# 747 400 fmc user guide

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Boeing 747-400 Technical Overview and Key Information\*\*

## ICAO Code for Boeing 747-400F

• B744F

### **Technical Data of Boeing 747-400**

• **Length:** 231.9 ft (70.72 m)

• Wingspan: 211.5 ft (64.44 m)

• **Height:** 63.1 ft (19.23 m)

• Maximum Takeoff Weight: 910,000 lb (412,773 kg)

• Passenger Capacity: Up to 524

• **Range:** Up to 8,230 nautical miles (15,240 km)

• Cruising Speed: Mach 0.85 (565 mph, 909 km/h)

#### Does 747 Have Fly-by-Wire?

• No, the Boeing 747-400 does not have a fly-by-wire system.

#### Difference Between 747-400 and 747-8

- The 747-8 is a newer and more efficient version of the 747-400, featuring:
  - Redesigned wings with raked wingtips
  - More fuel-efficient engines
  - Improved avionics and flight control systems

### Payload of a 747-400F

• Up to 124.5 tons (113,030 kg)

## Popularity of Boeing 747-400

- The 747-400 gained popularity due to:
  - Spacious passenger cabin
  - Long range and payload capacity
  - o Cost-effectiveness for long-haul flights

### Flight Hours of Boeing 747-400

Approximately 15,000 hours

#### Takeoff Speed of 747-400

• Around 165 knots (190 mph, 306 km/h)

#### Reasons for Decline in 747 Use

- Technological advancements in engine efficiency
- Rise of twin-engine aircraft (e.g., Boeing 777, Airbus A350)

#### Number of Wires in 747

• Over 1 million miles of wires

## VFR Capability of 747

• Yes, it can fly under Visual Flight Rules (VFR), but this is not common.

#### ICAO Codes for Other Aircraft

• Boeing 737-400: B734

Hawker 400: H400

Boeing 747-400: B744

• General air code for 747: 747

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