

# 2010 Embraer Phenom 100

SN 50000171  
N888TE



# SOLJETS



Passenger  
4



Mach  
0.7



Range (NM)  
1,178

**AIRCRAFT LISTING DETAILS:**

Total Hours: 4307

**ENGINES:** Pratt & Whitney PW617F-E

	<u>Left</u>	<u>Right</u>
Serial Number:	PCE-LC0340	PCE-LC0315
Total Hours:	4272	4294
Engine Cycles:	3557	3576
TBO:	3500	3500

**AIRCRAFT HIGHLIGHTS:**

- NXi Upgraded Avionics
- CAMP
- Enrolled on ESP Gold and EEC Standard

**MAINTENANCE:**

- 120 Month Inspection Completed September 2020

**AVIONICS:**

- Garmin G1000 “Prodigy” Avionics Suite with NXi Upgrade
- Three 12.4 Inch Active Matrix Liquid Crystal displays
- Dual AHRS
- Dual Air Data Computer
- Integrated Standby and Magnetic Compass
- 3 Axis Autopilot/ Dual Flight Director
- Dual Integrated VHF Communication
- FMS
- Dual GPS
- XM Satellite Weather and Radio Datalink
- EICAS
- Airborne Audio System and Aural Warning
- Dual Audio Control
- Central Maintenance Computer
- Cockpit Voice and Data Recorder
- Mode-S Transponder
- TAWS- B Terrain Awareness Warning System
- ELT with Nav Interface
- Dual RVSM Digital Air Data Computers
- Dual Radio Modules with Dual Digital Audio Control Systems



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**FEATURES / OPTIONS:**

- KN-63 DME
- Garmin GTS-850 TCAS I
- Second Mode S Transponder
- Garmin GWX-75 Digital Weather Radar
- Synthetic Vision
- WAAS/LPV
- ADS-B Out
- Premium Passenger Door
- Sun Visor/Sun Shade
- Rigid Lav Door
- L3 Avance WiFi System

**INTERIOR:**

- 2022 Interior Completed by AeroStar Aviation. Custom Four (4) Passenger Interior Completed in Black and White Quilted Leather with Carbon Fiber Accents.

**EXTERIOR:**

- Pure White Base Accented with Copper and Blue Striping.



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**MAXIMUM CRUISE SPEED**

(35,000 ft / 10,668 m, mid cruise weight) 390 ktas 722 km/hr

**NBAA IFR RANGE (100 nm Alternate)**

Full fuel, MTOW, and Max Cruise 1,178 nm 2,182 km

**AIRPORT PERFORMANCE (Dry, Level, Hard, Zero Wind)**

Takeoff distance (SL, ISA, MTOW) 3,125 ft 953 m

Landing distance (SL, ISA, MTOW) 2,636 ft 953 m

**CEILING**

Maximum certified 41,000 ft 12,500 m

**RATES OF CLIMB**

All engines 2,005 ft/min 611 m/min

Single engine 521 ft/mi 158 m/m

**AIRSPPEED LIMITS**

Vmo 275 kias 509 km/hr

**APPROACH SPEED**

Landing configuration (Vfe) 91 kcas 168 km/hr

**PRESSURIZATION**

Nominal pressure differential 8.3 psi .58 bar



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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 &amp; Whitney PW617F1-E

Takeoff thrust	1,730 lb	7.54 kN
Bypass ration	258.1	

**DESIGN WEIGHTS AND 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 lb / 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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