

What is Airbus A400M?

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About Airbus A400M:

- It is a **European-built military transport aircraft**.
- The aircraft is **manufactured by Airbus Defence and Space**, a division of the European aerospace and defence firm Airbus.
- It combines the capability to **carry strategic loads with the ability to deliver even into tactical locations** with small and **unprepared airstrips**.
- It can **carry large cargo, vehicles, troops, and paratroopers** or be configured for **medical evacuation (MEDEVAC) missions**.
- **Features:**
 - A powerful **turboprop engine** that gives the A400M the **ability to operate from short, unimproved airfields**.
 - **Maximum takeoff weight: 141 metric tons** (309,000 pounds)
 - **Maximum payload: 37 metric tons** (41 short tons).
 - It can **carry up to 116 fully equipped troops** or 66 **stretchers and 25 medical attendants**. The cargo hold can take **nine standard military pallets**.
 - **Range: 8,900 kilometers** (5,530 miles)

- **Speed: 780 kilometers per hour** (485 miles per hour)
- The aircraft is equipped with **in-flight refuelling capabilities**.
- The aircraft's independent navigation system comprises an **inertial reference system (IRS) integrated with a global positioning system (GPS)**.
- It features **an advanced glass cockpit with modern avionics** and control systems.

What is a turboprop aircraft?

- A turboprop aircraft uses a **turbo-prop engine rather than a piston-powered engine** or a jet engine.
- They **have one or more gas-turbine engines connected to a gearbox that turns the propeller(s) to move the aircraft on the ground and through the air**.
- Turboprop aircraft **have lower operating costs** than jets because **they burn less fuel**, but they are **also slower than jets**.

Q1) What is a C295 Transport Aircraft?

It is a new-generation tactical airlifter in the light and medium segment that will replace the aging Avro aircraft of the Indian Air Force. It was designed and built by Airbus, a European multinational aerospace corporation. It is robust and reliable but also highly versatile in terms of the number of different missions it can perform.

Source: [Airbus pitches A-400M transport aircraft for IAF's Medium Transport Aircraft contest](#)

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