

# SOLJETS



2017 Embraer Phenom 100EV

SN 50000382 | N252AM



Passenger

6



Mach

0.7



Range (NM)

1,178

## AIRFRAME

Program Coverage: EEC Standard

Total Hours: 1,274

Total Landings: 1,285

## ENGINES - Pratt & Whitney PW617F1-E

Program Coverage: JSSI Essential LLC

	Left	Right
Serial Number:	PCE-LD0006	PCE-LD0005
Total Hours:	1,274	1,274
Engine Cycles:	1,285	1,285

## MAINTENANCE

- 12 Month Inspection Completed July 2024

## AIRCRAFT HIGHLIGHTS

- Full Provisions for CPDLC
- MZFW Increase
- CAMP
- Enrolled on JSSI Essential LLC and EEC Standard

## INTERIOR

- Executive Six (6) Passenger Interior Including Optional 5th Seat and Belted Lavatory All Completed in Tan Leather Accented with Dark High Gloss Woodwork and Dual Mid-Cabin Writing Tables.

## EXTERIOR

- Grey Pearl over Flag Blue with Cascata Grey Accents.

CONTACT

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## AVIONICS

- Prodigy Touch G3000 Avionics System
- Three 14" Active Matrix LCD Displays
- Dual 5.7" Infrared Touch Screen Controllers
- Dual Mode S Transponders w/ Diversity & DME
- GFC-700 Autopilot with GMC-710 AP Controller
- TCAS-I Traffic Alerting and Collision Avoidance
- TAWS-B Terrain Awareness and Alerting System
- Synthetic Vision System
- Chartview
- VHF Communication (COM)
- Dual Audio Panels
- VOR/ILS Navigation (NAV)
- Satellite based Navigation (WAAS GPS)
- FMS w/ RNP and VNAV
- Emergency Locator Transmitter
- Cockpit Voice and Data Recorder (CVDR)
- Jeppesen Electronic Charts
- XM Weather and Radio Receiver

## FEATURES / OPTIONS

- ADS-B Out
- Max Zero Fuel Weight Increase
- Full Provisions for CPDLC
- Lavatory Rigid Door
- In-Flight Entertainment Package
- Sunshade and Sun Visor
- Cockpit Flood Lights
- Premium Passenger Door
- Cockpit Seat Sheepskin Covers
- Dual zone climate control
- 110v AC Outlets
- LED Lighting Throughout
- Belted Lav
- Forward Side Facing Seat

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## MAXIMUM CRUISE SPEED

(35,000 ft / 10,668 m, mid cruise weight)

406 ktas    752 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)

3,190 ft    972 m

Landing distance (SL, ISA, MTOW)

2,430 ft    741 m

## CEILING

Maximum certified

41,000 ft    12,500 m

## RATES OF CLIMB

All engines

2,005 ft/min    611 m/min

Single engine

621 ft/mi    189 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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## 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

## DESIGN WEIGHTS AND CAPACITIES

Max ramp weight	10,747 lb	4,875 kg
Max takeoff weight	10,703 lb	4,855 kg
Max landing weight	9,998 lb	4,535 kg
Max zero fuel weight	9,072 lb	4,115 kg
Max fuel capacity (6.7 lb / gal)	2,804 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	545 lb	293 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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