per Engine

- **Two (2) - T700-GE-701D**
  - **2.5 Minute OEl Contingency**: 1,972 shp 1,471 kW
  - **10 Minute Takeoff Power**: 3,910 shp 2,916 kW
  - **30 Minute Intermediate Power**: 3,738 shp 2,788 kW
  - **MAX Continuous Power**: 3,356 shp 2,502 kW

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*Drawing dimensions shown in standard inches*
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• Avionics, AFCS & Electrical
• Maintenance Manager
• Quality Assurance & Inspector
• Sikorsky Training Academy, Stuart FL

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• Health & Usage Monitoring (HUMs)
• Logistics Management

Sikorsky Offers Customizable Training Solutions at our Facilities and in the Field.
OVER 100 YEARS OF INNOVATION

Proud of Our Legacy...Excited About Our Future

FROM THE INVENTOR OF THE MODERN HELICOPTER'S VISION...

...TO UBQUITOUS PRODUCTS AROUND THE WORLD...

...TO NEW CAPABILITIES TOMORROW!

“I always believed that the helicopter would be an outstanding vehicle for the greatest variety of lifesaving missions.”

Igor I. Sikorsky
Legendary Aviation Pioneer
Founder of Sikorsky

“Our goal is to bring people home everywhere... every time. We are committed to designing and manufacturing a quality product that will do just that.”

Daniel C. Schultz
President
Sikorsky, A Lockheed Martin Company

SPEED

AUTONOMY

MACHINE INTELLIGENCE