



# Embraer Phenom 300 September/October 2010 Delivery

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## Background

### 12/14/2009 - Phenom 300 achieves certification!

"The Phenom 300's maximum range, originally designed to be 1,800 nautical miles (3,334 kilometers), has been extended to 1,971 nautical miles (3,650 kilometers) with six occupants and NBAA IFR reserves. Runway performance also significantly improved over the initial targets. Takeoff field length, at maximum takeoff weight (MTOW), is now 3,138 feet, considerably better than the original 3,700 feet, while landing distance at maximum landing weight (MLW) improved to 2,621 feet, or 329 feet shorter than the targeted 2,950 feet.

"For flights into and out of airports with restrictions due to high temperatures or high elevations, the Phenom 300 exceeded the range targets, resulting, for example, on a range of more than 2000 nm from Aspen, Colorado, U.S. Climb performance also surpassed expectations, allowing the aircraft to depart from sea level at MTOW and reach its operational ceiling of 45,000 feet in only 26 minutes. Powered by two fuelefficient Pratt & Whitney Canada PW535-E engines, the Phenom 300's fuel consumption is as much as 6% better than originally estimated.

"The jet's top speed of 453 knots (True Air Speed – TAS) was validated during the flight test campaign. Certified without restrictions, the Phenom 300 is able to fly according to Visual and Instrument Flight Rules, day or night, and into known or forecasted icing conditions. The aircraft also operates well within Stage IV external noise requirements, having been certified with a cumulative margin of 24 EPNdB."

This is a new aircraft, EASA configuration, with a September or October 2010 delivery. Paint and interior selection is due within the next month.

## Available Options

- EASA configuration already includes:
  - DME
  - Radio Altimeter
  - Weather Radar
  - Flight Data Recorder
  - TCAS II
  - TAWS-A
  - Enhanced Mode S Transponder w/ Diversity
  - B/P-RNAV
  - Cockpit Sun Visors and Sun Shades
  - Cockpit Sheepskin Seats
  - In-Flight Entertainment Package
    - Two different packages to choose from
  - Additional IFE monitors (add up to 5)
  - Satellite Phone Provision
  - Lavatory Sink
  - Hot Jug in galley
- Avionics
  - ADF
  - Second Transponder (Enhanced Mode S w/ Diversity)
  - HF SELCAL
  - Jeppesen ChartView or Garmin FliteCharts
  - Electronic Checklist
  - Ice Detector
- Interior
  - Seven-seat configuration
  - Cockpit Flood Lights
- Exterior
  - Premium Passenger Door
  - Baggage Compartment Heat
- Safety Equipment
  - Life vests for eight adults
  - Smoke goggles
  - Crew Portable Breathing Equipment (PBEs)
  - 77 Cubic Foot Oxygen Bottle (required for AOC or Part 135 operation)

Stock Photos



