

PHENOM[®] 300EV

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.

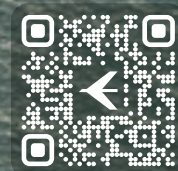
Every day, Embraer business aircraft operate around the globe, supported by a strong, responsive customer support network that's top-ranked across the industry. For more information, visit embraer.com/executive.

BOLD WITH
A PURPOSE





See it in action



PHENOM[®] 300EV
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There are light jets. And then there's the Phenom 300EV. Legendary. Intuitive. Refined.

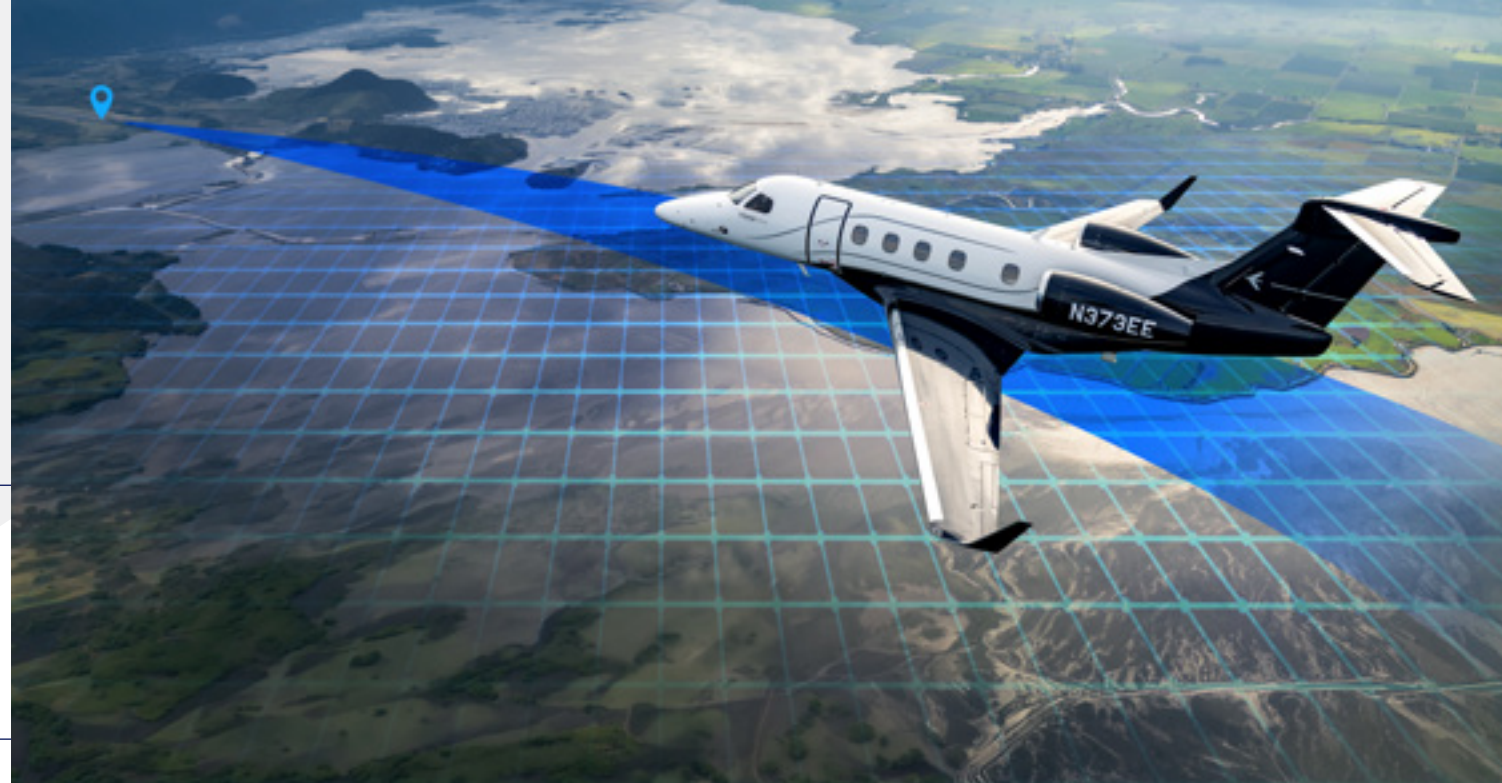




HIGHLIGHTS

The largest jet with
Garmin® Emergency Autoland

Best-in-class
range of 2,055 nm



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



State-of-the-art connectivity,
including LEO satellite
line-fit solution

The highest residual
value in the industry



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

Designed for high utilization
and low operating costs



INTUITIVE
SAFETY TECHNOLOGY



LEGENDARY MIGHT,
AMPLIFIED



REFINED COMFORT



Every flight is a new opportunity to experience the power of the Phenom 300EV— from cutting-edge safety technology to best-in-class performance capabilities and a cabin designed to energize you for the missions ahead.

PHENOM[®] 300EV
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INTUITIVE
SAFETY TECHNOLOGY



THERE WHEN YOU NEED IT MOST

Garmin® Emergency Autoland

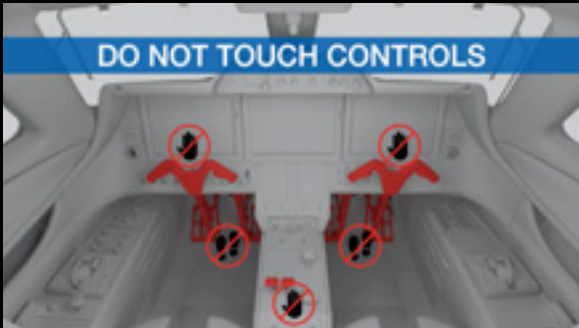
The Phenom 300EV is now the largest aircraft to feature Garmin® Emergency Autoland. Enabled manually or automatically, the system triggers self-landing capabilities in the event of pilot incapacitation, providing critical peace of mind when you need it most.

EMERGENCY AUTOLAND ACTIVATED



THE SYSTEM IS COMMUNICATING WITH AIR TRAFFIC CONTROL

DO NOT TOUCH CONTROLS



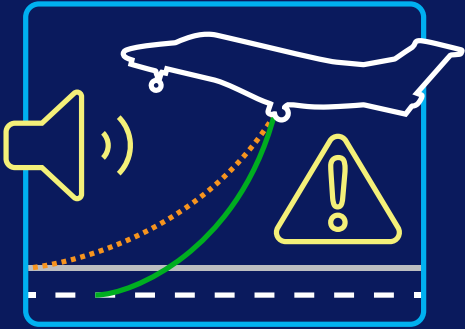
AIRCRAFT WILL LAND AT AIRPORT **AUTOMATICALLY**



INTUITIVE SAFETY, BUILT-IN

With a purposeful combination of advanced systems, as part of the renowned Garmin G3000 Prodigy Touch™, the Phenom 300EV makes flying the world’s most powerful light jet more intuitive and secure than ever. Alongside Garmin® Emergency Autoland, everyday operations are simplified with the introduction of the Embraer-developed Multi-Purpose Electronic Controller (MEC), enabling electronically-controlled functions like class-exclusive autobrake and rudder-by-wire—enhancing confidence in every phase of flight.

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.

Autobrake



Automatically applies braking pressure after touchdown to support smoother, easier landings.

Autothrottle



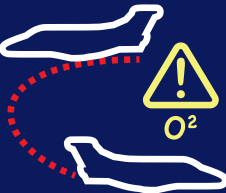
Automatically adjusts engine thrust to maintain the desired airspeed or power setting.

Rudder-by-wire flight controls



Electronic flight control, enhancing handling, long-term operational reliability and maintenance.

Emergency Descent Mode



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

Stabilized approach

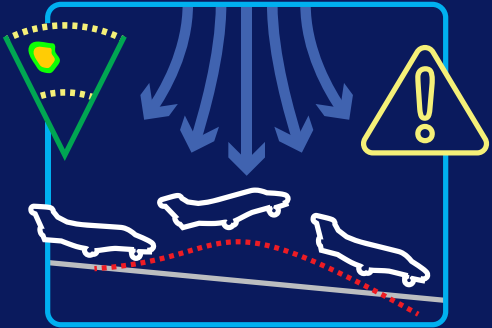


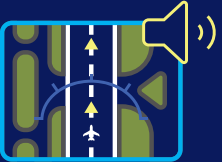
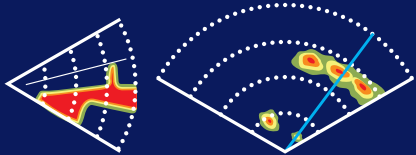
Provides situational awareness, and visual and aural alerts during final approach.



MISSION READY MADE EASY

Whether you're a seasoned pilot or a passenger seeking the utmost assurance, the cutting-edge technology onboard the Phenom 300EV expands operational versatility and enhances navigation—translating into a smoother, more seamless journey for all.

Predictive windshear A diagram showing a cross-section of the ground with a red dotted line representing a wind shear boundary. Blue arrows indicate wind direction and speed. A yellow warning triangle with an exclamation mark is on the right. Helps monitor and predict wind conditions to increase pilot awareness so they can plan ahead for maneuvers.	GDL60 A diagram showing a cockpit interior with a hand pointing at a tablet displaying a graph. The background shows a stylized cityscape. Wirelessly stream real-time data to and from the cockpit through smart connectivity to portable devices, saving pilots time and workload.
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Graphical Flight Planning A diagram showing a map with a blue line representing a flight route. A yellow arrow points to a specific location on the route. Route building with clear, color-coded map visuals for each flight phase—making planning fast and intuitive.	SurfaceWatch™ With runway and taxiway situational awareness A diagram showing a top-down view of a runway and taxiway. A yellow arrow points to a specific location on the runway. A yellow speech bubble with an exclamation mark is on the right. Provides intuitive visual guidance and real-time alerts, enhancing precision on the ground.
Ground Clutter Suppression and Turbulence Detection and Automatic 3D volumetric scanning A diagram showing two radar views. The left view shows a sharp, clear radar return. The right view shows a more detailed, 3D-like radar return with color-coded areas. Sharper radar views with reduced ground interference and enhanced weather and turbulence awareness for safer navigation.	Synthetic Vision Guidance System and RNP AR A diagram showing a top-down view of a runway. A yellow arrow points to a specific location on the runway. A yellow speech bubble with an exclamation mark is on the right. Approach and landing capability, supporting operation at lower minimums.
FANS 1/A+ A diagram showing a globe with a hand pointing to a specific location. The globe has green dots representing various locations. Enables seamless communications over oceanic and remote regions, improving operational efficiency, routing flexibility, and access to preferred airspace.	Inertial Reference System (IRS) A diagram showing a top-down view of a runway. A yellow arrow points to a specific location on the runway. A yellow speech bubble with an exclamation mark is on the right. Provides precise aircraft and navigation reference data, supporting accurate flight guidance and enhanced situational awareness.

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LEGENDARY MIGHT,
AMPLIFIED





A LEGEND CONTINUES

The fastest and furthest-flying light jet continues to perfect its performance. Achieving speeds up to Mach 0.80, a range of 2,055 nm and a best-in-class max. payload capacity. All while delivering the legendary handling that defines the series.

PERFORMANCE CAPABILITIES

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

2,055 nm / 3,805 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

3,066 lb / 1,390 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



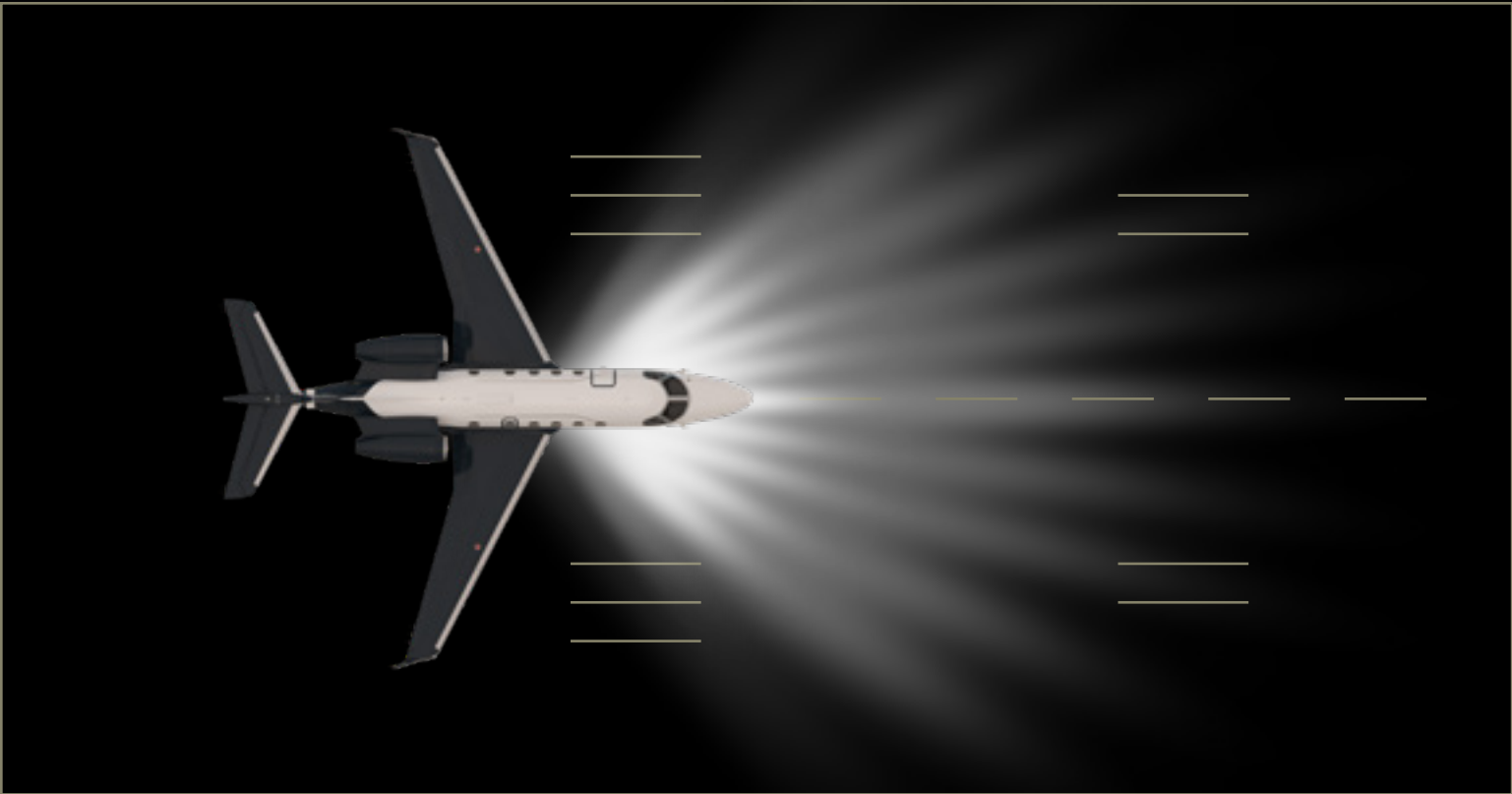
19 ft 7 in | 5.97 m

A BRIGHTER WAY TO FLY

Greater visibility. Longer-lasting light. LED taxi and landing lights bring added clarity to every critical moment.

Up to 75,000 lumens

Coverage up to 1,200 feet



GO THE DISTANCE

Travel regionally, reliably, on the Phenom 300EV with a nonstop long-range cruise of 2,055 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.

*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 300EV, 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

PHENOM[®] 300EV
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REFINED COMFORT

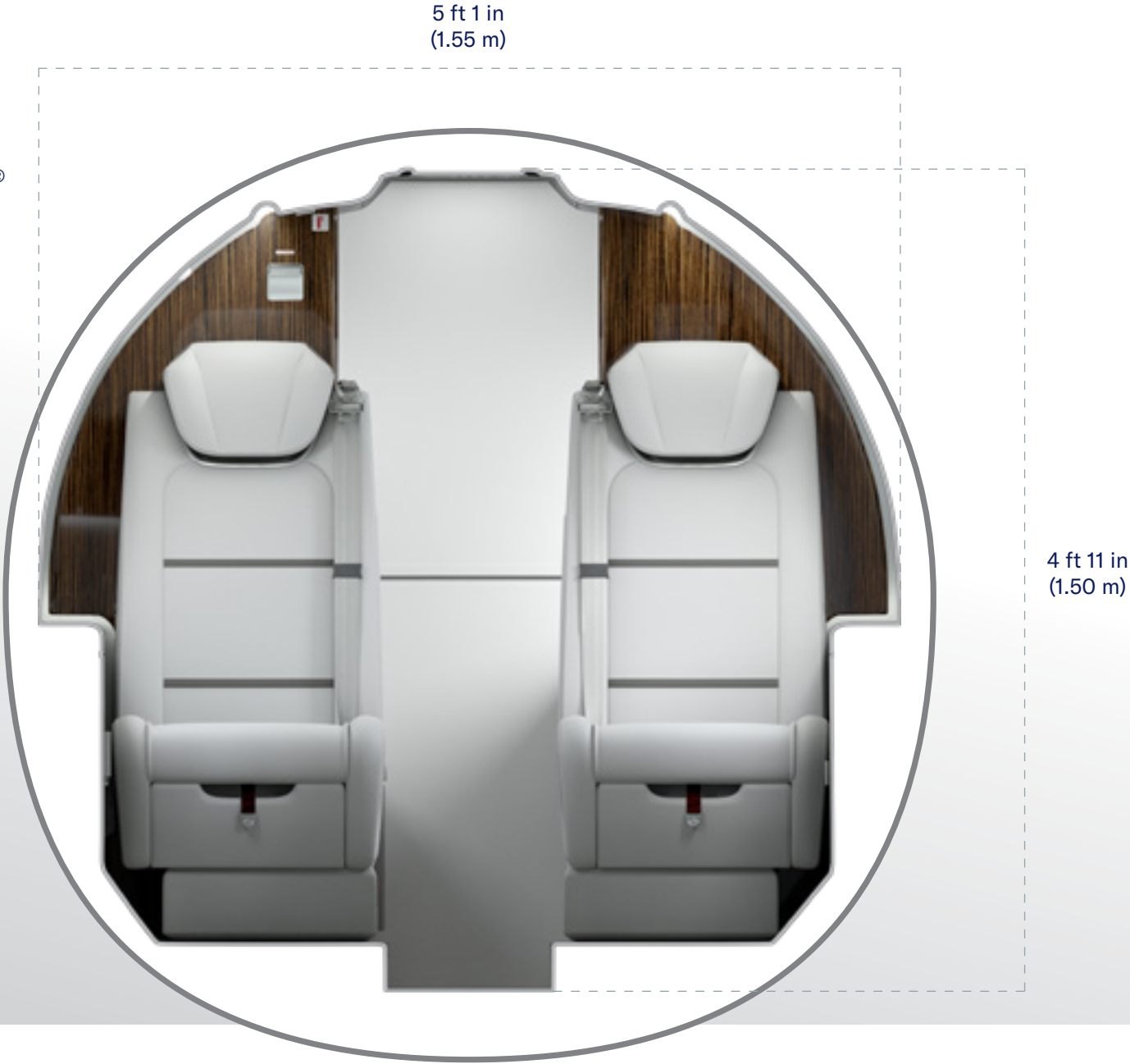




MAXIMIZE YOUR AIR TIME

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 provides ample head- and legroom



ARRIVE ENERGIZED

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

6,600 ft. maximum cabin altitude



**Breathe better
with the new
air ionizer**

Cabin ionization
delivers a cleaner
and fresher onboard
experience



Technology at your fingertips

Ambient control through sleek upper tech panels



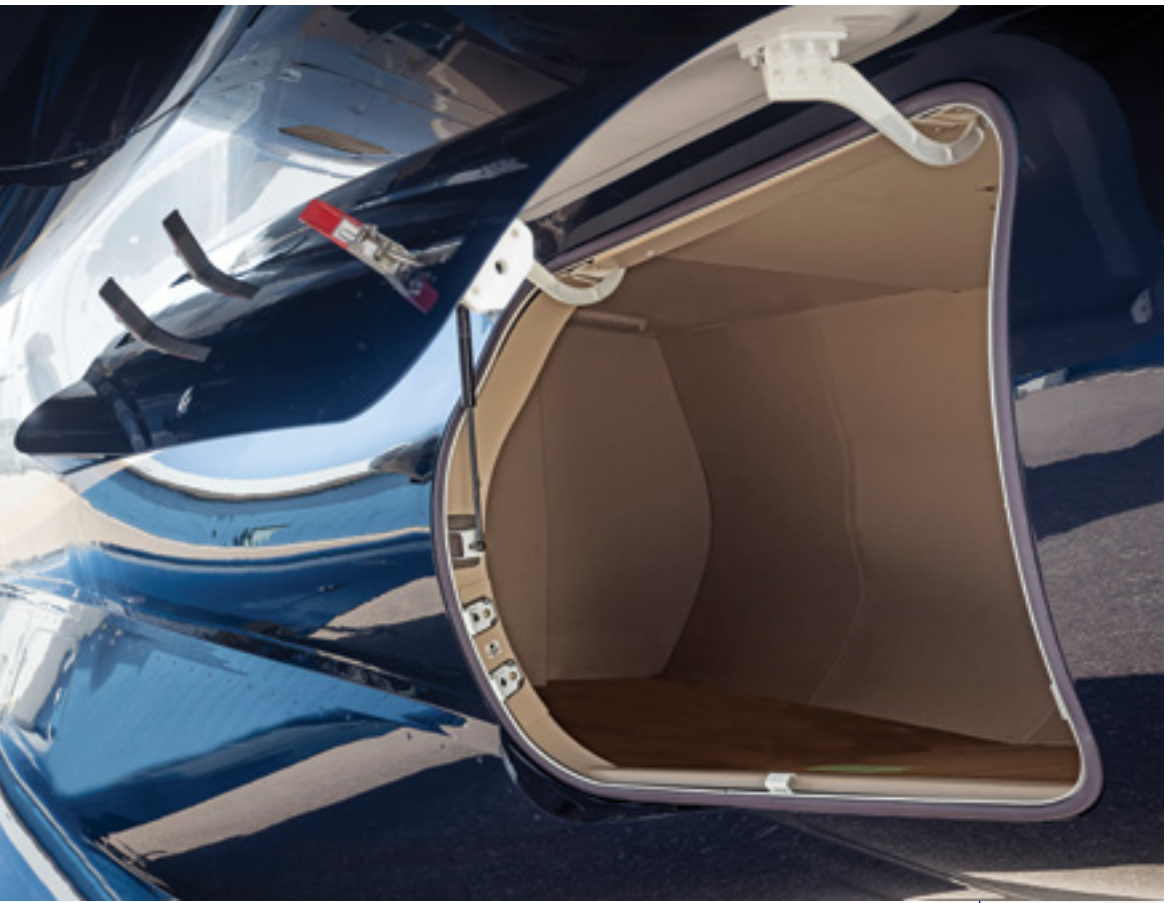
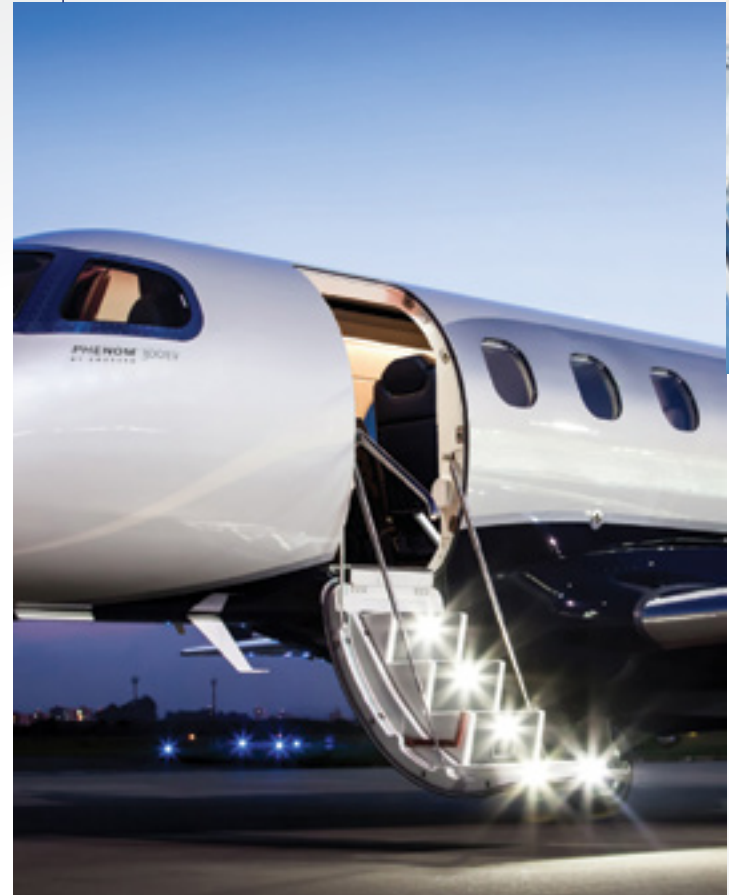
Space to work

Flush-to-the-wall tables



Onboard with ease

Impressive airstair complete with handrail, step lighting and the largest door in the category



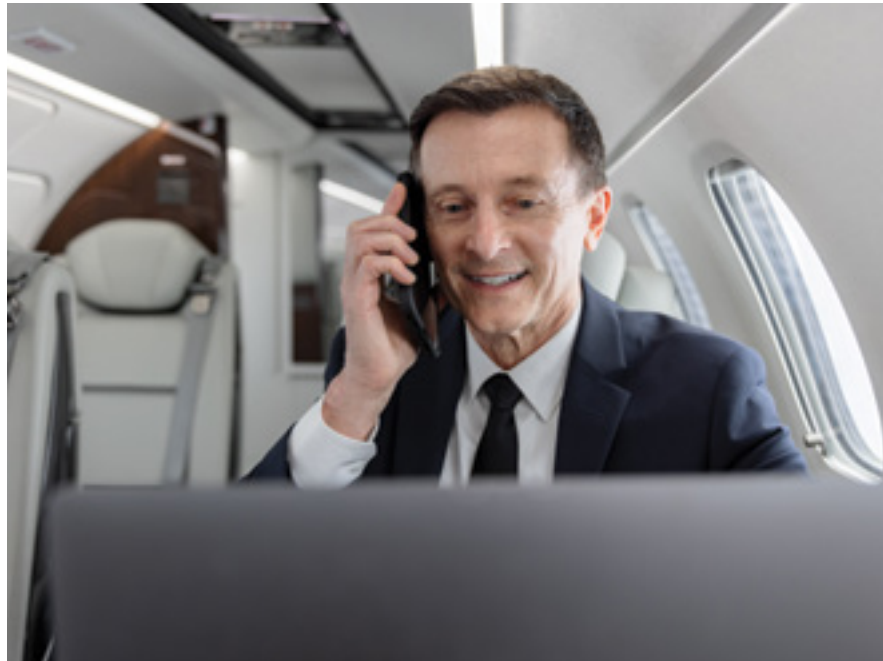
Rear baggage

66 ft³ (1.9 m³), leave nothing behind with one of the most generous baggage compartments in the class and leading max. payload capacity in the segment



SEAMLESS CONNECTIVITY

Your life doesn't stop. Now, neither does your connection. Choose from a variety of options including high-speed LEO connectivity, and never miss a moment while you're at 45,000 feet.



Gogo Galileo HDX

The latest in connectivity solution, LEO satellites enable lightning-fast speeds so you can stream, video conference, and download anywhere in the world. Available as a line-fit solution that integrates into the Cabin Management System.

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)

Optional in-flight iridium phone system

- Iridium Satellite Network
- Worldwide coverage



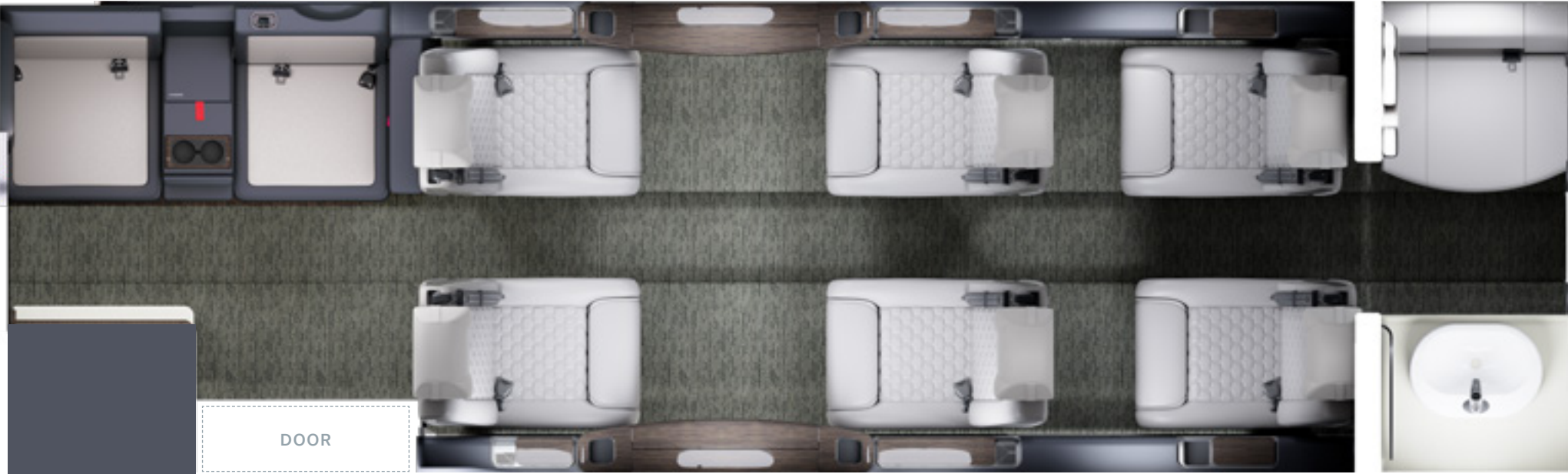
LEAVE NO ONE BEHIND

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

Seating configuration

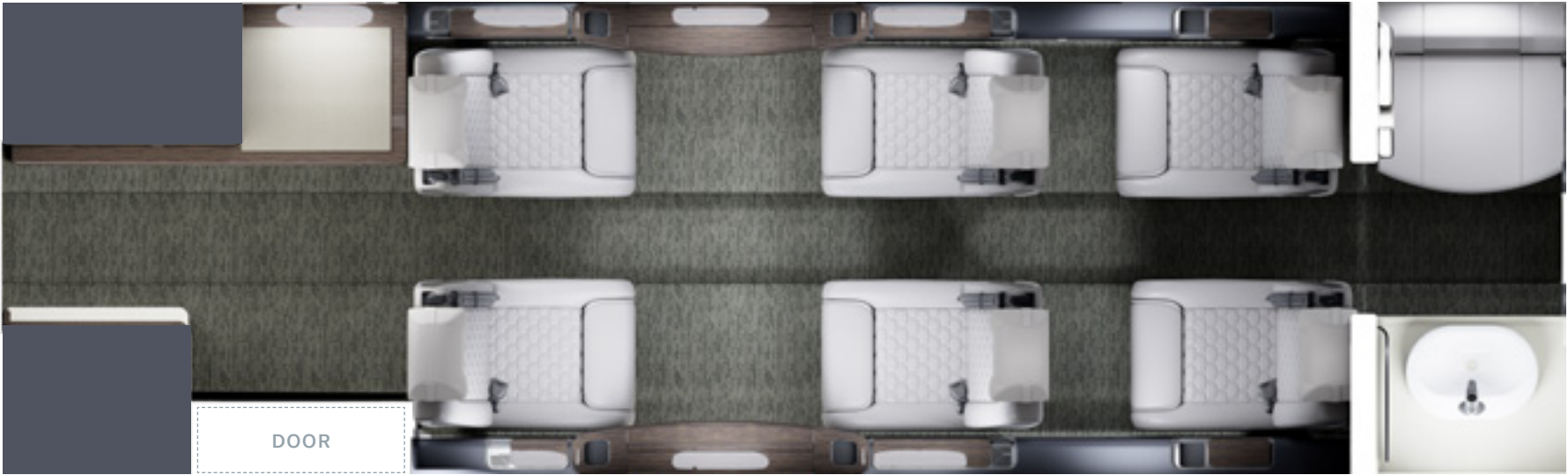
DIVAN CABIN LAYOUT

Optional belted lavatory, two-place divan and left-hand refreshment center (Max. 10 passengers)



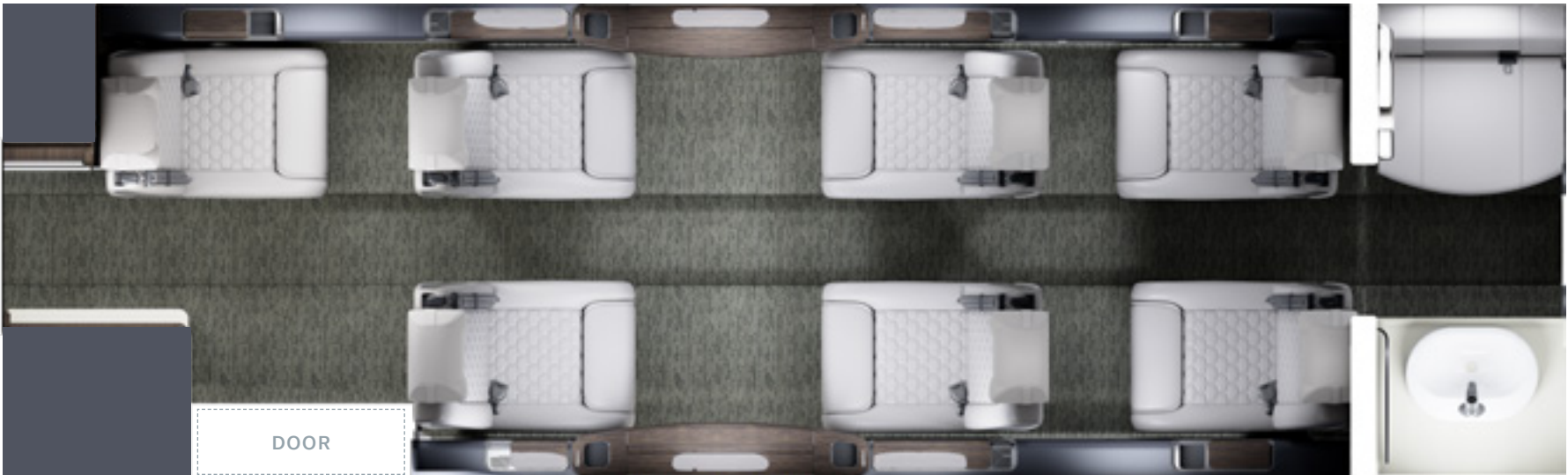
BASELINE CABIN LAYOUT

Standard configuration with right-hand refreshment center and wardrobe (Max. 7 passengers)



7th SEAT CABIN LAYOUT

Optional belted lavatory, seventh seat, right-hand refreshment center and wardrobe (Max. 9 passengers)



◀ Flight direction

COMFORT AND CONVENIENCE AT ITS FINEST

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



BELTED VACUUM LAVATORY



Externally serviced odorless vacuum lavatory.

7th SEAT AND REFRESHMENT CENTER



TWO-PLACE DIVAN



EXTENDED RIGHT-HAND REFRESHMENT CENTER



Baseline layout

Enjoy flexible dining with a redesigned refreshment center, equipped with a retractable tray, high-powered outlet, and compartment able to accommodate your preferred hot beverage machine.

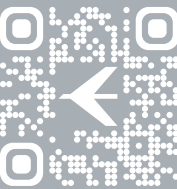
LEFT-HAND REFRESHMENT CENTER



Flexibility for off-the-shelf equipment*

ENJOY IT YOUR WAY

The Phenom 300EV 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.

BASELINE 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 300EV, the world’s fastest and furthest-flying light jet—evolved with intuitive safety technology for operational ease; 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 300EV

Category: Light	Max. occupants: 11	Speed: M 0.80
Range: 2,055 nautical miles (5 occupants, NBAA reserves)		

The Phenom 300EV is a bold evolution of the world’s fastest and furthest-flying light jet, featuring intuitive safety technology, including Garmin® Emergency Autoland, Runway Overrun Awareness and Alerting System (ROAAS) 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

