



SIKORSKY
CH-53K

THE ONLY HEAVY
LIFT SOLUTION



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 airlifting 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

Smarter. Safer. More Efficient.



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

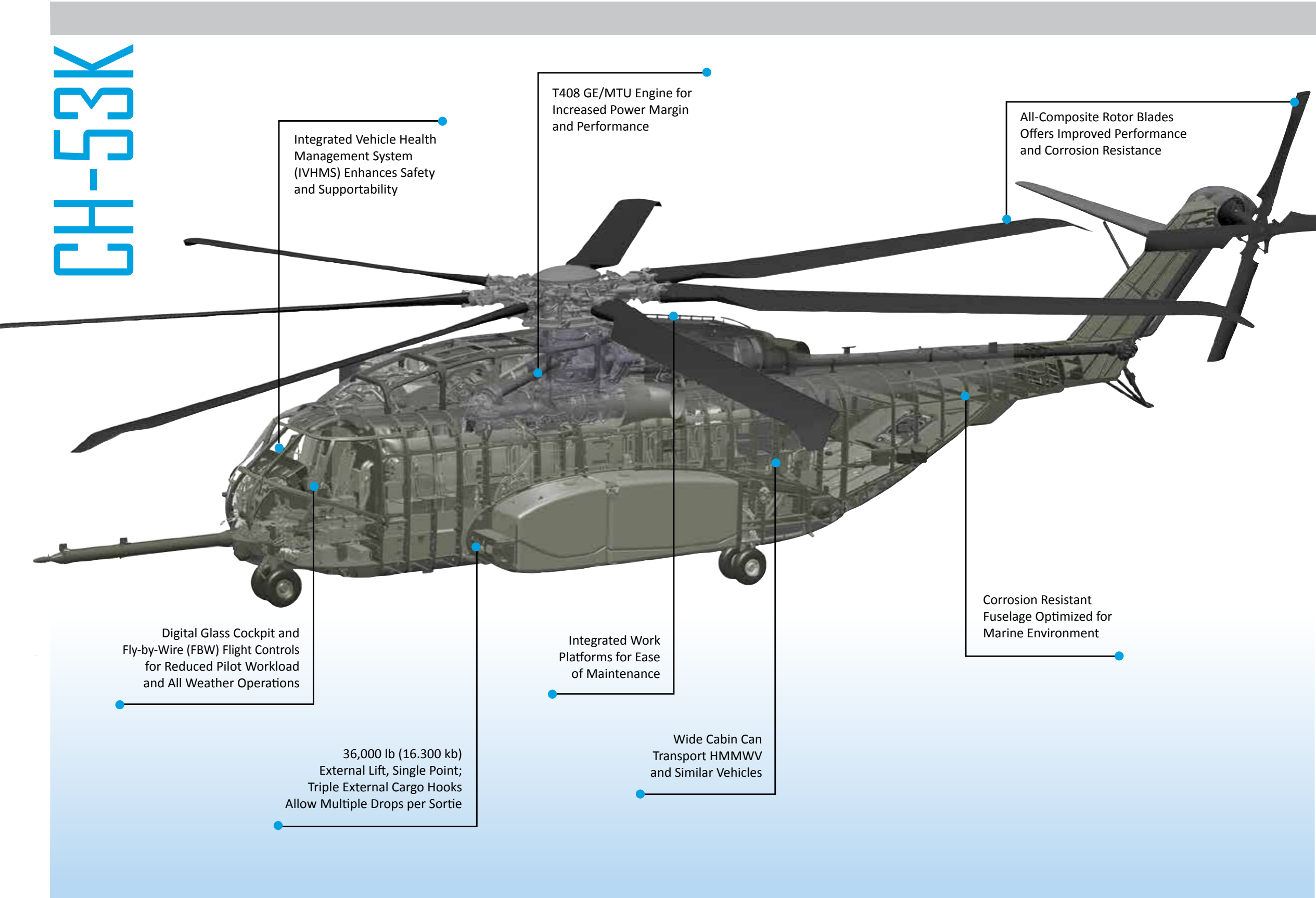
With its unrivaled speed, lift capacity and maneuverability, the CH-53K can complete the most demanding mission requirements in less time with fewer sorties than other helicopters in its class. At 170 kts (315 km/hr) cruise speed, the CH-53K has the ability to get in and out of critical situations quickly,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



UNMATCHED BENEFITS

For Missions Today and Tomorrow

CH-53K



KEY ADVANTAGES



IMPROVED PAYLOAD EFFICIENCY
12% Greater Cabin Volume



TRANSPORT CAPABILITIES
Meets NATO FHTH Requirements



FUEL EFFICIENT ENGINES
18% Improvement Over Legacy



MARITIME COMPATIBLE
Built for Shipboard Operations



HOT TEMP/HIGH ALTITUDE
Superior Performance



MEAN TIME TO REPAIR
35% Improvement Over Legacy



CONDITION BASED MAINTENANCE
Lower Operating Costs



DEGRADED VISUAL ENVIRONMENT
Inherent DVE Capability



AUTONOMY
Provisioned for Future Upgrade

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 Rapid Loading/Unloading
- 103 inch (262 cm) wide Cabin Ramp



MIXED TRANSPORT (TROOP/CARGO)

- Forward Mounted Cargo Winch
- Folding Seats for Rapid Stowage
- Standard 463L Pallet

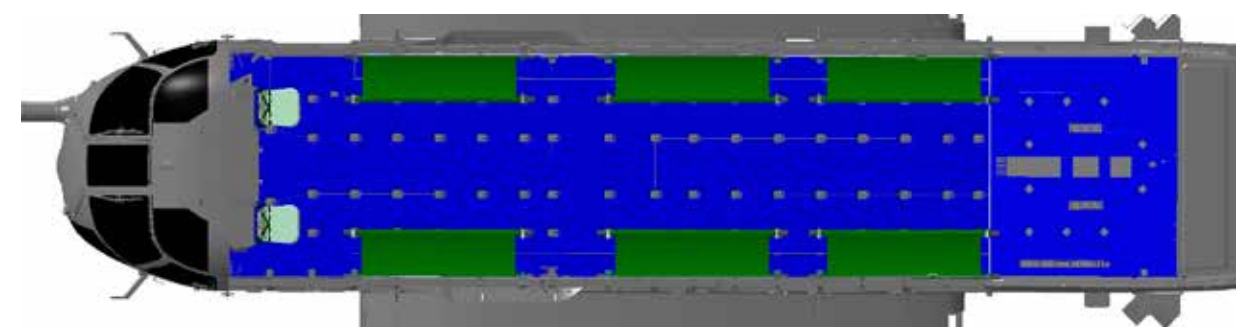
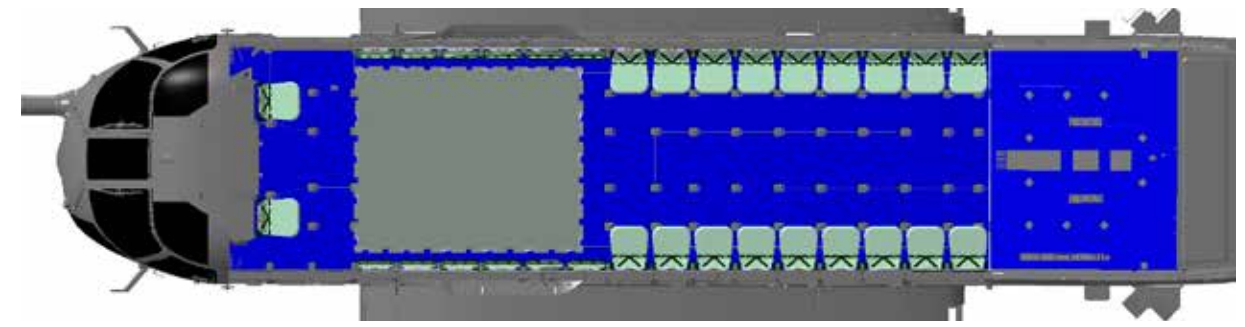
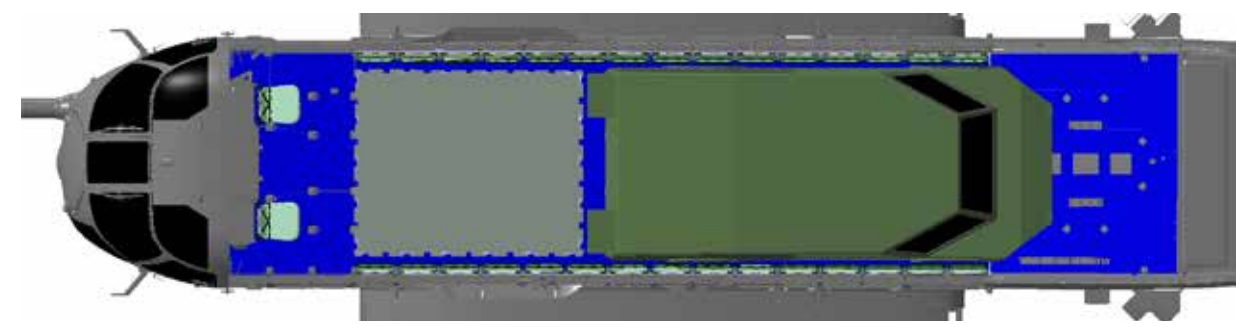
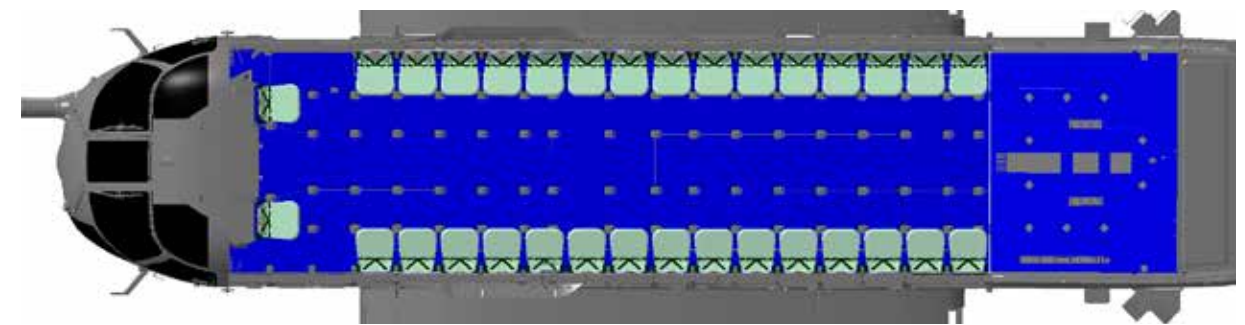


MEDICAL EVACUATION

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



Interior Cabin Mission Configurations



*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.



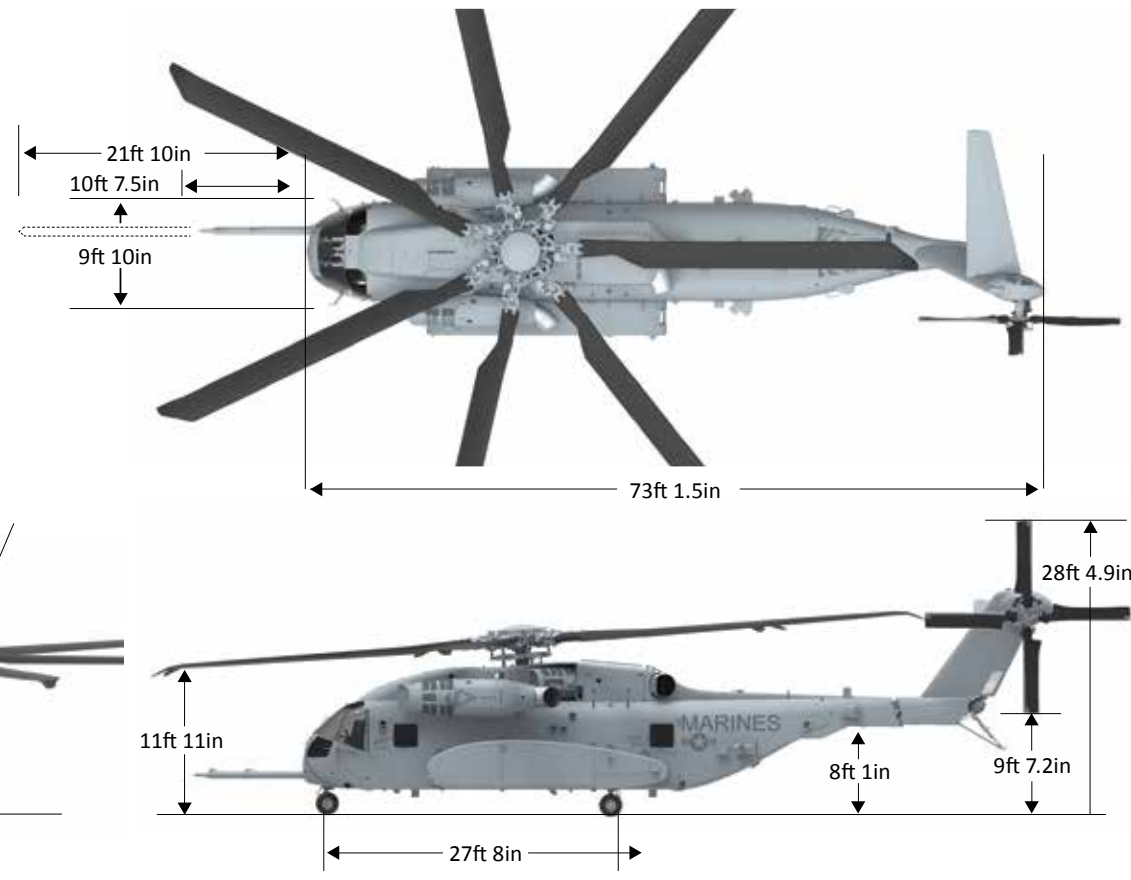


CH-53K SPECIFICATIONS

Maximum Design Gross Weight (MDGW)	88,000 lb	39.900 kg
Maximum Gross Weight with Internal Load	74,000 lb	33.600 kg
Velocity @ Maximum Continuous Power (Sea Level Standard)	158 ktas	293 km/hr
Hover Out of Ground Effect Gross Weight (Sea Level Standard)	88,000 lb	39.900 kg
Service Ceiling (International Standard Atmosphere)	16,000 ft	4.880 m
Service Ceiling (International Standard Atmosphere + 24°C)	13,200 ft	4.020 m
External Lift Mission Payload, @ 110 nm (204 km) Radius of Action	27,000 lb	12.200 kg
External Load Hook Rating - Center (Single Point)	36,000 lb	16.300 kg
External Load Hook Rating - Fwd/Aft	25,200 lb	11.400 kg
Internal Cargo System:		
Floor Loading	300 lb/ft ²	1.470 kg/m ²
Standard USMC 40"x 48" Wooden Pallets	2,500 (x qty 6) lb	1.100 (x qty 6) kg
Full 463L Pallets	10,000 (x qty 2) lb	4.500 (x qty 2) kg
Half 463L Pallets	5,000 (x qty 5) lb	2.300 (x qty 5) kg
Tactical Bulk Fuel Delivery System	3 x 800 gallon tanks	3 x 3030 liter tanks
Aircraft Length (blades and tail unfolded)	99 ft	30.2 m
Aircraft Width	17.5 ft	5.3 m
Aircraft Height (blades and tail unfolded)	28.3 ft	8.6 m
Cabin Length	30 ft	9.1 m
Cabin Width	8.6 ft	2.6 m
Cabin Height	6.5 ft	2.0 m
# Seats	34 Crashworthy Seats (2 Pilots, 2 Crew Chiefs, 30 Troops)	
# Litters	24	
Internal Fuel Capacity	2,286 gallons (@ 6.8lb/gallon = 15,545 lb) 2 cells per sponson	8.653 liters (@0.82 kg/liter = 7.095 kg)
Internal Aux Fuel Capacity	2,400 gallons (16,320 lb) 3 x 800 gallon tanks	9.085 liters (7.450 kg) 3 x 3.028 liter tanks

DIMENSIONS

Rotor Diameters
Main Rotor = 79ft
Tail Rotor = 20ft



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



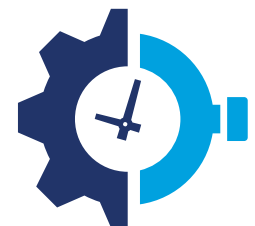
Inventory and Technical Experts Closer to Wherever Your Mission Takes You



- 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



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

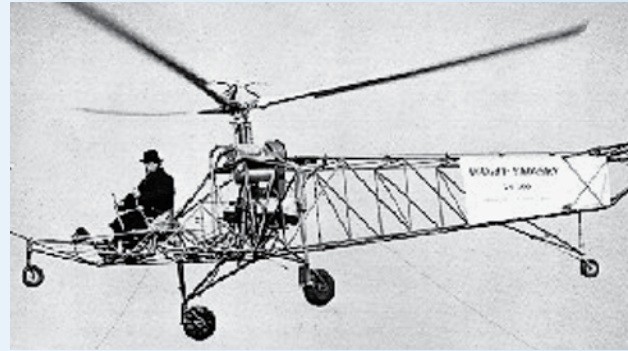


Sikorsky Offers Customizable Training Solutions at our Facilities and in the Field.

OVER 100 YEARS OF INNOVATION

Proud of Our Legacy...Excited About Our Future

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



...TO UBIQUITOUS 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



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NAVAIR Public Release 2018-320. Distribution Statement A - Approved for public release; distribution is unlimited.
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