

## 2014 EMBRAER PHENOM 100E | SN 50000334



MACH  
**0.70**



OCCUPANTS  
**6**



RANGE (NM)  
**1,178**

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### AIRCRAFT LISTING DETAILS:

Total Hours: 700

### ENGINES: Pratt & Whitney PW617F-E

	Left	Right
Total Hours:	700	700
Engine Cycles:	650	650

### AIRCRAFT HIGHLIGHTS:

- Delivered with ADS-B Out
- TCAS I
- Synthetic Vision
- 5th Seat and Belted Lav
- **Enrolled In ESP Gold & EEC Standard**

### 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
- TAWS- B Terrain Awareness Warning System
- Dual RVSM Digital Air Data Computers
- Dual Radio Modules with Dual Digital Audio Control Systems

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### FEATURES / OPTIONS:

- Delivered with ADS-B Out
- Weather Radar
- ELT/NAV - Emergency Locator Transmitter with Positioning Report
- Electronic Checklist
- Synthetic Vision
- Jeppsen Charts
- TCAS I
- Belted Lav
- 5th Seat
- Rigid Lav Door
- Sunshade/Sun Visor
- Cockpit Flood Lights
- Premium Passenger Door
- Crew Portable Breathing Equipment
- Smoke Goggles
- MZFW Increase

### INTERIOR

Four (4) Passenger Center Club and Optional Forward Fifth (5th) Seat Completed in Cream Leather with Belted Lavatory, Dark Woodwork, Dual Mid-Cabin Writing Tables, Matte Stainless Steel Hardware.

### EXTERIOR

Pure White Base with Black, Copper, and Grey Detailing.



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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

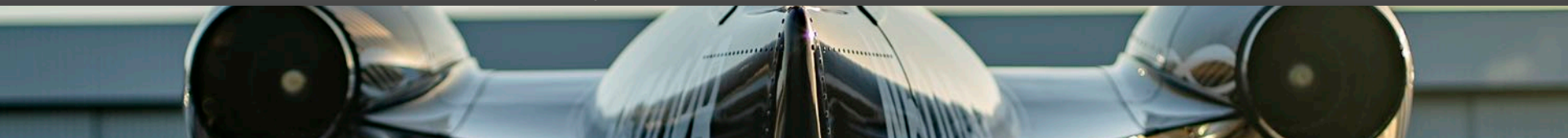
### APPROACH SPEED

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 PW617F-E

Takeoff thrust	1,695 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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4 ft 11 in  
(1.50 m)





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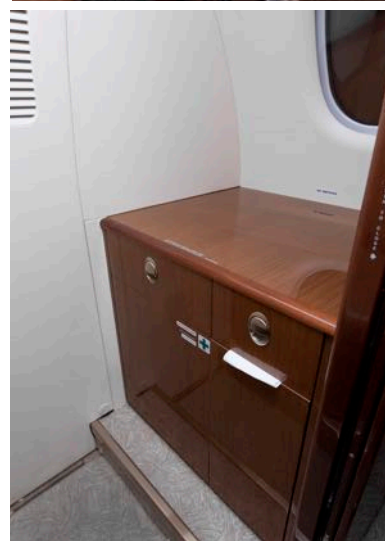




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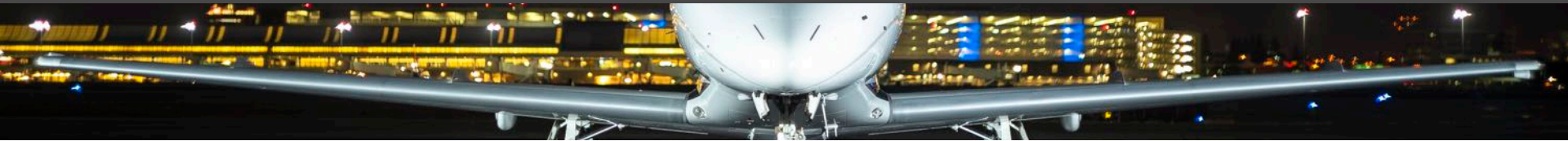






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