

# 2016 Embraer Phenom 100E

SN 50000369  
N16SJ



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Passenger  
5



Mach  
0.7



Range (NM)  
1,178

**AIRCRAFT LISTING DETAILS:**

Total Hours: 1536

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

	<u>Left</u>	<u>Right</u>
Serial Number:	PCE-LC0703	PCE-LCE0704
Total Hours:	1536	1413
Engine Cycles:	907	834
TBO:	3500	3500

**AIRCRAFT HIGHLIGHTS:**

- CAMP Maintenance Tracking
- Enrolled on ESP Gold and EEC Standard

**MAINTENANCE:**

- 60 Month Inspection Completed August 2021

**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
- 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:**

- Optional 5th Seat
- ADS-B
- TCAS I

**INTERIOR:**

- Five (5) Passenger Pearl Interior Featuring a Center Club and Forward Side Facing Seat All Completed in Dark Grey Leather. The Interior is Accented with Dark Woodwork, Dual Mid-Cabin Executive Writing Tables, and Matte Stainless Steel Hardware and Accents.

**EXTERIOR:**

- Custom Paint Scheme.



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MAXIMUM CRUISE SPEED

(35,000 ft / 10,668 m, mid cruise weight)	390 ktas	722 km/hr
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NBAA IFR RANGE (100 nm Alternate)

Full fuel, MTOW, and Max Cruise	1,178 nm	2,182 km
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AIRPORT PERFORMANCE (Dry, Level, Hard, Zero Wind)

Takeoff distance (SL, ISA, MTOW)	3,125 ft	953 m
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Landing distance (SL, ISA, MTOW)	2,636 ft	953 m
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CEILING

Maximum certified	41,000 ft	12,500 m
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RATES OF CLIMB

All engines	2,005 ft/min	611 m/min
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Single engine	521 ft/mi	158 m/m
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AIRSPEED LIMITS

Vmo	275 kias	509 km/hr
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APPROACH SPEED

Landing configuration (Vfe)	91 kcas	168 km/hr
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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 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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