

# SOLJETS



2010 Embraer Phenom 100

SN 50000129 | N43EP



Passenger

5



Mach

0.7



Range (NM)

1,178

## AIRFRAME

Program Coverage: EEC Standard

Total Hours: 2,335

Total Landings: 2,146

## ENGINES - Pratt & Whitney PW617F-E

Program Coverage: ESP Platinum

	Left	Right
Serial Number:	PCE-LC0277	PCE-LC0288
Total Hours:	2,335	2,335
Total Cycles:	2,146	2,146

## MAINTENANCE

- CAMP Maintenance Tracking
- 48M Inspection Completed April 2024 by ProStar Aviation Manchester, NH
- 120M Inspection Completed May 2020 by Embraer Bradley, CT
- Engine Hot Section Inspection Completed December 2019
- Engine Low Utilization Inspection (LUI) Completed April 2024

## AIRCRAFT HIGHLIGHTS

- One Owner Since New and Always Hangared
- Belted Lavatory
- NXi Upgrade with FlightStream 510
- Enrolled on ESP Platinum and EEC Standard

## INTERIOR

- 2020 Partial Interior Refurbishment Including New Cockpit Flooring, Cabin Carpet, Seatbelt Re-webbing, Seat Refurbishment and Powder Coated Isle Rail.
- Five (5) Passenger Seating Including Four (4) Place Club Seating and Belted Lavatory All Completed in Light Beige Leather with Wood Left and Right Hand Executive Tables and Grey Carpet.

## EXTERIOR

- Ceramic Coated Matterhorn White Base with Smoke Grey and Navy Accent Stripes.

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## AVIONICS

- Garmin G1000 Prodigy Avionics Suite with NXi Upgrade
- Three (3) NXi Upgraded 12 Inch Active Matrix Liquid Crystal Displays
- Integrated Standby and Magnetic Compass
- Single Garmin GFC 700 Autopilot
- Dual Garmin Audio Control Panels
- Engine Indication & Crew Alerting System
- Airborne Audio System and Aural Warning
- Central Maintenance Computer
- Cockpit Voice and Data Recorder
- Package 1 DME (Distance Measuring Equipment) + 2nd Transponder (Mode S with Diversity)
- Dual Transponders (GTX 345DR & GTX33ES) with ADSB - Out. (ADSB-In available on Transponder #2)
- Garmin GWX 68 Weather Radar
- ELT with NAV Interface
- FlightStream 510
- Synthetic Vision
- XM Weather and Entertainment (GDL69A) (subscription required)
- Garmin TCAS 1 (GTS 850)
- Electronic Jeppesen Charts (subscription required)
- Electronic Checklist
- SATPhone Port

## FEATURES / OPTIONS

- Airstair Entry
- Cockpit Seats Sheepskin Covers
- Cockpit Flood Lights
- Belted Lavatory
- Lavatory Rigid Door
- WAT Hi-Intensity Landing Lights
- Premium Pax Door
- Smoke Goggles
- Cockpit Cupholders

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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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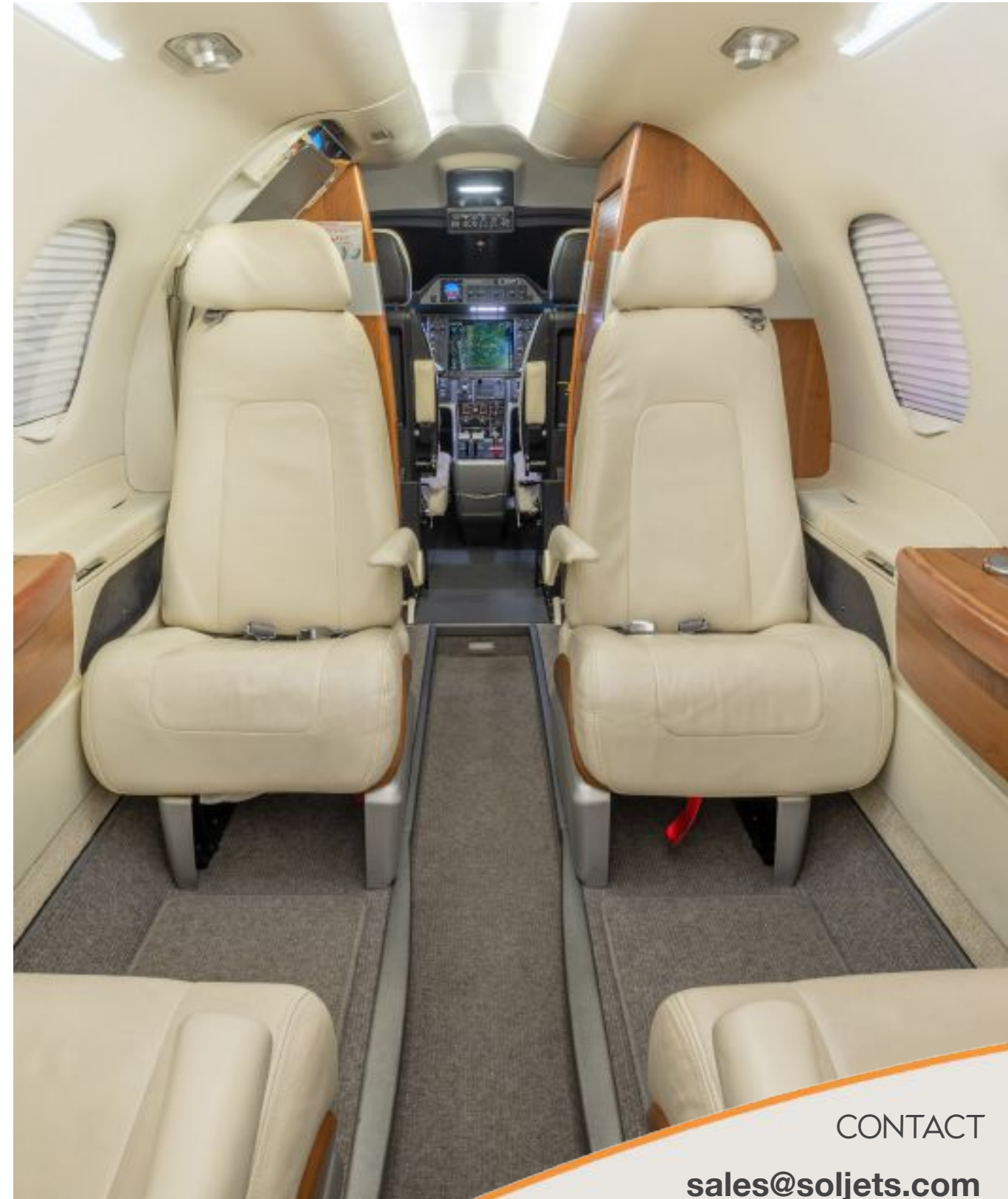


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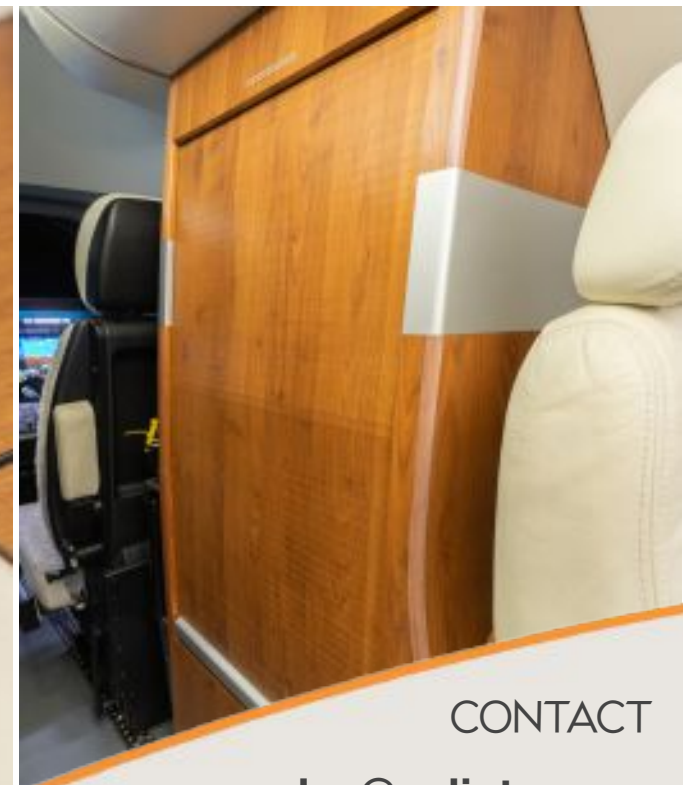


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