

COLUMBIA MODEL 234 CHINOOK



The Columbia Model 234 Chinook helicopter is a tandem rotor, turbine powered, transport category helicopter originally FAA type certificated by Boeing in 1981. The type certificate was transferred from Boeing to Columbia Helicopters in 2006. This aircraft is the commercial model of the military variant, CH-47 Chinook.

The Columbia Model 234 Chinook has the ability to be configured for multiple uses, which include commercial passenger transportation, internal and external cargo transportation, firefighting operations, defense support operations, heli-logging operations, oil and gas exploration, and infrastructure support.

The Columbia Model 234 Chinook is available in two configurations: Long Range (LR) and Utility (UT).

PERFORMANCE SPECS	LONG RANGE		UTILITY	
	Imperial	Metric	Imperial	Metric
Maximum Gross Weight	51,000 lbs	23,133 kgs	51,000 lbs	23,133 kgs
Maximum External Load	28,000 lbs	12,701 kgs	28,000 lbs	12,701 kgs
Internal Useful Load (20°C OAT, MSL, min fuel)	21,800 lbs	9,888 kgs	24,800 lbs	11,249 kgs
External Useful Load (20°C OAT, MSL, min fuel)	22,533 lbs	10,221 kgs	25,050 lbs	11,362 kgs
Range (Max Fuel)	560 nm	1,037 km	260 nm	482 km
Range (Max Fuel & Aux Tanks)	560 nm	1,037 km	410 nm	759 km
Fuel Capacity	2,000 gal	7,571 liters	1,000 gal	3,785 liters
Fuel Capacity (w/ Aux Tanks)	2,000 gal	7,571 liters	1,500 gal	5,678 liters
Fuel Consumption	400 gal/hr	1,514 liters/hr	400 gal/hr	1,514 liters/hr
Maximum Speed	150 knots	278 km/hr	150 knots	278 km/hr
Cruise Speed	120 knots	222 km/hr	120 knots	222 km/hr
Service Ceiling	15,000 feet	4,572 m	15,000 feet	4,572 m

DIMENSIONS

Rotor Diameter	52 x 84 feet	15.9 x 25.6 m	52 x 84 feet	15.9 x 25.6 m
Length with Rotors Operating	60 x 99 feet	18.3 x 30.2 m	60 x 99 feet	18.3 x 30.2 m
Fuselage Length x Width	52 x 16 feet	16 x 5 m	52 x 16 feet	16 x 5 m
Height	19 feet	6 m	19 feet	6 m
Internal Cabin Length x Width	30.2 x 8.3 feet	9.19 x 2.5 m	30.2 x 8.3 feet	9.19 x 2.5 m
Internal Cabin Height	6.5 feet	1.9 m	6.5 feet	1.9 m
Seating Capacity	19 pax	19 pax		

ENGINES 2 X LYCOMING AL5512

Maximum Power Available	5,950 shp	5,950 shp
Single Engine Limit	4,335 shp	4,335 shp

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The Columbia Model 234 Chinook has a maximum gross weight of 51,000 pounds with an internal cargo capacity of up to 20,000 pounds and ability to carry external loads of up to 28,000 pounds. The maximum range of the Columbia Model 234 Chinook in the LR configuration is 560 nautical miles, and 260 nautical miles in the UT configuration.

The Columbia Model 234 Chinook is equipped with two Lycoming AL5512 engines with a maximum speed of 150 knots, and a cruising speed of 120 knots.



Configurations

Long Range



Utility



PAX

