

2018 EMBRAER PHENOM 100EV | SN 50000397



MACH
0.7



PASSENGERS
6



RANGE (NM)
1,178

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AIRCRAFT LISTING DETAILS:

Total Hours: 390

ENGINES: Pratt & Whitney PW617F1-E

	Left	Right
Total Hours:	390	390
Total Landings:	299	299

AIRCRAFT HIGHLIGHTS:

- ADS-B Out
- 5th Seat and Belted Lav

STANDARD AVIONICS:

- Embraer Prodigy Flight Deck Based on Garmin's G3000 Avionics System
- Three 14 inches Active Matrix Liquid Crystal Displays (AMLCD) and Two 5.7 inches
- Infrared Touch Screen Controllers for data input Integrated Electronic Standby Instrument (IESI)
- Crew Alerting System (CAS)
- Aural Warning
- VHF Communication (COM)
- Airborne Audio System
- Flight Management System (FMS) including Required Navigation Performance (RNP)
- Satellite Weather and Radio Receiver
- Central Maintenance Computer (CMC)
- Cockpit Voice & Data Recorder (CVDR)
- SVS – Synthetic Vision System
- TAWS B Terrain Awareness and Alerting System
- Emergency Locator Transmitter (ELT)
- Electronic Jeppesen Charts
- Electronic Checklist

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FEATURES / OPTIONS:

- * Weather Radar
- * DME
- * HF and SELCAL
- * TCAS II 7.1
- * Exchange for Mode S/ ADS-B Out Transponder with Diversity
- * Radio Altimeter
- * TAWS Class A
- * CPDLC
- * ADS-B Out
- * Ground Clutter Suppression and Turbulence Detection
- * Surface Watch
- * Reactive Windshear
- * Package 2 (Belted Lav and 5th Seat)
- * Lavatory Rigid Door
- * In-Flight Phone and Datalink System
- * In-Flight Entertainment Package
- * Sunshade and Sun Visor

FEATURES / OPTIONS:

- * Cockpit Flood Lights
- * Cockpit Seat Sheepskin Cover
- * Stowage Compartment
- * Premium Passenger Door
- * Life Vests for 8 Seats
- * Crew PBE
- * Smoke Goggles

INTERIOR:

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

EXTERIOR:

Embraer Brand Paint Scheme.

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MAXIMUM CRUISE SPEED

(35,000 ft / 10,668 m, mid cruise weight)	406 ktas	752 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)	3,190 ft	972 m
Landing distance (SL, ISA, MTOW)	2,430 ft	741 m

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
Single engine	621 ft/min	189 m/min

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	150 m
Width	61 in	1.55 m

ENGINES

Two (2) Pratt & Whitney PW617F1-E

Takeoff thrust	1,730 lb
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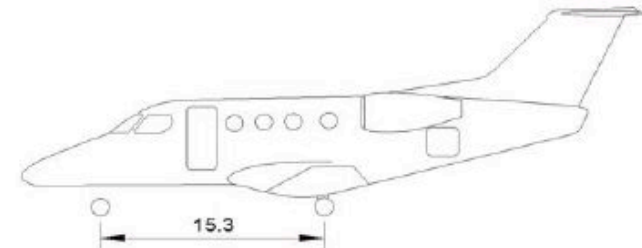
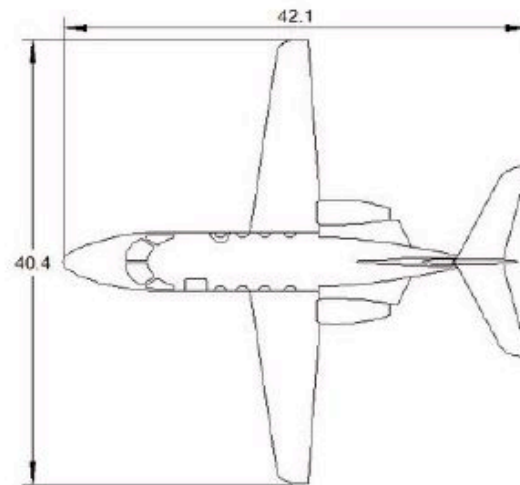
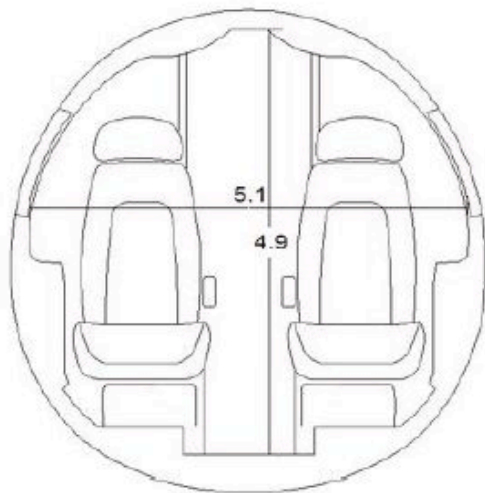
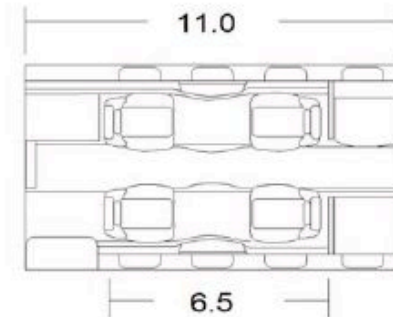
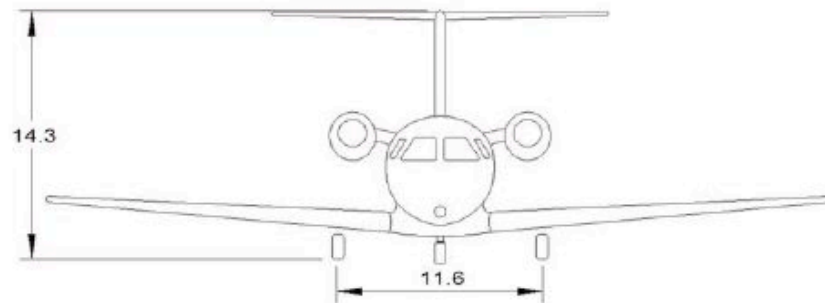
Design Weights and Capacities

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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Specifications Subject To Verification upon Inspection. Aircraft Subject To Prior Sale or Withdrawal from Market.

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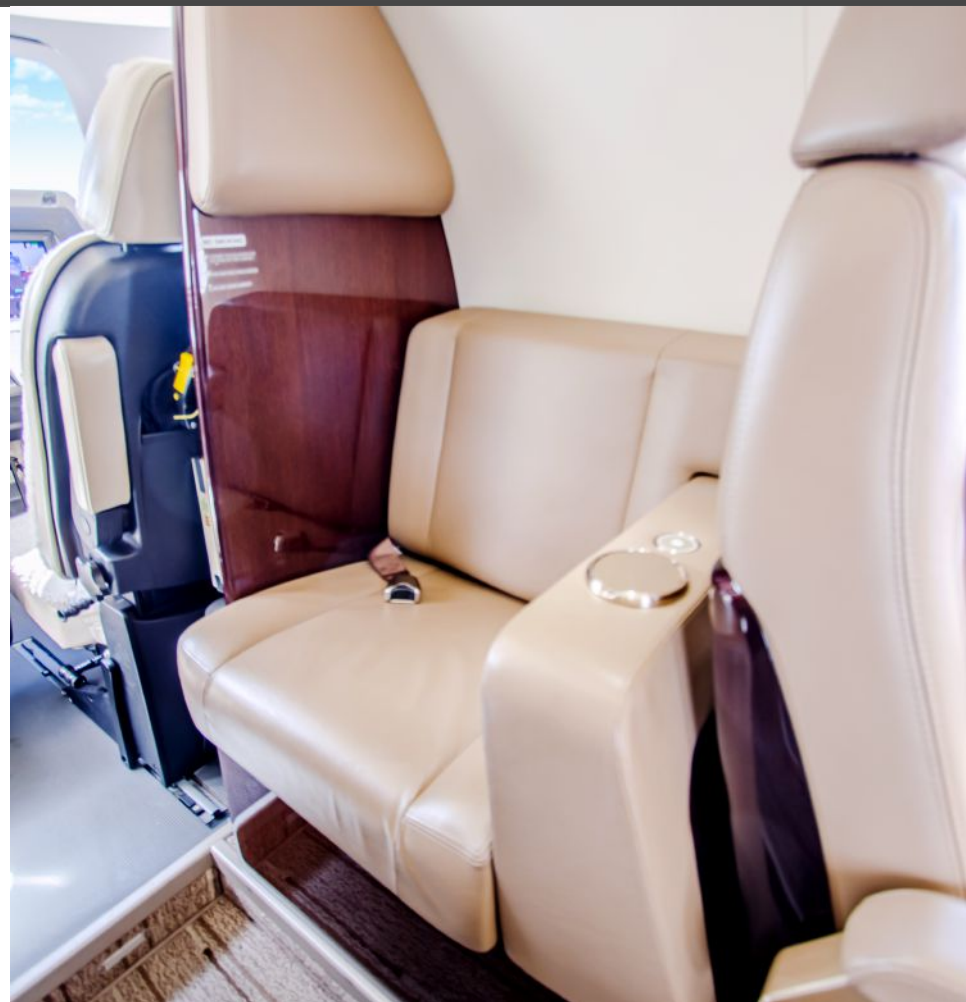
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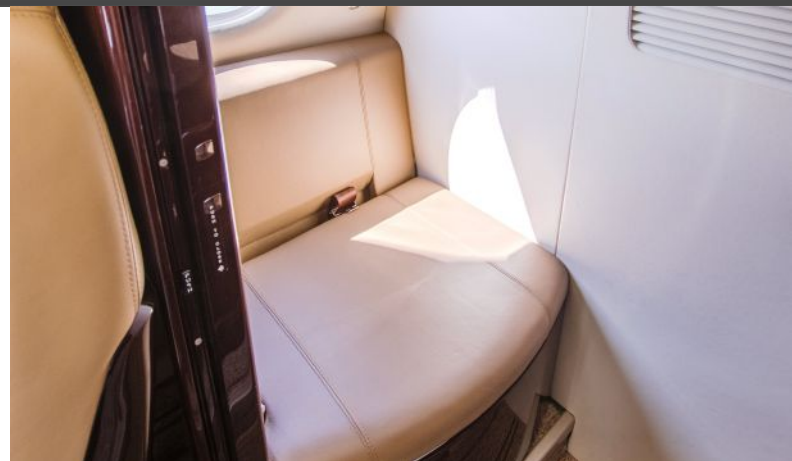
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