

# SOLJETS



2010 Embraer Phenom 100

SN 50000154 | N21SB



Passenger

4



Mach

0.7



Range (NM)

1,178

## AIRFRAME

Program Coverage: EEC Prime Parts

Total Hours: 3,096

Total Landings: 2,374

## ENGINES - Pratt & Whitney PW617F-E

Program Coverage: JSSI Essential LLC

	Left	Right
Serial Number:	PCE-LC0310	PCE-LC0311
Total Hours:	3,096	3,096
Total Cycles:	2,374	2,374

## MAINTENANCE

- 120 Month Inspection Completed August 2020
- CAMP Maintenance Tracking

## AIRCRAFT HIGHLIGHTS

- 2023 Interior Refurbishment
- TCAS I and Synthetic Vision
- Enrolled on JSSI Essential LLC and EEC Prime Parts

## INTERIOR

- 2023 Interior Refurbishment Completed by Eagle Aviation. Four (4) Passenger Seating Completed in Gray Leather with Dark Wood Left and Right Hand Executive Tables.

## EXTERIOR

- Overall White with Black and Gray Accents.

CONTACT

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## AVIONICS

- Garmin G1000 Prodigy Avionics Suite
- Three 12.4 inch Liquid Crystal Displays
- Garmin GFC 700 Autopilot
- Integrated Electronic Standby Instrument
- Dual Garmin Audio Panels
- Dual Attitude Heading Reference Systems
- Dual RVSM Compliant Air Data Computers
- Engine Indication & Crew Alerting System
- Central Maintenance Computer
- Class B Terrain Awareness & Warning System
- Satellite Weather Datalink
- XM Satellite Radio
- Garmin TCAS I
- Enhanced Takeoff Package
- Garmin GWX 68 Weather Radar
- Dual Garmin GTX Transponders
- ADS-B Out
- Synthetic Vision
- King KN 63 DME
- Stormscope

## FEATURES / OPTIONS

- Cockpit Seat Sheepskin Covers
- Life Vests
- Cockpit Flood Lights
- Sunshade and Sun Visors
- Premium Passenger Door
- Rigid Lavatory Door

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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 803 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

MLW, Landing configuration

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 & Whitney PW617F1-E

Takeoff thrust	1,730 lb	7.54 kN
Bypass Ratio	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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