

 **United Rotorcraft®**

Military & Public Use



The HH-60L Black Hawk is equipped with an interior system that is capable of being re-configured in less than two minutes, without any tools, to support multiple mission requirements including:



- Battlefield MEDEVAC. Advanced life support medical care for up to six (6) patients.
- Forward Surgical Team transport
- Joint operations - Hospital ship
- Cargo Transport (220 cu ft)
- MAST mission (Military Assistance to Safety and Traffic)
- Search and Rescue (SAR)
- Disaster Relief

EQUIPMENT

- Patient Litter Lift System
- Crashworthy Ambulatory Patient/Troop Seats
- Oxygen Generation System
- Medical Suction System
- Medical Electrical (115 VAC/60 Hz)
- IV Provisions
- High Intensity/Dual Mode Lighting
- Medical Equipment Storage
- Patient Monitoring Systems

No equipment is removed from the aircraft for any configuration which ensures that the aircraft is capable of meeting any mission requirement at anytime.



Air Methods' modular patient handling system supports rapid reconfiguring or removal for various missions. U.S. Army Airworthiness Release in December 2010

Capabilities

- Four Litter Patients or Four Ambulatory Patients or Two Ambulatory and Two Litter
- Compatible with STANAG 2040
- Low Weight

Medical Systems

- 4 Medical Oxygen Cylinder Mounts
- 115VAC/60Hz Power for chargers and medical equipment

Ambulatory Patient Seating

- Quick detachable
- Folding seat pans
- Energy attenuating



The S-70A Multi-Mission Helicopter is a variant of the successful UH-60L BLACK HAWK helicopter utilized by the U.S. Army. The aircraft has a maximum gross weight of 23,000 lbs., can cruise at 155 knots, and is equipped with specialized systems and equipment making it capable of performing a variety of missions including airborne firefighting, swift water and blue water search and rescue, emergency medical transport, fire crew transportation, and internal or external cargo transport.



RADS III/Helitack Tank System

- Mfr: Aero Union
- 1,000 gallon water tank
- 30 gallon foam tank
- 1,000 gallon per minute snorkel
- Computer-controlled doors

A Kit: Fixed Provisions

- Water tank fuselage attachment lugs
- Wiring associated with cockpit control panel.
- Landing gear extension fitting
- Air Methods Integrated Pilot Control System

B Kit: Removable Provisions

- Water tank (1,000 gallons/3,785 liters)
- Water pump-snorkel (1,000 gallons/3,785 liters per minute)
- Extended landing gear
- Cockpit control panel



The Medical Evacuation Vehicle (MEV) is the Battalion Aid Station for brigade units, providing treatment for serious injury and advanced trauma cases.

Medical Interior Design Features

- Capacity to transport four (4) patients on standard NATO litters, or six (6) ambulatory patients
- Swift loading system through rear troop door of four (4) litter patients within two minutes
- Powered Litter System simplifies patient handling and access
- Treatment of soldiers under protective armor
- Advanced Medical Systems for Critical Care



FLOOR SYSTEM

- Lightweight KYDEX material prevents damage from loading & unloading patients
- Durable, provides fluid containment, and is impact resistant
- Washable flooring makes for minimal and easy maintenance
- Protects floors and both side and rear door thresholds
- FAA STC SR00745DE approved in EC-145/BK-117-C2 for the UH-72A
- US Army issued first AWR June 2012



United Rotorcraft

VERTICAL INTEGRATION

Industry Leading Solutions

ENGINEERING AND CERTIFICATION

We have over 30 engineers with varied aerospace training such as mechanical, electrical, systems, and structural. Our engineering and certification departments are tirelessly focused on improving our established products and providing new solutions to aircraft completions.

MANUFACTURING

Once the design is developed and approved our state of the art manufacturing department steps in. With over 140,000 square feet of production and completion facilities in Colorado and Texas our customers needs are whether they require a build-to-print or build-to-spec product. We've co-located the engineering and manufacturing along with quality assurance to minimize production paths and allow for rapid component design, manufacture and assembly.

Our production capability includes:

- CNC Machining Center
- Military Standard Welding
- Sheet Metal Fabrication
- Thermoformed Plastics
- Electrical and Avionics Manufacturing and Assembly
- Composite and Fiberglass Manufacturing and Repair
- Aircraft Interiors Fabrication

AIRCRAFT INTERIORS

Our aircraft interior shop manufactures and installs customized aircraft interiors to specific customer requirements including interior panels, seat contouring and upholstery, cabinetry, soundproofing, and aircraft flooring. These special processes include:

- Cabinetry and Storage
- Ergonomic Seating
- Carpet and Flooring Solutions
- Upholstery / Embroidery
- Interior Panels
- Aircraft Painting
- Night Vision Solutions

ORGANIZATION DELEGATION AUTHORIZATION

Or better known as an ODA designation allows us to conduct Supplemental Type Certification (STC) activities, either on-site or at an off-site approved facility, with minimal FAA involvement resulting in shorter certification time. We hold approximately 200 STCs for both rotorcraft and fixed wing aircraft and can support data approval requirements for field approvals throughout the U.S. We also coordinate certification activities with international aviation authorities including Canada, Europe, Asia, Pacific RIM, and the Middle East.

MANUFACTURING APPROVALS AND INSTALLATIONS

United Rotorcraft manufactures many of its products under a PMA (Parts Manufacturing Authority). The parts are installed at our facilities where we have FAA repair station licenses and certified technicians that are A&P mechanics, IA, or DARs.



An industry leader and trusted name, to quality. Our ability to provide vertical integration of industry leading solutions for air operators is unmatched. We have our own internal laboratory with access to more than 400 aircraft... the ideal platform to produce industry leading advances in avionics and interiors.

United Rotorcraft provides customized completions for your new helicopter or full modifications and refurbishments for your existing fleet. Our priority is customer support, service and satisfaction!

With decades of experience, our factory trained technicians and experienced engineering staff have the expertise to accommodate your needs on time and on budget.

From the simplest kit to the most extravagant modification United Rotorcraft delivers superior systems integrations to meet or exceed your requirements.

Our interior shop has 30+ years of experience. We fabricate and install the utmost in quality from durable utility to luxurious executive configurations.

And our exterior paint finishes, even the most intricate pattern, are exceptional. Our talented and dedicated technicians take pride in providing your specific scheme in the highest quality materials and workmanship available.

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