

# 2009 Embraer Phenom 100

SN 50000116  
N100NV



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Passenger  
4



Mach  
0.7



Range (NM)  
1,178

**AIRCRAFT LISTING DETAILS:**

Total Hours: 4522

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

	<u>Left</u>	<u>Right</u>
Serial Number:	PCE-LC0227	PCE-LC0228
Total Hours:	4149	4149
Engine Cycles:	3846	3846
TBO:	3500	3500

**AIRCRAFT HIGHLIGHTS:**

- 2022 Interior Refresh
- CAMP
- Enrolled on JSSI Essential LLC ProRata (Exhibit C Available)

**MAINTENANCE:**

- 120 Month Inspection Completed February 2020

**STANDARD AVIONICS:**

- Garmin G1000 “Prodigy” Avionics Suite
- 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:**

- Hobbs Meter
- Second Mode S Transponder
- Garmin GWX 68 Weather Radar
- Jeppesen Chartview Electronic Charts
- TCAS I
- Cockpit Flood Lights
- Sunshade and Sunvisor
- Life Vests
- Crew Portable Breathing Equipment
- Smoke Goggles
- Premium Passenger Door

**INTERIOR:**

- 2022 Interior Refresh. Custom Four (4) Passenger Interior Completed in Black Quilted and Cognac Leather.

**EXTERIOR:**

- Pure White Base Accented with Gold and Black 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

**AIRSPEED 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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The Soljets logo features the word "SOLJETS" in a white, sans-serif font. The letter "J" has a small hat symbol (^) above it. The text is enclosed within a white, stylized outline that resembles the wings of a jet aircraft, with a curved bottom edge.

**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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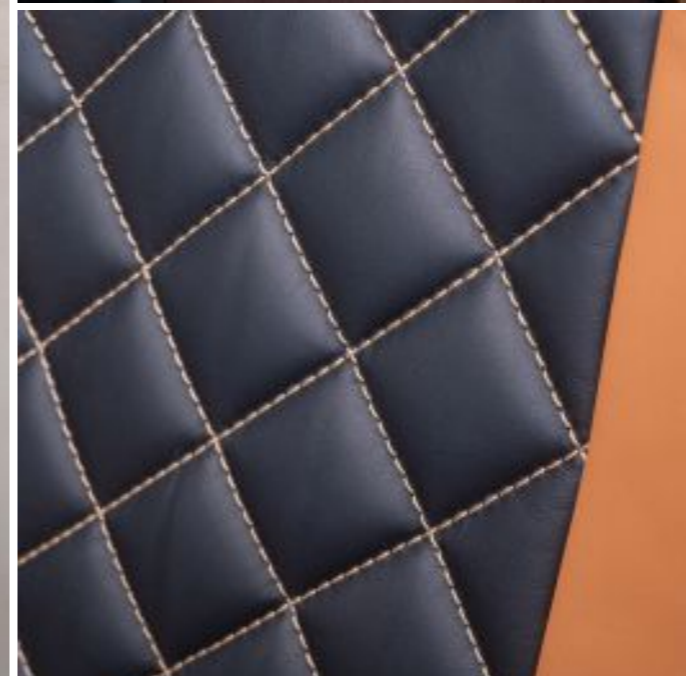
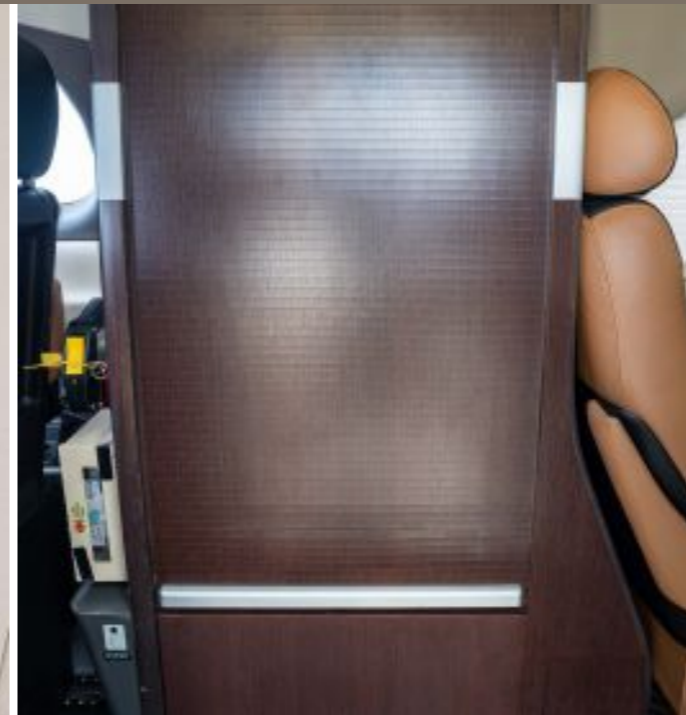
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