As emergencies and natural disasters increase in number and intensity, the Columbia 234 Multi-Mission Chinook stands ready to meet every challenge.
Columbia Model 234 Multi-Mission Chinook

YOUR MULTI-MISSION MULTIPLIER

Columbia, the proven name in heavy lift helicopters for more than 60 years, is pleased to introduce the Columbia Model 234 Multi-Mission Chinook. Developed in direct response to customer demand, the world's largest multi-mission heavy lift helicopter can be quickly reconfigured to meet multiple mission profiles, expanding each aircraft's economic efficiencies and return on investment.

The Columbia Model 234 Multi-Mission Chinook is a twin turbine engine, tandem rotor helicopter designed for global multi-mission heavy lift operations. Certification ensures ease of operation internationally, with no limitations or restrictions, making it a true global multi-use platform.

FAA type certificated, standard transport category, tandem rotor Chinook is certificated for global multi-mission heavy lift operations. Certification ensures ease of operation internationally, with no limitations or restrictions, making it a true global multi-use platform.

Large ramp allows cargo and personnel to be loaded efficiently.

Purposefully designed to reconfigure quickly, the aircraft reduces down time while maximizing cost efficiency.

The aircraft's extreme flexibility, including combo configurations, allows agencies to easily support multiple missions year-round. Purposefully designed to reconfigure quickly, the aircraft reduces down time while maximizing cost efficiency.

Potential Combinations:
- Passengers & Medevac
- Passengers & Cargo
- Passengers & Firefighting
- Passengers & Extended Range Fuel Tank

The Columbia Model 234 Multi-Mission Chinook's highly configurable profile allows you the flexibility to combine capabilities for maximum utilization.
The Heavy Lift Authority

For more than 60 years, Columbia Helicopters has provided unique heavy lift helicopter services around the world. From design and manufacture to operation and maintenance, Columbia’s proven record of flying and maintaining our heavy lift aircraft is unmatched in the industry.

We are the type certificate holder of the 234 Chinook, which enables us to modify the aircraft to meet each customer’s operational needs. In addition, we are the production certificate holder, allowing us to produce parts and perform repair as a true one stop shop for the 234. Our FAA-authorized Part 145 repair station, also approved by EASA, allows us to rapidly and expertly support your aircraft, from nose to tail.

Full Range of Services

Long – Term Leasing Programs
• 24-hour Operations and Safety Control Center
• Complete Maintenance, Crew and Pilot Training
• Power-by-Hour Engine Support

Specialized Engineering Support Services

Major Aircraft Modifications

Nose to Tail Aircraft Sustainment
• Airframe & Components
• Avionics, Hydraulics, Drivetrain, Rotor Blades, Finishing and Parts Support
• Engine
PASSENGER TRANSPORT

RAPIDLY INSERT AND RESCUE

The Columbia Model 234 Multi-Mission Chinook is rapidly configurable in two separate ways to transport up to 44 passengers. Seating is easily installed and removed to change the aircraft mission profile.
Fast Rope Insertion Extraction System (FRIES)

Originally developed for deploying troops from a helicopter in places and situations where it is hard or challenging for the helicopter itself to touch down, the Fast Rope system is also helpful for personnel to be quickly inserted into areas without a landing zone to begin supporting efforts.

19-SEAT CONFIGURATION
- Side facing crashworthy 19 seat configuration
- Easily storable fold-down seats
- 5-point harnesses

44-SEAT CONFIGURATION
- Type Certified for up to 44 passengers with flight attendant(s)
- Multiple attachment points available per seat for easy flexibility in case of configuration changes
FIREFIGHTING

PRECISION DROPS THAT PACK A PUNCH
As the world experiences larger, hotter, and longer fire seasons, agencies demand bigger, more effective firefighting tools. The Columbia Model 234 Multi-Mission Chinook delivers. With internal and external lift capabilities, this workhorse drops water/retardant payload with extreme precision.

QUICK FACTS

2,800 Gallon Internal Tank Capacity

2,600 Gallon External Bucket Capacity

EXTERNAL
Bambi Bucket
As an alternative to the internal tank, the Columbia Model 234 Multi-Mission Chinook utilizes the 2,600-gallon bucket for suppressant and retardant drops.

LONG REACH
Bucket suspends 200 feet below the helicopter, giving access to streams, lakes, and rivers in wooded areas

HIGH CAPACITY
2,600-gallon (9,000-liter) SEI Powerfill Torrentula Bambi Bucket

QUICK FILL
Four high speed pumps fill the bucket in less than 90 seconds

SHALLOW SOURCE
Can fill from a water source as shallow as 18 inches
ADDITIONAL FIREFIGHTING SUPPORT

• Supply drops  • 19 Pax Crew transport in standard configuration
• Medevac     • Ground-clearing vehicle delivery

INTERNAL
Simplex Fire Attack System
Columbia’s internal fire attack system utilizes the aircraft’s expansive interior to deliver flexible fire suppression options.

DUAL TANKS
The system includes an internal 2,800-gallon (10,599-liter) capacity tank and a 140-gallon (529-liter) retardant reservoir

QUICK DROPS
Drops full load in 4 seconds

VERSATILE
Can drop a combination of water, retardant, and/or foam
CARGO TRANSPORT

HEAVY LIFT MASTER
The Columbia Model 234 Multi-Mission Chinook supports both internal and external cargo operations, or both simultaneously for specialized missions.

A Internal Cabin Height 6.5 ft / 1.9 m
B Internal Cabin Width 8.3 ft / 2.5 m
C Internal Cabin Length 30.2 ft / 9.19 m

Supports loads up to 6 x 8 x 27 ft / 1.83 x 2.43 x 8.23 m

ROLLERS built into specially engineered panels

INTERNAL CARGO MANAGEMENT SYSTEM
Designed after those found in a large transport airplane, Columbia Model 234 Multi-Mission Chinook’s internal cargo management system allows for fast and efficient use of the aircraft’s large cabin for internal cargo.

Columbia’s exclusively designed 463L Pallet loading floor system features rollers built into specially engineered panels. The system offers minimal rolling resistance when needed and can be easily and safely stowed away when not in use.
EXTERNAL CARGO CAPABILITIES

Columbia Model 234 Multi-Mission Chinook’s external lift capabilities are like no other aircraft built today. From repair, construction, and large vehicle transport to delivering critical emergency supplies in natural disasters, this helicopter delivers with long line precision placement (L2P2).
MEDEVAC
SAVING MORE LIVES
The Columbia Model 234 Multi-Mission Chinook utilizes the Stanchion Litter System for transporting critical patients and their caregivers to safety. The system is fully customizable to specific customer requirements, providing extraordinary flexibility for air evacuation.

ADVANCED LIFE SUPPORT PATIENT LOADING UTILITY SYSTEM (PLUS)
The Model 234 Multi-Mission Chinook also accommodates the LifePort Patient Loading Utility System™ (PLUS), a self-contained unit which includes an advanced life support base unit, manual loading system, and AeroSled™ stretcher.

- Single and tandem patient configurations available
- Leveling leg eliminates lifting of patient inside aircraft
- Single hand release for locking and unlocking sled
- Cargo track to secure medical devices and monitors
- Includes single or dual oxygen cylinder, compressed air, vacuum, and electrical inverter
- 115 or 230 VAC electrical outlets
- Light, compact design
PATIENT EXTRACTION AND MEDEVAC INSERTION

Originally developed for deploying troops from a helicopter in places and situations where it is hard or challenging for the helicopter itself to touch down, the Fast Rope system is also helpful for personnel to be quickly inserted into areas without a landing zone to begin supporting efforts.

REAR AND SIDE LOADING HOISTS

The rear loading hoist allows medical personnel to safely extract patients.

FAST ROPE INSERTION EXTRACTION SYSTEM (FRIES)

Multi-functional in many ways, this Fast Rope system allows medical and search and rescue personnel to be quickly inserted into areas without a landing zone to begin administering care immediately.
READY TO RESPOND

CONTACT US TODAY
Learn how Columbia can configure and customize the ideal multi-mission aircraft for your year-round needs.

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*Performance data may differ dependent on aircraft operational conditions and configuration.