



CHALLENGE.  
CREATE.  
OUTPERFORM.

**PHENOM 100EX**



## EXPERIENCE EXCELLENCE

The Phenom 100EX offers unmatched cabin comfort combined with the highest levels of operational versatility and enhanced pilot-centric avionics to deliver the ultimate flying experience to those in the cockpit and the cabin.

The aircraft features impressive ramp appeal with the most complete airstair in its class, largest entrance door, and the roomiest and most accessible baggage compartment. Onboard, craftsmanship meets innovation in a cabin space where comfort is paramount with the tallest and widest cross section in its class combined with abundant natural light through extra-large windows. The best-in-class, high-tech interior features ergonomic seating, upper tech panels, Embraer Design DNA interiors, baseline side-facing fifth seat and belted lavatory, flush-to-the-wall tables, and additional storage in the lavatory.

The cockpit is equally considerate with further legroom provided by extended seat tracking, an open-concept cockpit for easier communication with the cabin, and enhanced safety as the first in its class to offer Runway Overrun Awareness and Alerting System (ROAAS). Additional avionics improvements, as part of the Garmin Prodigy® Touch, include FlightStream 510, a synthetic vision system, emergency descent mode, stabilized approach, predictive windshear, automatic 3D volumetric scanning lightning and hail prediction, and more.

Benefiting from the family's reputation for high utilization and low maintenance costs, the entry-level jet is also one of the greenest dual-engine jets on the market, culminating in a versatile aircraft built to offer the highest level of operational flexibility.

01

*Generous cabin and largest baggage capacity in class*

02

*Most complete airstair & largest entrance door in class*

03

*Industry- and category-first ROAAS technology*

04

*Fully enclosed private lavatory*

05

*Exclusive Oval Lite® cabin design & Embraer Design DNA*

# PHENOM 100EX

## SPECIFICATIONS

40 ft 4 in | 12.30 m



42 ft 1 in | 12.82 m



14 ft 3 in | 4.35 m



17 ft 6 in | 5.34 m

The Phenom 100EX isn't just a jet; it's an embodiment of comfort and innovation harmoniously entwined. With enhanced single-pilot-friendly avionics and pioneering safety features, whether you're a seasoned pilot or a passenger seeking the utmost comfort, the Phenom 100EX is the ultimate match for those who demand excellence.

### PERFORMANCE DATA

Range (LRC, 4 occupants at 200 lb each, NBAA IFR reserves with 100 nm alternate) 1,178 nm / 2,182 km

High Speed Cruise 406 kt / 752 km/h

M<sub>MO</sub> 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

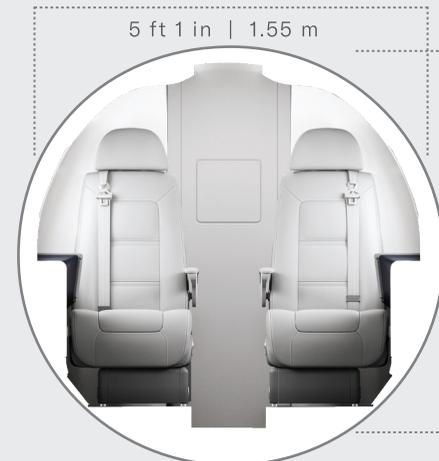
Engine Thrust / Flat Rating 1,730 lb<sub>f</sub> / ISA + 8°C

Avionics Prodigy® Touch

Total Baggage and Stowage Volume 70 ft<sup>3</sup> / 1.98 m<sup>3</sup>

Seating Configuration (Crew + Standard Passengers / Max Passengers) 1 + 5 / 7

5 ft 1 in | 1.55 m



4 ft 11 in  
1.50 m

*Exclusive Oval Lite® cabin offers more head and leg room*



*Largest baggage capacity in its class*



# 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
- Integrated Electronic Standby Instrument (IESI)
- Engine Indication and Crew Alerting System (EICAS)
- Electronic checklist and system synoptics
- Charts and maps (SIDs, STARs)
- Runway Overrun Awareness and Alerting System (ROAAS)
- Standard Synthetic Vision System (SVS)
- Weather radar with vertical scan, ground clutter suppression, turbulence detection and auto mode
- Predictive windshear
- Stabilized approach
- FlightStream 510
- RNP 1
- WAAS / LPV
- Datalink via SATCOM
- Central Maintenance Computer (CMC): quick fault location and isolation
- SurfaceWatch™
- Vertical navigation through climb, cruise, descent (CCDVNAV)
- Reactive windshear alerting

*Some features are optional.*



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