THE KING OF HEAVY LIFT

Unparalleled Performance

With a 36,000 lb (16,300 kg) external lift capability and a cabin 12 inches (30 cm) wider than legacy aircraft, the CH-53K heavy lift helicopter combines power and versatility like nothing else that flies. It is at home in searing desert heat, arctic cold and everything in between. Flying a range of missions – carrying cargo or vehicles, transporting troops or airtlifting the wounded – the CH-53K is designed to operate on land or at sea. In high altitude/hot temperature environments, the CH-53K can carry twice the payload of its predecessors, allowing missions to be performed faster, safer and more efficiently than ever before.
THE VALUE OF ALL NEW

CH-53K

With its all new, integrated modern design, the CH-53K is an intelligent aircraft developed to 21st century standards for improved safety, reliability and maintainability, offering:

- Enhanced Performance and Mission Capability
- Improved Survivability Features
- Predictive Maintenance Capability
- Commercial Level Availability Rates
- Lower Life Cycle Costs
- Significant Growth Potential
SPEED IS MISSION CRITICAL

With its unrivaled speed, lift capacity and maneuverability, the CH-53K can complete the most demanding mission requirements in less time with fewer sorties than other helicopters in its class. At 170 kts (315 km/hr) cruise speed, the CH-53K has the ability to get in and out of critical situations quickly, reducing exposure of its passengers and crew in hostile environments.
UNMATCHED BENEFITS
For Missions Today and Tomorrow

**CH-53K**

**KEY ADVANTAGES**

**FUEL EFFICIENT ENGINES**
18% Improvement Over Legacy

**MEAN TIME TO REPAIR**
35% Improvement Over Legacy

**MARITIME COMPATIBLE**
Built for Shipboard Operations

**CONDITION BASED MAINTENANCE**
Lower Operating Costs

**AUTONOMY**
Provisioned for Future Upgrade

**IMPROVED PAYLOAD EFFICIENCY**
12% Greater Cabin Volume

**TRANSPORT CAPABILITIES**
Meets NATO FHTH Requirements

**HOT TEMP/HIGH ALTITUDE**
Superior Performance

**DEGRADED VISUAL ENVIRONMENT**
Inherent DVE Capability

**INTÉGÉE ET EFFICIENT ENGINES**
T408 GE/MTU Engine for Increased Power Margin and Performance

**ALL-COMPOSITE ROTOR BLADES**
Offers Improved Performance and Corrosion Resistance

**CORROSION RESISTANT FUSELAGE**
Optimized for Marine Environment

**36,000 lb (16.300 kb)**
External Lift, Single Point; Triple External Cargo Hooks Allow Multiple Drops per Sortie

**WIDE CABIN CAN**
Transport HMMWV and Similar Vehicles

**DIGITAL GLASS COCKPIT AND FLY-BY-WIRE (FBW) FLIGHT CONTROLS**
for Reduced Pilot Workload and All Weather Operations

**INTEGRATED WORK PLATFORMS FOR EASE OF MAINTENANCE**

**INTEGRATED VEHICLE HEALTH MANAGEMENT SYSTEM (IVHMS)**
Enhances Safety and Supportability

**T408 GE/MTU ENGINE**
For Increased Power Margin and Performance

**ALL-COMPOSITE ROTOR BLADES**
Offers Improved Performance and Corrosion Resistance

**CORROSION RESISTANT FUSELAGE**
Optimized for Marine Environment

**36,000 lb (16.300 kb)**
External Lift, Single Point; Triple External Cargo Hooks Allow Multiple Drops per Sortie

**WIDE CABIN CAN**
Transport HMMWV and Similar Vehicles

**DIGITAL GLASS COCKPIT AND FLY-BY-WIRE (FBW) FLIGHT CONTROLS**
for Reduced Pilot Workload and All Weather Operations

**INTEGRATED WORK PLATFORMS FOR EASE OF MAINTENANCE**
ONE AIRCRAFT, MANY MISSIONS

Transport More Material More Rapidly

Flexible configurations offer rapid changeover for maximum mission effectiveness.

TROOP TRANSPORT
- 32 Crashworthy Seats
- Rapid Seat Installation/Removal
- Entry through Ramp or Side Door
- Integrated Mobile Aircrew Restraint System (IMARS)

CARGO TRANSPORT
- 463L Cargo Pallet Fast Locking System
- Invertible Cargo Rollers Stow in Place
- Rear Ramp for RapidLoading/Unloading
- 103 inch (262 cm) wide Cabin Ramp

MIXED TRANSPORT (TROOP/CARGO)
- Forward Mounted Cargo Winch
- Folding Seats for Rapid Stowage
- Standard 463L Pallet

MEDICAL EVACUATION
- Quad Stacked, Standard Litter
- 24 Patients
- Easy Litter Installation/Removal for Patient Loading

*Additional seating and cabin configuration mix options available
LAUNCH INTO ANY ENVIRONMENT

- Independent Triple Hook External Lift
- Triple Redundant Fly-By-Wire (FBW) Flight Controls
- Weapons Equipment Provisions
- Enhanced Survivability
- Fully Shipboard Compatible
- Aerial Refueling
- Automated Blade Fold < 2 Minutes
- All Weather
DESIGNED WITH THE FUTURE IN MIND

The CH-53K is poised for significant capability growth for years to come. Its avionics and flight control systems are designed to accommodate future software upgrades, and its internal payload capability may be increased substantially in the future with relatively simple modifications. The CH-53K integrates the latest rotor-wing technologies into a heavy-lift helicopter for today, and tomorrow.
### CH-53K Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
<th>Conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Design Gross Weight (MDGW)</strong></td>
<td>88,000 lb</td>
<td>39,900 kg</td>
</tr>
<tr>
<td><strong>Maximum Gross Weight with Internal Load</strong></td>
<td>74,000 lb</td>
<td>33,600 kg</td>
</tr>
<tr>
<td><strong>Velocity @ Maximum Continuous Power</strong></td>
<td>158 ktas</td>
<td>293 km/hr</td>
</tr>
<tr>
<td><strong>Hover Out of Ground Effect Gross Weight</strong></td>
<td>88,000 lb</td>
<td>39,900 kg</td>
</tr>
<tr>
<td><strong>Service Ceiling (International Standard Atmosphere)</strong></td>
<td>16,000 ft</td>
<td>4,880 m</td>
</tr>
<tr>
<td><strong>Service Ceiling (International Standard Atmosphere + 24°C)</strong></td>
<td>13,200 ft</td>
<td>4,020 m</td>
</tr>
<tr>
<td><strong>External Lift Mission Payload, @ 110 nm (204 km) Radius of Action</strong></td>
<td>27,000 lb</td>
<td>12,200 kg</td>
</tr>
<tr>
<td><strong>External Load Hook Rating - Center (Single Point)</strong></td>
<td>36,000 lb</td>
<td>16,300 kg</td>
</tr>
<tr>
<td><strong>External Load Hook Rating - Fwd/Aft</strong></td>
<td>25,200 lb</td>
<td>11,400 kg</td>
</tr>
<tr>
<td><strong>Internal Cargo System</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor Loading</td>
<td>300 lb/ft²</td>
<td>1.100 kg/m² (per standard pallet)</td>
</tr>
<tr>
<td>Standard USMC 40”x 48” Wooden Pallets</td>
<td>2,500 (x qty 6) lb</td>
<td>10.000 kg (x qty 6) kg</td>
</tr>
<tr>
<td>Full 463L Pallets</td>
<td>10,000 (x qty 2) lb</td>
<td>4,500 kg (x qty 2) kg</td>
</tr>
<tr>
<td>Half 463L Pallets</td>
<td>5,000 (x qty 5) lb</td>
<td>2,300 kg (x qty 5) kg</td>
</tr>
<tr>
<td>Tactical Bulk Fuel Delivery System</td>
<td>3 x 800 gallon tanks</td>
<td>3 x 3030 liter tanks</td>
</tr>
<tr>
<td><strong>Aircraft Length (blades and tail unfolded)</strong></td>
<td>99 ft</td>
<td>30.2 m</td>
</tr>
<tr>
<td><strong>Aircraft Width</strong></td>
<td>17.5 ft</td>
<td>5.3 m</td>
</tr>
<tr>
<td><strong>Aircraft Height (blades and tail unfolded)</strong></td>
<td>28.3 ft</td>
<td>8.6 m</td>
</tr>
<tr>
<td><strong>Cabin Length</strong></td>
<td>30 ft</td>
<td>9.1 m</td>
</tr>
<tr>
<td><strong>Cabin Width</strong></td>
<td>8.6 ft</td>
<td>2.6 m</td>
</tr>
<tr>
<td><strong>Cabin Height</strong></td>
<td>6.5 ft</td>
<td>2.0 m</td>
</tr>
<tr>
<td><strong># Seats</strong></td>
<td>34 Crashworthy Seats (2 Pilots, 2 Crew Chiefs, 30 Troops)</td>
<td></td>
</tr>
<tr>
<td><strong># Litters</strong></td>
<td>24</td>
<td></td>
</tr>
<tr>
<td><strong>Internal Fuel Capacity</strong></td>
<td>2,286 gallons (6.8lb/gallon = 15,545 lb)</td>
<td>8.653 liters (0.82 kg/liter = 7.095 kg)</td>
</tr>
<tr>
<td><strong>Internal Aux Fuel Capacity</strong></td>
<td>2,400 gallons (16,320 lb)</td>
<td>9.085 liters (7.450 kg)</td>
</tr>
<tr>
<td></td>
<td>3 x 800 gallon tanks</td>
<td>3 x 3,028 liter tanks</td>
</tr>
</tbody>
</table>

### Dimensions

- **Main Rotor Diameter**: 79ft
- **Tail Rotor Diameter**: 20ft
- **Cabin Length**: 30 ft
- **Cabin Width**: 8.6 ft
- **Cabin Height**: 6.5 ft
- **# Seats**: 34 (2 Pilots, 2 Crew Chiefs, 30 Troops)
- **# Litters**: 24
- **Internal Fuel Capacity**: 2,286 gallons (6.8lb/gallon = 15,545 lb)
- **Internal Aux Fuel Capacity**: 2,400 gallons (16,320 lb)
GLOBAL SUSTAINMENT SOLUTIONS
Keeping our Customers Flying, from Delivery through the Full Life Cycle of your Aircraft

Using the Latest in Data Analytics and Technical Support for Increased Availability

- Dedicated Account Management
- Logistics Forecasting
- Health & Usage Monitoring (HUMS) Data Analysis

Mission Ready

Inventory and Technical Experts Closer to Wherever Your Mission Takes You

- Robust Spare Parts Inventory and Repair Capabilities
- Web Based Ordering & Tracking
- Technical Engineering Support
- Field Support Representatives
- Worldwide Mobile Repair Teams
- Logistic Support Representatives

Customized Logistics Programs to Meet Your Business Needs

- Customized Logistics Programs
- Contractor Logistics Support
- Aircraft Mods & Upgrades
- Ground Support Equipment

Customer Sales & Support 24/7 • 1-800-Winged-S (1-800-946-4337) • International 1-203-386-3029
TRAINING SOLUTIONS

Safety Starts with Training

PILOT TRAINING
- Initial, Recurring, Transition
- Classroom
- Full Motion Flight Simulators
- Operational Aircraft

MAINTENANCE TRAINING
- Airframe & Powerplant
- Avionics, AFCS & Electrical
- Maintenance Manager
- Quality Assurance & Inspector
- Sikorsky Training Academy, Stuart FL

FLEET MANAGEMENT AND TECHNICAL SERVICES
- 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