



Rethink Convention.

 **EMBRAER**
Executive Jets

PHENOM 100



THE NEXT-GENERATION PHENOM 100 PUSHES THE BOUNDARIES OF CONVENTION

Embraer Executive Jets is rethinking convention again — through the evolution of our popular Phenom 100, the next generation of the industry's most desired entry-level business jet.

An updated engine FADEC enables the Phenom 100 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'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 optional weather radar, the GWX 70, with ground clutter suppression and turbulence detection; SurfaceWatch and Reactive Windshear Alerting also are available.

A seven-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 Oval Lite® 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 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 (airstair) in class

03

11 interior design collections

04

Aft private lavatory (fully enclosed)

05

Oval Lite® cabin design



PHENOM 100

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 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 at 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
M _{MO}	M 0.70
Takeoff Distance (MTOW, SL, ISA)	3,190 ft / 972 m
Unfactored Landing Distance (LW with 4 occupants at 200 lb each, NBAA IFR reserves with 100 nm alternate airport, SL, ISA)	2,430 ft / 741 m
Maximum Payload	1,775 lb / 805 kg
Maximum Operating Altitude	41,000 ft / 12,497 m
Propulsion	Pratt & Whitney Canada PW617F1-E
Engine Thrust / Flat Rating	1,730 lb _f / ISA + 8°C
Avionics	Prodigy® Touch
Total Baggage and Stowage Volume	70 cu ft / 1.98 cu m
Seating Configuration (Crew + Standard Passengers / Max Passengers)	1 + 5 / 7



Largest baggage compartment in its class



Exclusive Oval Lite® cabin offers more head and leg room

AVIONICS PRODIGY® TOUCH FLIGHT DECK

FLIGHT DECK

- Single-pilot operation
- Reduced pilot checklists thanks to smart automation
- Soft keys on displays minimize navigation time on menus
- Three 14.1" interchangeable displays
- Standard Flight Management System (FMS) with graphical flight planning capability — unique in its class
- Integrated Electronic Standby Instrument (IESI)
- Engine Indication and Crew Alerting System (EICAS)
- Electronic checklist and system synoptics
- Charts and maps (SIDs, STARs)
- Standard Synthetic Vision System (SVS) – unique in its class
- Weather radar with vertical scan, ground clutter suppression and turbulence detection
- RNP 1
- WAAS / LPV
- Datalink via SATCOM — unique in its class
- Central Maintenance Computer (CMC): quick fault location and isolation
- SurfaceWatch™
- Vertical navigation through climb, cruise, descent (CCDVNAV)
- Reactive windshear alerting

Some features are optional.

