

SOLJETS



# 2013 Embraer Phenom 100

SN 50000313 | N506B

Passenger: 6

Mach: 0.7

Range (NM): 1,178

## Overview

### ★ Aircraft Highlights

- Side Facing Seat and Belted Lav
- Recent Paint and Interior
- Enrolled on ESP Gold and EEC Standard

**Airframe** Total Hours: 3,392 Total Landings: 3,409

Program Coverage: EEC Standard

**Engines** Pratt & Whitney PW617F-E

Engine 1: PCE-LC0594 Total Hours: 3,392 Cycles: 3,403

Engine 2: PCE-LC0576 Total Hours: 3,370 Cycles: 3,382

Program Coverage: ESP Gold

### Interior

- 2024 Interior Refurbishment.
- Six (6) Passenger Seating in Beige Leather with Quilted Seat Inserts including Forward Side Facing Seat and Belted Lav.

### Exterior

- 2024 Repaint.
- Overall Pitch Black and Granite Gray with Matterhorn White Pearl and Toreador Red Stripes.

### Maintenance

- 10 Year and Landing Gear Inspection Completed in 2023
- Traxxall Maintenance Tracking

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## Avionics

- Dual Garmin GDC 74B Air Data Computer
- Garmin GRS 77
- Dual Garmin GMA 1347D
- L3 Communications FA2100
- Triple Garmin GDU 1240A Display Unites
- Kannad 406 AF ELT
- Single Garmin GCU 475 FMS / MFD Controller
- Dual Garmin GPS with WAAS
- Single Garmin GMC 715 Guidance Panel
- Dual Sensor System VOR/LOC
- Single TCAS I Garmin GTS 850 Traffic Processor Unit
- Dual Garmin GTX33 Transponders with ADS-B Out
- Garmin GWX 68 Weather Radar with 12" Antenna
- Garmin GDL69A Satellite Weather and Radio Receiver
- SVS (Synthetic Vision System)

## Features/Options

- Forward Side Facing Seat
- Belted Lav
- ADS-B Out
- Electronic Jeppesen Checklists
- Enhanced Takeoff
- Rigid Lav Door
- Sun Shade and Sun Visor
- Cockpit Flood Lights
- Cockpit Sheepskin Cover

## Maximum Cruise Speed

(35,00 ft, Mid cruise weight)	390 ktas	722 km/hr
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## Airspeed Limits

Vmo from Sea Level to 8,000 ft	275 kias	509 km/hr
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MLW, Landing configuration	91 kcas	168 km/hr
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## Rates of Climb

All engines	2,005 ft/min	611 m/min
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Single engine	521 ft/min	158 m/min
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## Ceiling

Maximum Certified	41,000 ft	12,500 m
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## Pressurization

Nominal pressure differential	8.3 psi	.58 bar
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## NBAA IFR Range

(100nm Alternative)

Full fuel, MTOW, and Max Cruise	1,178 nm	2,182 km
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## Airport Performance (Dry, Level, Hard, Zero, Wind)

Takeoff distance (SL, ISA, MTOW)	3,125 ft	953 m
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Landing distance (SL, ISA, MTOW)	2,636 ft	803 m
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## Outside Dimensions

Overall Length	42 ft 1 in	12.80 m
Overall Height	14 ft 3 in	4.40 m
Wingspan	40 ft 4 in	12.30 m

## Cabin Dimensions

Length (excluding cockpit)	132 in	3.35 m
Height	59 in	1.50 m
Width	61 in	1.55 m

## Engines

Two (2) Pratt & Whitney PW617F-E

Takeoff Thrust	1,695 lb	7.54 kN
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## Design Weights & Capacities

Max Ramp Weight	10,516 lb	4,770 kg
Max Takeoff Weight	10,472 lb	4,750 kg
Max Landing Weight	9,766 lb	4,430 kg
Max Zero Fuel Weight	8,444 lb	3,830 kg
Max Fuel Capacity (6.7 / gal)	2,806 lb	1,272 kg
Typical Empty Weight*	6,983 lb	3,167 kg
Useful Load**	3,488 lb	1,582 kg
Payload with Full Fuel	650 lb	295 kg

\*Reflects standard aircraft with typical options and unusable fuel / oil


\*\*Amount of payload and fuel that can be carried based on ramp weight

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