

PHENOM[®] 300E
BY EMBRAER



EMPOWERING GLOBAL AEROSPACE THROUGH EFFICIENCY & INNOVATION

Embraer is creating tomorrow's world of air travel today, utilizing industry-leading innovation, design, and technology—all the while incorporating sustainable and socially responsible practices.

As a global company with more than 55 years in aviation, Embraer is empowering aerospace through engineering excellence, enterprise efficiency and a customer-centric philosophy.

Every day, Embraer business aircraft operate around the globe, supported by a strong, responsive customer support network that's top-ranked across the industry. For more information, visit executive.embraer.com.

A LEGEND OF THE SKIES





Tour it virtually



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Best-in-class performance. Class-exclusive technology. Uncompromising comfort.
This is what defines the light jet on every pilot's wishlist.





HIGHLIGHTS

Single-pilot-friendly Prodigy Touch flight deck, based on Garmin G3000, including Runway Overrun Awareness and Alerting System (ROAAS) and autothrottle



Best-in-class cabin pressurization (6,600 ft. maximum cabin altitude)

Abundance of natural light through the largest windows in class



The highest residual value in the industry



The world's furthest-flying light jet

Designed for high utilization and low operating costs

The fastest-flying single-pilot jet in production with speeds up to Mach 0.80



EPIC PERFORMANCE



EFFORTLESS PILOTING



ENERGIZING COMFORT



Every flight is a new opportunity to experience the power of the Phenom 300E—from best-in-class performance capabilities to cutting-edge technology and comfort that energizes you for the missions to come.

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EPIC PERFORMANCE





KNOW NO BOUNDS

A legend for all the right reasons, the Phenom 300E is the fastest, furthest flying light jet in production, capable of speeds up to Mach 0.80—no wonder it's the best-seller for more than a decade and maintains the highest residual value in the industry. If there was ever a limit to what a light jet could do, this aircraft wasn't aware.

PERFORMANCE CAPABILITIES

Range (5 occupants at 200 lb (91 kg) each, ISA temperature en route, LRC, NBAA IFR reserves with 100 nm alternate.) 2,010 nm / 3,723 km

High Speed Cruise 464 kt / 859 km/h

M_{MO} M 0.80

Takeoff Distance (MTOW, SL, ISA) 3,209 ft / 978 m

Landing Distance (Unfactored, 5 occupants, SL, ISA, NBAA IFR reserves with 100 nm alternate.) 2,212 ft / 674 m

Maximum Payload 2,636 lb / 1,196 kg

Maximum Operating Altitude 45,000 ft / 13,716 m

Propulsion Pratt & Whitney Canada PW535E1

Engine Thrust / Flat Rating 3,478 lb_f / ISA + 15°C

Avionics Garmin G3000 Prodigy® Touch

Total Baggage and Stowage Volume 84 ft³ / 2.38 m³

Seating Configuration (Crew + Standard Passengers / Max Passengers) 1 - 2 + 6 / 9 - 10

52 ft 2 in | 15.91 m



51 ft 4 in | 15.64 m



16 ft 9 in | 5.10 m
*Including landing gear



19 ft 7 in | 5.97 m

GO THE DISTANCE

Travel regionally, reliably, on the Phenom 300E with a nonstop long-range cruise of 2,010 nm. And benefiting from the family's reputation for high utilization and low maintenance costs, it's well-equipped to go the distance with efficiency in mind.



Embraer *5 occupants at 200 lb (91 kg) each, 85% annual winds, ISA en route, 85% annual takeoff temperature, 3% airways allowance, LRC, NBAA IFR reserves with 100 nm alternate, no wet footprint considerations.

THE WORLD IS YOURS

A legendary aircraft for legendary missions. In the Phenom 300E, rely on your jet to conquer the distance between A and B, in style. Fly from Aspen to New York, São Paulo to Manaus, Athens to London, and Dubai to the Maldives, to name a few.



ASPEN TO NEW YORK



SÃO PAULO TO MANAUS



ATHENS TO LONDON



DUBAI TO MALDIVES

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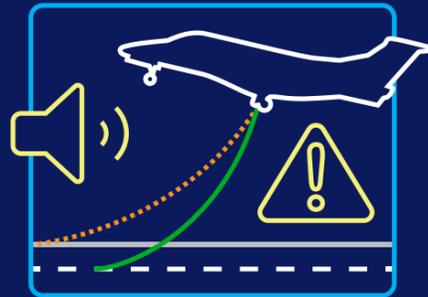
EFFORTLESS PILOTING



INTUITIVE SAFETY, BUILT-IN

Pilots and passengers alike will appreciate the enhanced safety capabilities of the Phenom 300E's avionics, as part of the renowned Prodigy Touch Garmin G3000. Technology like the Embraer-exclusive Runway Overrun Awareness and Alerting System, autothrottle and Emergency Descent Mode provide 360° coverage, increased awareness, and reduced pilot workload to be prepared for any mission, any time.

Runway Overrun Awareness and Alerting System (ROAAS)



Provides alerts in case of risk of runway overrun during landing, one of the most critical phases of flight.

Emergency Descent Mode



Automatically adjusts altitude to mitigate risks of critical scenarios of cabin depressurization.

Autothrottle



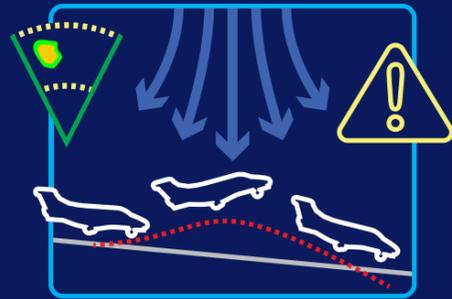
Automatically adjusts engine thrust to maintain the desired airspeed or power setting.



MISSION READY MADE EASY

Whether you're a seasoned pilot or a passenger seeking the utmost assurance, the pioneering safety features onboard the Phenom 300E make this jet the ultimate match for those who demand excellence.

Predictive windshear



Helps monitor and predict wind conditions to increase pilot awareness so they can plan ahead for maneuvers.

FlightStream 510



Wirelessly stream data to and from the cockpit through advanced connectivity that save pilots time and workload.

Graphical Flight Planning



Touchscreen-based route building with clear, color-coded map visuals for each flight phase—making planning fast and intuitive.

SurfaceWatch™



Real-time runway alerts and dynamic airport visuals help pilots avoid incursions and maintain situational awareness during taxi, takeoff, and landing.

Ground Clutter Suppression and Turbulence Detection



Sharper radar views with reduced ground interference and enhanced turbulence awareness for safer weather navigation.

Synthetic Vision System



Increase situational awareness with enhanced visuals provided by SVS.

Stabilized approach



Provides situational awareness, and visual and aural alerts during final approach.

Automatic 3D volumetric scanning



Intelligently automates tasks and scans ahead to present a comprehensive view of potential weather systems, including hail and lightning prediction.

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ENERGIZING COMFORT



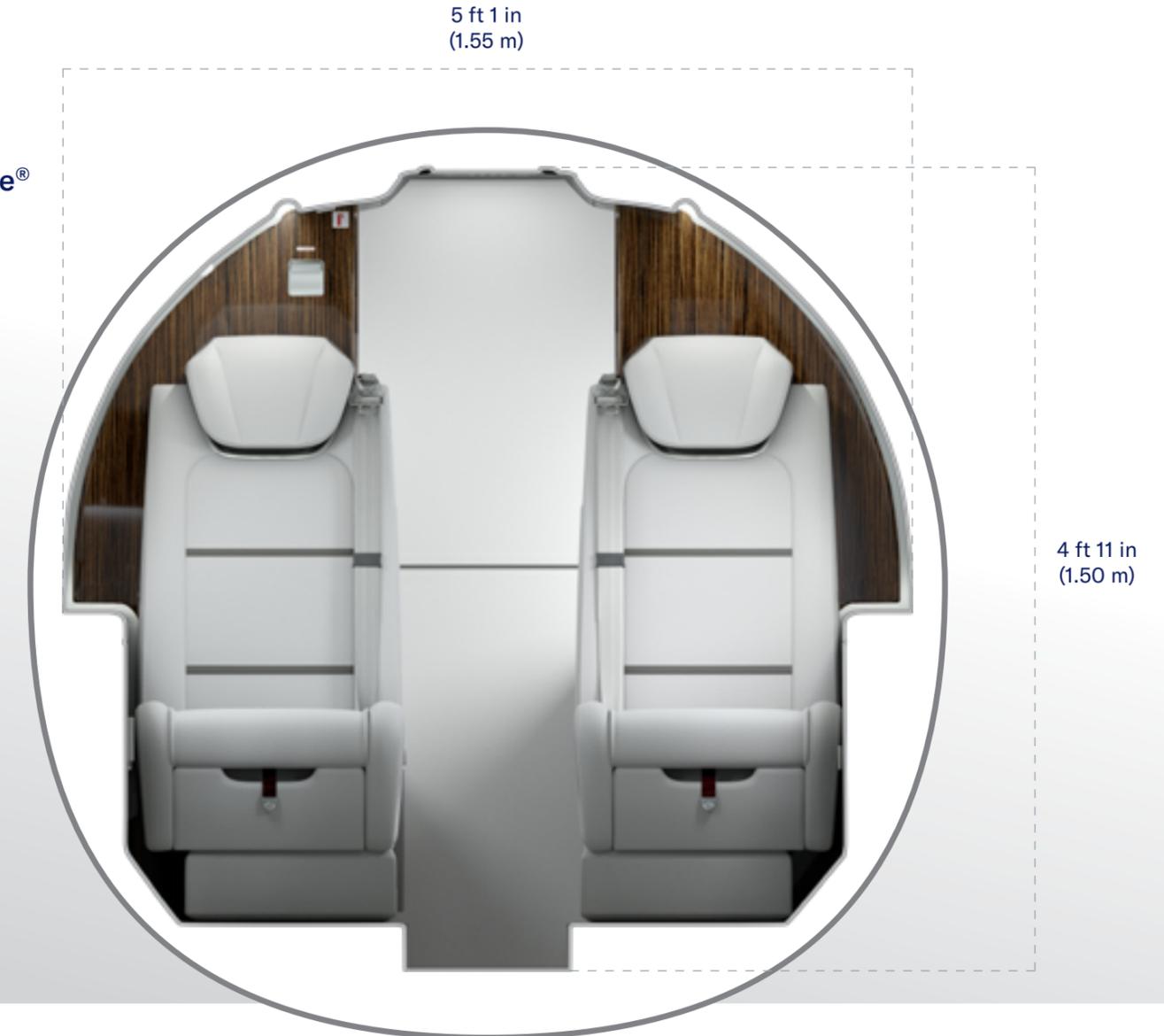


MAXIMIZE YOUR AIR TIME

Craftsmanship meets innovation in a cabin space where your utility and comfort are paramount, featuring high-tech engineering and Embraer's Design DNA interiors.

Exclusive Oval Lite[®] cross section

Most head- and legroom in class



ARRIVE ENERGIZED

Boasting the best cabin pressurization in class, the Phenom 300E delivers more oxygen to the cabin than any other light jet on the market, reducing fatigue.

6,600 ft. maximum cabin altitude





Technology at your fingertips

Ambient control through sleek upper tech panels

Space to work

Flush-to-the-wall tables



Onboard with ease

Impressive airstair complete with handrail and step lighting



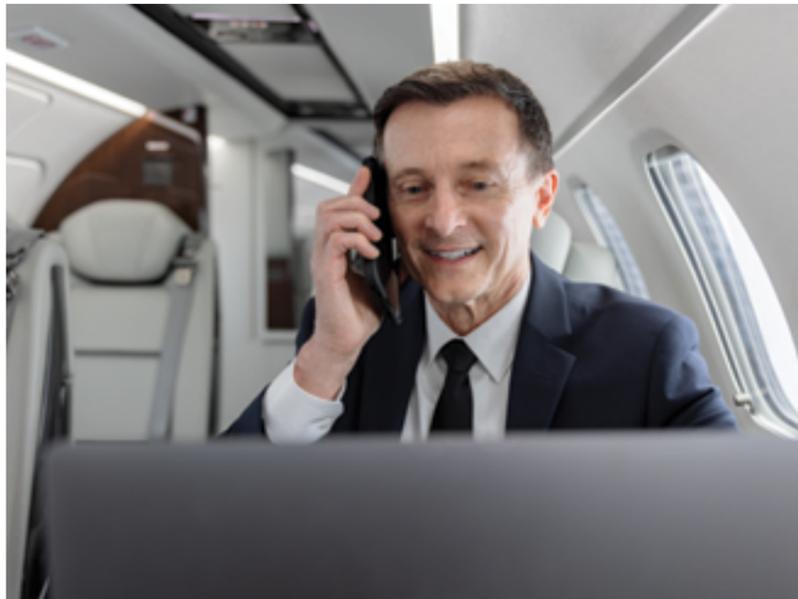
Rear baggage

66 ft³ (1.9 m³), leave nothing behind with one of the most generous baggage compartments in the class



SEAMLESS CONNECTIVITY

Your life doesn't stop. Neither should your connection. Onboard the Phenom 300E, enjoy seamless connectivity with Gogo Avance L5, enabling you to stream, video conference, download, and more. So you never miss a beat while you're at 45,000 feet.



Optional in-flight iridium phone system*

- Iridium Satellite Network
- Worldwide coverage

Gogo Avance L5*

- Internet connection (up to 9.8 Mbps)
- 3x faster than the current ATG
- Video and Audio Streaming (GOGO Vision)
- Talk & Text (GOGO T&T)
- US & Canada (only)



LEAVE NO ONE BEHIND

Optimized for more passengers and more time spent in the cabin.

Seating configuration

DIVAN CABIN LAYOUT

Optional belted lavatory, two-place divan and refreshment center (11 occupants)



◀ Flight direction



COMFORT AND CONVENIENCE AT ITS FINEST

Designed to maximize the utility of the cabin,
whether for work, rest or recreation.

Seating configuration



BASELINE CABIN LAYOUT
Standard configuration with refreshment center (8 occupants)



7th SEAT CABIN LAYOUT
Optional belted lavatory, seventh seat and refreshment center (10 occupants)



◀ Flight direction

7th SEAT AND LOCKER



REFRESHMENT CENTER



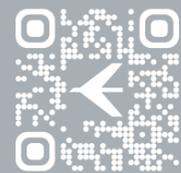
Baseline layout

BELTED LAVATORY



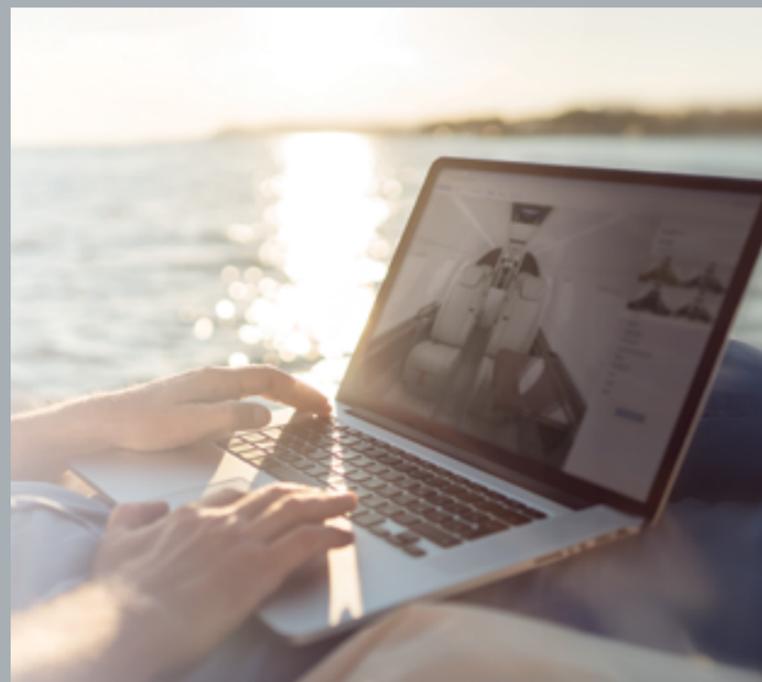
ENJOY IT YOUR WAY

The Phenom 300E allows for several configurations and design themes to maximize your light jet, with three unique seat insert options.



Ready to visualize your jet?

Scan the QR code to access our full online configurator from your phone, tablet or computer.



SEAT STYLES

*Some items are optional.

BASE STICHING



DIAMOND STICHING



IPANEMA STICHING



INTERIOR DESIGN THEMES

*Some items are optional.





WORLDWIDE SUPPORT

The ultimate experience isn't complete without around-the-world support, 24 hours a day, 365 days a year. With an ever-expanding network of owned and authorized service centers, comprehensive service portfolio, customizable solutions, and pilot training facilities, Embraer is consistently top-ranked as a world leader in customer support.



Scan QR code to learn more about Services & Support

THE ULTIMATE EXPERIENCE IN BUSINESS AVIATION

Embraer delivers the ultimate experience in business aviation through aircraft that feature disruptive performance, technology and comfort. Its portfolio consists of the Phenom 100EX, which offers unmatched cabin comfort, the highest levels of operational versatility and enhanced pilot-centric avionics; the Phenom 300E, which has been the best-selling light jet for over a decade; the Praetor 500E, the midsize jet maximized to fly furthest, fastest, in unrivaled cabin comfort; and the Praetor 600E, the world's furthest-flying super-midsize jet, reimagined for a next-gen cabin experience.

PRAETOR 500E

Category: Midsize	Crew + Max. passengers: 2 + 9	Speed: M 0.83
Range: 3,340 nautical miles (4 pax, NBAA reserves)		

Experience a jet like none other in the midsize that flies furthest, fastest and in unrivaled cabin comfort. Equipped with category-exclusive full fly-by-wire with active turbulence reduction, the Praetor 500E is maximized to go the distance.

PHENOM 100EX

Category: Entry-level	Max. occupants: 8	Speed: M 0.70
Range: 1,178 nautical miles (4 occupants, NBAA reserves)		

Experience excellence through unmatched cabin comfort, the highest levels of operational versatility and enhanced pilot-centric avionics including Runway Overrun Awareness and Alerting System (ROAAS).

PHENOM 300E

Category: Light	Max. occupants: 11	Speed: M 0.80
Range: 2,010 nautical miles (5 occupants, NBAA reserves)		

An aircraft of legendary reputation as the fastest and furthest-flying in its category, the Phenom 300E is the best-selling light jet for over a decade, featuring advanced technology such as ROAAS (Runway Overrun Awareness & Alerting System) and autothrottle.

PRAETOR 600E

Category: Super-midsize	Crew + Max. Passengers: 2 + 12	Speed: M 0.83
Range: 4,018 nautical miles (4 pax, NBAA reserves)		

Different by design and disruptive by choice, the Praetor 600E delivers a next-gen cabin experience, best-in-class range, and category-exclusive full fly-by-wire with active turbulence reduction.





Contact us

