



Rethink Convention.

 **EMBRAER**
Executive Jets

PHENOM 100



THE NEXT-GENERATION PHENOM 100 PUSHES THE BOUNDARIES OF CONVENTION

Embraer Executive Jets is rethinking convention again — this time through the evolution of our popular Phenom 100E — to create the new Phenom 100 EV. It is the next generation of the industry's most desired very-light jet.

An updated engine FADEC enables the Phenom 100 EV to surpass the 400-knot cruise-speed barrier, while significantly improving takeoff performance in hot and high conditions. Up to 15% more thrust shortens takeoffs by the length of three football fields and trims 25% off time to initial cruise altitude. These enhancements are accompanied by a gross weight increase that allows the aircraft to boost its payload.

The Phenom 100 EV's new avionics suite — the Prodigy® Touch, based on the Garmin G3000 — features the first-ever touchscreen glass flight deck designed for light turbine aircraft. Prodigy® Touch revolutionizes flight management, replacing traditional switches and buttons with larger, centralized touchscreens. The avionics suite also includes enhanced vertical navigation and a new weather radar, the GWX 70, with ground clutter suppression and turbulence detection. SurfaceWatch and Reactive Windshear Alerting also are available.

A six-time winner of Robb Report's Best of the Best award in its segment, the Phenom's roomiest-in-class cabin can comfortably carry up to seven passengers. The exclusive OvalLite™ cabin offers a modern, sophisticated design with abundant leg and head room, plus the largest windows and baggage capacity in its class. The Phenom's private lavatory is the only one in its category with windows, for plenty of natural light. Contributing to its unsurpassed ramp presence is the signature air stair leading to the largest entrance door in its class.

Other new features in the Phenom 100 EV improve convenience and comfort, including relocated power outlets and a redesigned floor sill that increases aisle width. An even more evolved Phenom 100. From the company that makes challenging the status quo part of our everyday business.

01

The largest cabin and baggage compartment in class

02

The largest entrance door (Air Stair) in class

03

11 interior design collections

04

Aft private lavatory (fully enclosed)

05

OvalLite™ cabin design



AVIONICS — PRODIGY® TOUCH

FLIGHT DECK

- Single-pilot operation
- Reduced pilot checklists thanks to smart systems automation
- Three 14.1" high resolution displays with split-screen capability
- Two 5.7" VGA touchscreen controllers
- Document viewer for PDF files loaded via SD cards
- Flight Management System (FMS) with graphical flight planning capability
- Coupled Cruise-Climb-Descent Vertical Navigation (CCDVNAV) guidance and RNP 1
- Integrated Electronic Standby Instrument (IESI)
- Engine Indication and Crew Alerting System (EICAS)
- Electronic checklists and system synoptics
- Charts and Maps (SIDs, STARs)
- Synthetic Vision System (SVS)
- GWX 70 weather radar with available Ground Clutter Suppression and Turbulence Detection
- WAAS / LPV
- Central Maintenance Computer (CMC) for quick fault location and isolation

Some features are optional.



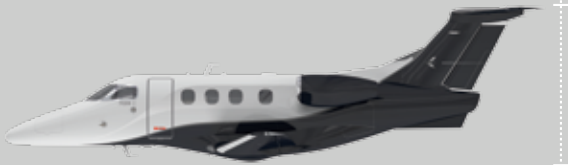
PHENOM 100 EV

SPECIFICATIONS

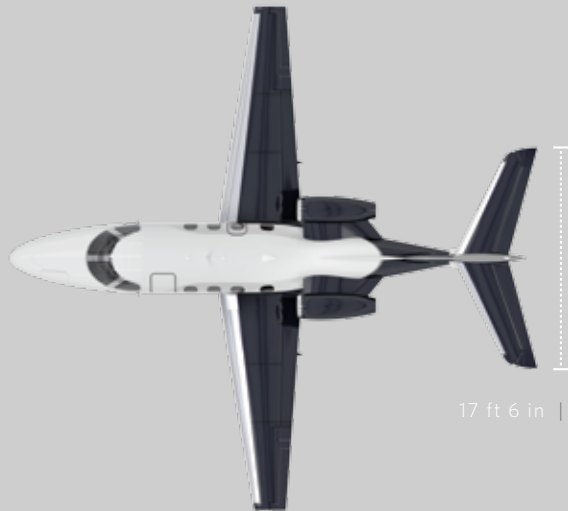
40 ft 4 in | 12.3 m



42 ft 1 in | 12.82 m



14 ft 3 in | 4.35 m



17 ft 6 in | 5.34 m

Not only does the Phenom 100 EV set new standards in its category, it brings modern style, comfort, performance, and reliability to the entry-level jet.

PERFORMANCE DATA

Range (LRC, 4 occupants @ 200 lb each, NBAA IFR reserves with 100 nm alternate airport)	1,178 nm / 2,182 km
High Speed Cruise	405 kt / 750 km/h
MMO	M 0.70
Takeoff Distance (MTOW, SL, ISA)	3,199 ft / 975 m

Unfactored Landing Distance (LW with 4 occupants @ 200 lb each, NBAA IFR reserves with 100 nm alternate airport, SL, ISA)	2,430 ft / 741 m
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Maximum Payload	1,664 lb / 755 kg
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Maximum Operating Altitude	41,000 ft / 12,497 m
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Propulsion	Pratt & Whitney Canada PW617F1-E
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Engines Thrust / Flat Rating	1,730 lbf / ISA + 8°C
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Avionics	Prodigy® Touch
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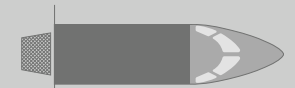
Total Baggage and Stowage Volume	70 cu.ft / 1.98 cu.m
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Seating Configuration (Crew + Standard Pax / Max Pax)	1 + 5 / 7
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Phenom 100 EV performance data is preliminary and subject to change.

CABIN LENGTH

M2
11.0 ft



MUSTANG
9.75 ft



PHENOM
11.0 ft



Largest cabin and baggage compartment in class



Exclusive OvalLite® cabin offers more head and leg room

LATIN AMERICA

Tel.: +55 11 3040 8432

U.S., CANADA & CARIBBEAN

Tel.: +1 321 751 5050

EUROPE, CIS & AFRICA

Tel.: +44 1252 379 270

EmbraerExecutiveJets.com

MIDDLE EAST

Tel.: +9714 428 0682

ASIA PACIFIC

Tel.: +65 6734 4321

CHINA

Tel.: +86 10 6598 9988

