

CH-47F Chinook

Description & Purpose:

The CH-47F is an advanced multi-mission helicopter for the U.S. Army and international defense forces. It contains a fully integrated, digital cockpit management system, Common Aviation Architecture Cockpit and advanced cargo-handling capabilities that complement the aircraft's mission performance and handling characteristics.



Customer(s):

CH-47D Chinooks are currently in use by the U.S. Army, U.S. Army Reserve and National Guard and International armed forces. The U.S. Army Modernization Program calls for 525 Chinooks, which includes a combination of 464 New-Build and Renew CH-47F aircraft. The CH-47F Chinook helicopter has been certified combat-ready by the U.S. Army and fielded to the first operational unit in July 2007.

General Characteristics:

- Length: Fuselage – 52.0 ft. (15.9 m) Incl. Rotors – 99.0 ft. (30.18 m)
- Width: 12.42 ft (3.78 m)
- Rotor Diameter: 60 ft. (18.29 m)
- Height: 18.92 ft. (5.77 m)
- Propulsion: 2 Honeywell T55-GA-714A engines, 4,777 shp (3,529 kW) each
- Maximum Speed: 170 kt (315 km/h)
- Fuel: 1,034 gal. (3,914 L)
- Service Ceiling: 20,000 feet
- Useful Load: 24,000 lbs. (10, 886 kg)
- Mission Radius: 200 nm (370.4 km)
- Max Gross Weight: 50,000 lbs. (22,680 kg)
- Mission: Transport of troops, artillery, ammunition, fuel, supplies, water in support of combat operations, and civil and humanitarian relief
- Service Customer: U.S. Army, in service since 1962.

Background:

The Boeing Chinook is a tandem rotor, medium-lift helicopter that meets tactical and combat support mission requirements for military forces around the world. The Chinook is the world's most reliable and efficient transport helicopter, capable of handling useful loads up to 24,000 lbs. and a maximum gross weight of up to 50,000 lbs. (22,668 kg). Its tandem rotor configuration also provides exceptional handling qualities that enable the

CH-47 to operate in climatic, altitude and crosswind conditions that typically keep other helicopters from flying.

The Chinook has been in U.S. Army service since 1962. In addition, Chinooks served the armed forces of 19 international customers around the world.