



COLUMBIA MODEL 234 MULTI-MISSION CHINOOK

MULTI-MISSION HEAVY LIFT AUTHORITY

THE WORLD'S LARGEST STANDARD TRANSPORTATION
CATEGORY MULTI-MISSION HEAVY LIFT HELICOPTER

EMERGENCY RESPONSE

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

COMBINATION

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



FIREFIGHTING



MEDEVAC



PASSENGER
TRANSPORT



INTERNAL AND EXTERNAL
CARGO TRANSPORT



POTENTIAL COMBINATIONS

- Passengers & Medevac
- Passengers & Cargo
- Passengers & Firefighting
- Passengers & Extended Range Fuel Tank

POWER

Equipped with two Honeywell AL5512 engines

EFFICIENCY

Large ramp allows cargo and personnel to be loaded efficiently

CARGO

With no tail rotor obstruction, the aircraft accommodates loads as large as 6 x 8 x 27 ft (1.83 x 2.43 x 8.23 m)

VERSATILITY

Reconfigurable between missions quickly

MULTI-MISSION

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 helicopter is a twin turbine engine, tandem rotor,

FAA type certificated standard transport category 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.

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



SPEED

Maximum speed of 150 knots
Cruising speed of 120 knots

RANGE

VARIANT	TIME	DISTANCE
Standard LR	5 hours	550 nautical miles
LR with one ER tank	6 hours	700 nautical miles
LR with two ER tanks	7 hours	850 nautical miles

PAYLOAD

Maximum gross weight of 51,000 lbs (23,133 kgs)



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.

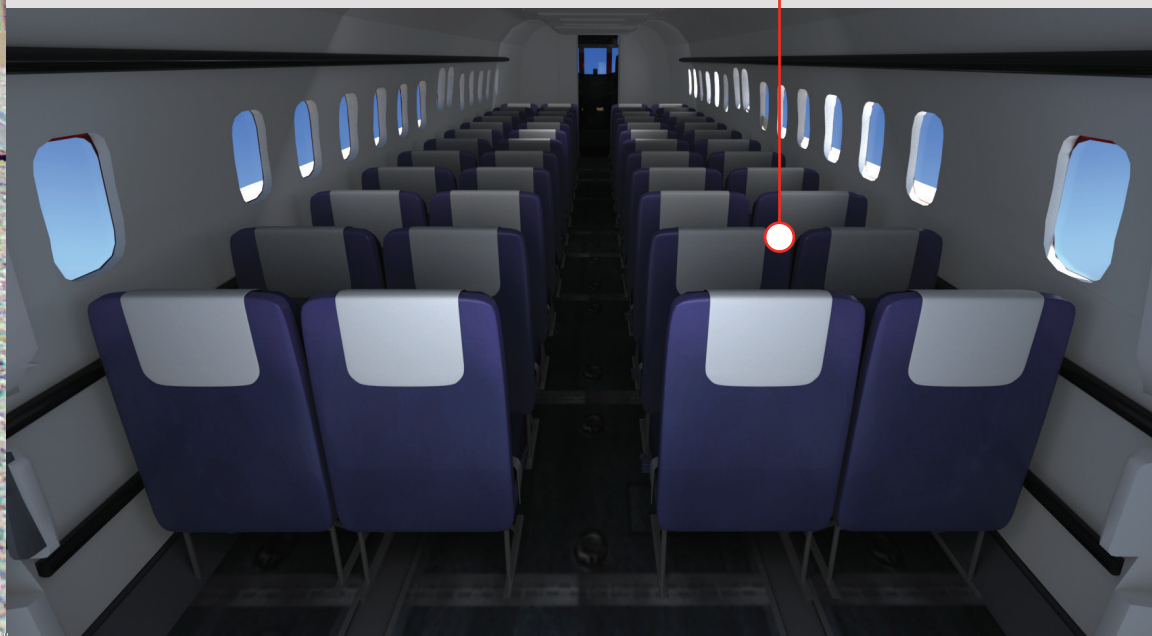


19-SEAT CONFIGURATION

- 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

**8**

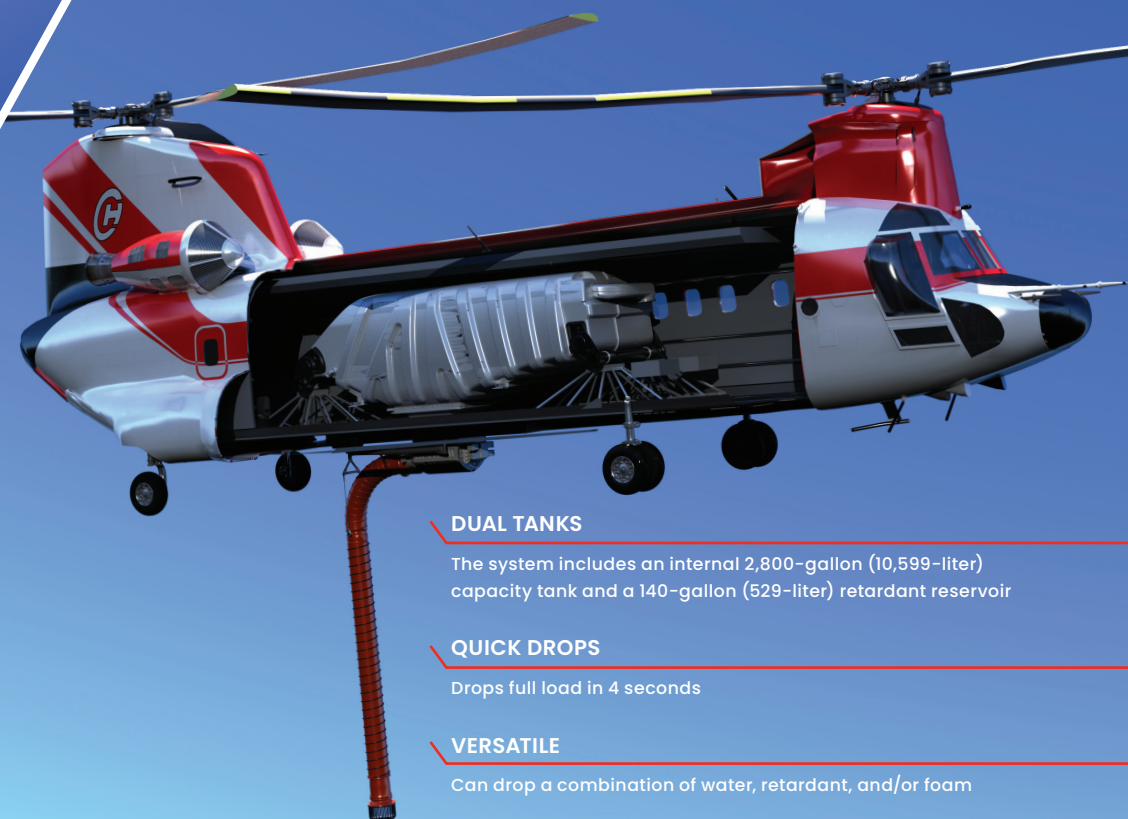
Coverage Drop
Selections

**6**

Water Drop
Settings

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.

**CLEAR SIGHTLINES**

Bubble window for unobstructed precision load placement

REAR LOADING HOIST

Easily bring cargo onto the aircraft and to unload cargo from the air without having to land

CARGO HOOK

Cargo hook can support an external load of up to 25,000 lbs/11,339 kgs

RIGGING OPTIONS

Rigging options allow everything from vehicle slings and supply delivery to specialized precision construction placement

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.

COMPATIBLE

Integrated restraints ensure compatibility with a variety of litter types

VERSATILE

Designed for equipment attachment including IV fluid bags, medical equipment, task lighting, and cargo nets

Optional Over Size Litter (OSL) Adapter and Oxygen Cylinder Mount available

STRONG

Supports evacuee weight of up to 350 lbs

ADJUSTABLE

Platforms vertically adjustable in one-inch increments

TOOL-FREE

Installs tool-free in under 15 minutes

FLEXIBLE

Installs directly to existing seat track, hard points, or cargo rings

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

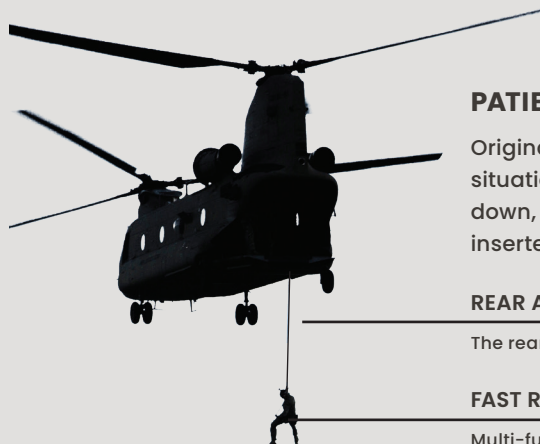
Originally developed for deploying troops from a helicopter in places and situations where it is hard or challenging for the helicopter itself to touch down, the Fast Rope system is also helpful for personnel to be quickly inserted into areas without a landing zone to begin supporting efforts.

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.





 **COLUMBIA
HELICOPTERS**

Dedicated People, *Inspired* Solutions.

READY TO RESPOND

CONTACT US TODAY

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

503.678.1222 | colheli.com

14452 Arndt Rd NE, Aurora, OR 97002
bdmarketing@colheli.com

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