

COLUMBIA MODEL CH-47D CHINOOK



The Columbia Model CH-47D Chinook helicopter is a tandem rotor, turbine powered restricted category helicopter acquired as surplus from the US Army. Columbia Helicopters received type certification of the CH-47D from the FAA in 2014.

As a restricted category aircraft, the Columbia Model CH-47D Chinook is limited to external load operations in non-populated areas. The Columbia Model CH-47D Chinook has the ability to be configured for external (slung load) cargo transportation, firefighting operations with external water bucket, firefighting operations with internal water tank, and infrastructure support.

The Columbia Model CH-47D Chinook has a maximum gross weight of 50,000 pounds and ability to carry external loads of up to 26,000 pounds. The maximum range of the Columbia Model CH-47D Chinook is 360 nautical miles. The Columbia Model CH-47D Chinook is equipped with two Honeywell T55-GA-714A engines with a maximum speed of 170 knots, and a cruising speed of 130 knots.

PERFORMANCE SPECS

	<i>Imperial</i>	<i>Metric</i>
Maximum Gross Weight	50,000 lbs	22,680 kgs
Maximum External Load	26,000 lbs	11,793 kgs
Internal Useful Load <i>(20°C OAT, MSL, min fuel)</i>	26,300 lbs	11,929 kgs
External Useful Load <i>(20°C OAT, MSL, min fuel)</i>	24,440 lbs	11,085 kgs
Range <i>(Max Fuel)</i>	360 nm	667 km
Range <i>(Max Fuel & Aux Tanks)</i>	556 nm	1,030 km
Fuel Capacity	1,028 gal	3,891 liters
Fuel Capacity <i>(w/ Aux Tanks)</i>	1,528 gal	5,784 liters
Fuel Consumption	329 gal/hr	1,245 liters/hr
Maximum Speed	170 knots	315 km/hr
Cruise Speed	130 knots	241 km/hr
Service Ceiling	19,000 feet	5,791 m

DIMENSIONS

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

ENGINES 2 X HONEYWELL T55-GA-714A

Maximum Power Available	4,867 shp
Single Engine Limit	5,069 shp

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Configuration

Simplex Fire Attack System Internal Water Tank

