

SOLJETS



2015 Embraer Phenom 100E

SN 50000352 | N348N



Passenger

6



Mach

0.7



Range (NM)

1,178

AIRFRAME

Program Coverage: EEC Standard

Total Hours: 2,411

Total Landings: 2,021

ENGINES - Pratt & Whitney PW617F-E

Program Coverage: ESP Gold

	Left	Right
Serial Number:	PCE-0668	PCE-0669
Total Hours:	2,411	2,411
Total Cycles:	2,021	2,021

MAINTENANCE

- Delivered with Fresh 120 Month Inspection and New Landing Gear
- CAMP Maintenance Tracking

AIRCRAFT HIGHLIGHTS

- CPDLC Provisions
- TCAS I
- 5th Seat and Belted Lav
- Enrolled on ESP Gold and EEC Standard

INTERIOR

- Six (6) Passenger Dark Beige Leather Seating including 5th Seat and Belted Lav, Rich Dark Woodwork, and Dual Mid-Cabin Executive Writing Tables.

EXTERIOR

- Pearl White with Catalina Blue and Marte Grey Accent Stripes.

CONTACT

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AVIONICS

- Garmin G-1000 “Prodigy” Avionics Suite
- Triple 12” Garmin Displays
- Garmin GFC-700 AFCS (Automatic Flight Control System)
- Dual AHRS (Attitude Heading and Reference System)
- Dual RVSM Compliant Digital Air Data Computers
- Dual Radio Modules
- Dual Digital Auto Control Systems
- EICAS (Engine Indication and Crew Alerting System) with
- Centralized Maintenance & Computer like Functionality
- Class-B TAWS (Terrain Awareness and Warning System)
- Garmin GTX-33D Mode S Transponder with Diversity

FEATURES / OPTIONS

- Multi-Function Wing Spoilers
- Hydraulic Brake Accumulator
- Upgraded Brake-By-Wire Software
- Synthetic Vision (SVS)
- Enhanced Takeoff Package

FEATURES / OPTIONS

- Upgraded Interior Finishes
- Weather Radar
- 2nd Transponder Mode S w/ Diversity & DME
- ADF - Automatic Direction Finder
- ELT/NAV - Emergency Locator Transmitter w/ Positioning Report
- TCAS I - Traffic Alert and Collision Avoidance System I
- Full Provision for CPDLC
- In-Flight Phone and Datalink System
- In-Flight Entertainment Package
- Sunshade and Sun Visor
- Cockpit Flood Lights
- Cockpit Seat Sheepskin Cover
- Premium Passenger Door
- Premium Seat
- Side-Facing 5th Seat
- Belted Lav
- Stowage Compartment
- Lavatory Rigid Door
- Life Vests (8 Units)
- Crew Portable Breathing Equipment (PBE)
- Smoke Goggles

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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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