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PHENOM[®] 100 EV

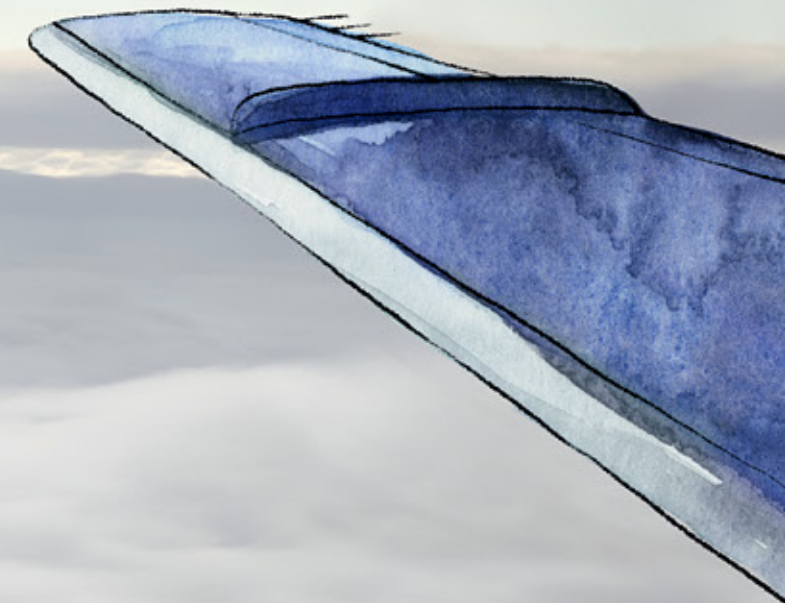
B Y E M B R A E R



CHALLENGE.
CREATE.
OUTPERFORM.



ENJOY EVERY MOMENT
OF YOUR JOURNEY.



FLYING IS A MARVEL
THAT CAN BE CONSTANTLY IMPROVED UPON.



CHALLENGING THE STATUS QUO.

Our approach to challenging the status quo is expressed in three words: Challenge. Create. Outperform.

Simply put, we take on our customers challenges and create innovative solutions that help them outperform.

When we announced in 2005 that we were embarking on the development of a new-generation entry-level business jet, we knew we had a tremendous opportunity. Our goal was to bring forth innovative solutions that would redefine the standard for both performance and comfort and offer advanced technologies, from the flight deck to the cabin, that previously were found only on much larger, more expensive jets.

We begin each mission with certain advantages, including a nearly 50-year heritage as the manufacturer of exceptional commercial and military aircraft; an intrepid entrepreneurial spirit; bold Brazilian roots; and an intense drive to build

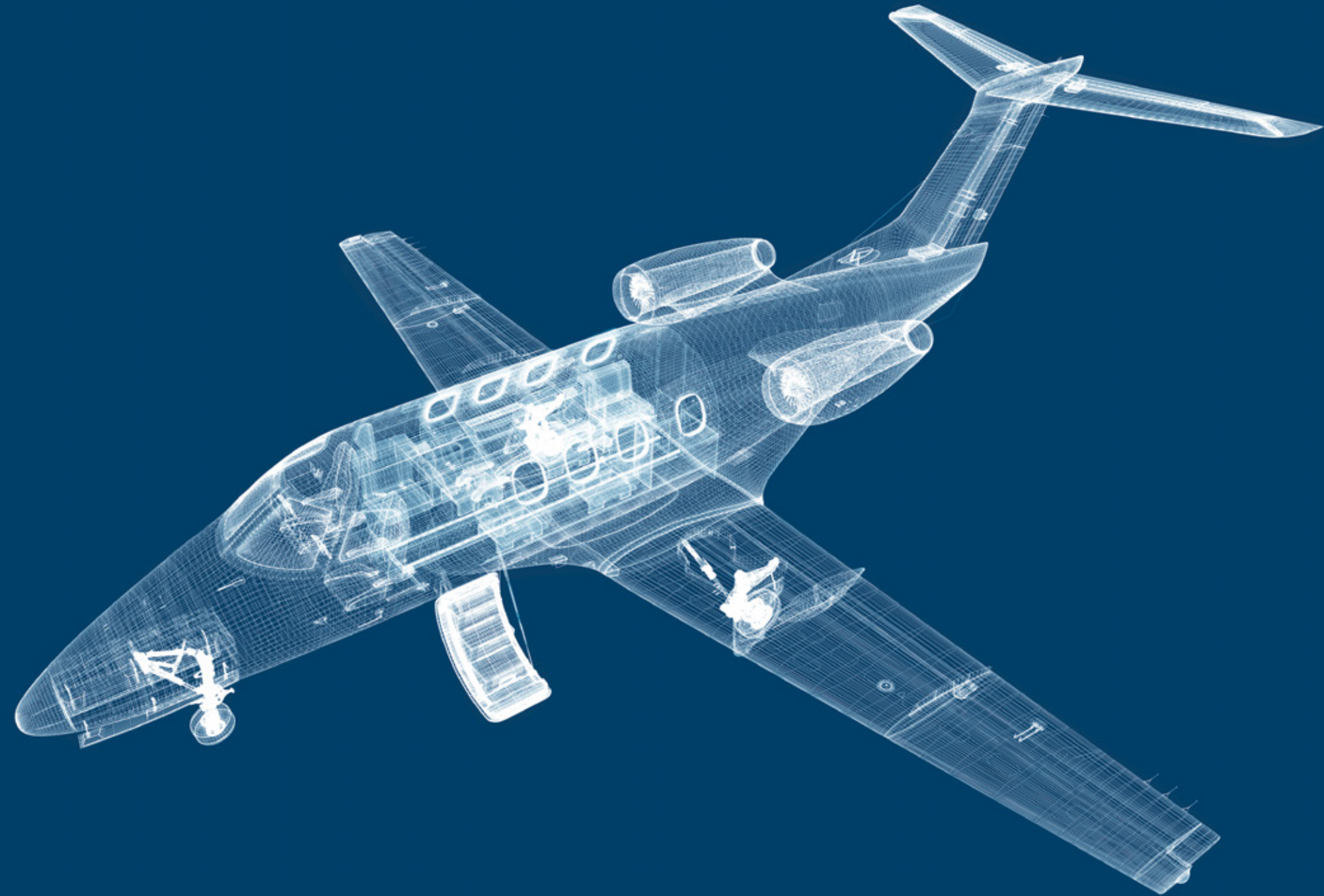
some of the most innovative jets in business aviation. We also have another distinct advantage: the belief that it's amazing what's possible when you assume everything is possible. A similar mindset was prevalent during the Space Age, an era defined by rapid advances in technology and the creation of the United States' space program. Therefore, it's quite fitting that today Embraer's growing business jet production facilities, global customer center and first U.S.-based engineering and technology center are all located on Florida's Space Coast. A company whose philosophy embodies a dynamic spirit of innovation is right at home in the place where rockets and space shuttles have soared into the sky for decades.

Our extraordinary Phenom 100EV platform was born from a culture of politely challenging almost everything. It's truly a product of rethinking convention. And our customers are reaping the benefits. ←



Global Customer Center in Melbourne, FL, USA





AMAZING THINGS HAPPEN WHEN YOU'RE BOUND ONLY BY PHYSICS.

As members of The Clean Sheet Club, we get to start from scratch. With fresh eyes. No assumptions. No preconceptions. No compromises. And no existing airframe dictating boundaries.

There are no rules except the laws of physics. And we even push those a bit. As a result, we can pull out all of our wish lists, especially the ones our customers have.

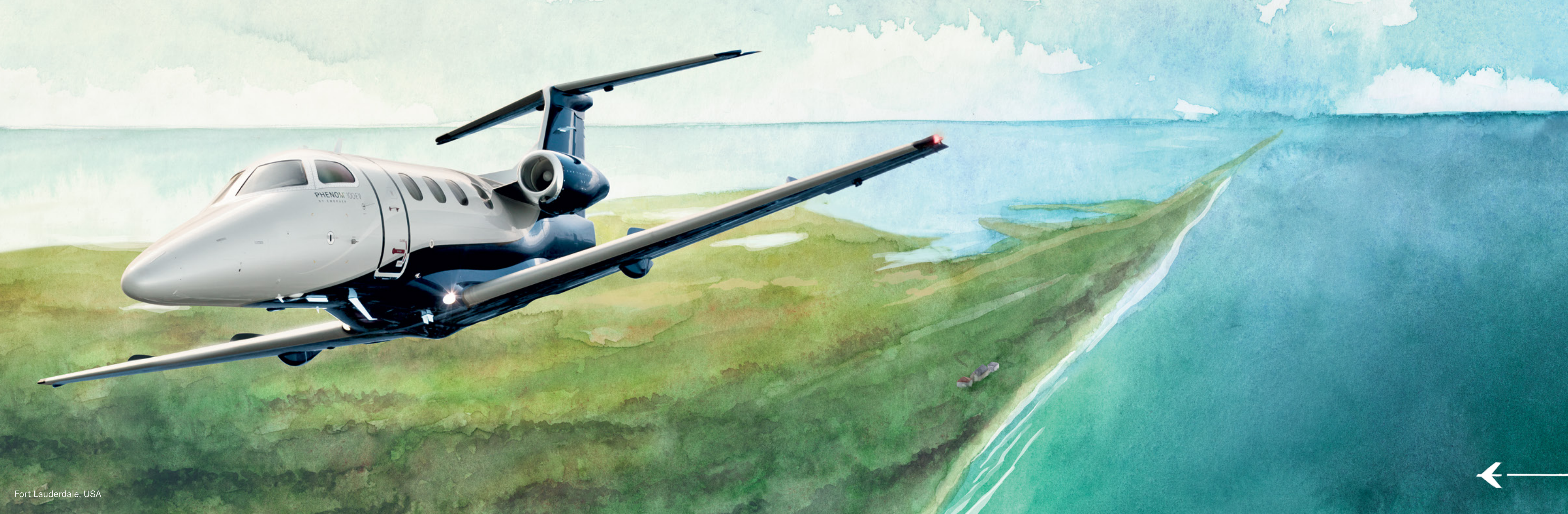
This is an approach that has served us – and business aviation – very well. Over the course of 10 years, Embraer has certified not just one, but four clean-sheet business jet designs. In the process, we significantly elevated

the standards for nearly every business jet category. And entirely redefined the kind of quality, luxury and performance business jets could deliver.

Our Phenom 100EV – one of the most disruptive entry-level jets ever designed – is truly the product of boundless imagination, intelligent engineering and bold ambition. In this breakthrough aircraft, we've reimaged every system and tapped into the best technologies.

Good demonstrations, we think, of challenging, creating and outperforming. ←





THE ULTIMATE FIRST IMPRESSION.

Strong. Sleek. Assertive. This fierce-looking jet never fails to turn heads. Its eye-catching nose is immediately recognizable, and its high stance makes a powerful statement. Boasting a dominating ramp presence unlike any other, the Phenom 100EV is a true force to be reckoned with. The attraction is undeniable. And the feeling, absolutely unforgettable. ←



MAKING A GRAND ENTRANCE.

Beautifully complementing the segment's largest entrance door, the Phenom 100EV's exclusive airstair – complete with handrail and optional LED step lighting – provides an impressive entryway to this phenomenal aircraft, while the largest-in-class refreshment center immediately greets passengers with gracious, elegant hospitality. ←



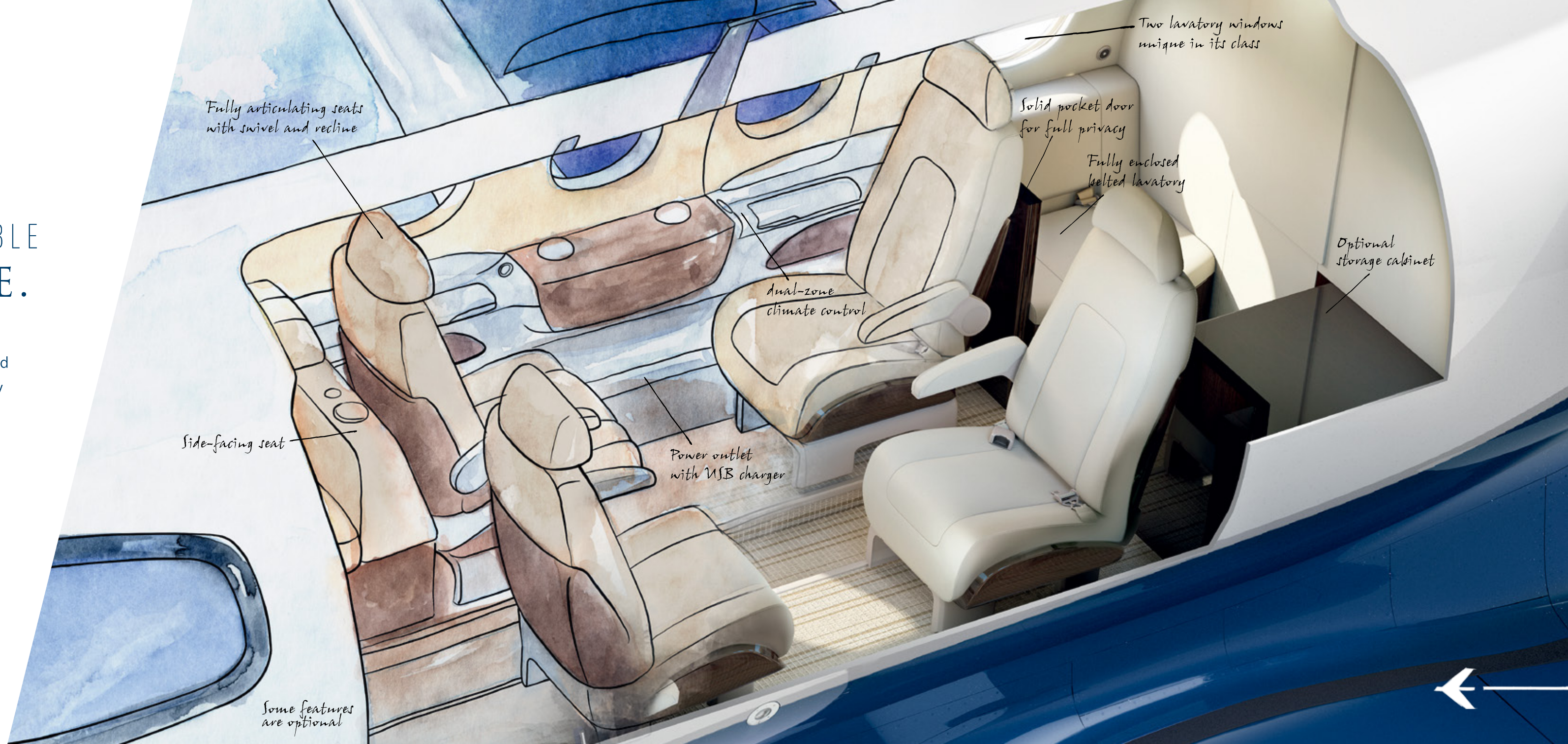
THE PERFECT SETTING.

The Phenom 100EV's impressive cabin altitude, brilliant OvalLite™ cabin design and abundance of space is ideal for working or relaxing. ←



AN INCREDIBLE NOTION OF SPACE.

Every inch of the Phenom 100EV has been intelligently designed to offer unprecedented space. The exclusive Oval Lite® cabin provides the most headroom and legroom of any entry-level jet, while oversize windows – the largest in the category – bathe the cabin in abundant natural light. The cabin's stowable tables offer plenty of room for working or dining, and with the segment's most generous baggage capacity, you can bring along everything you need every time you fly aboard this incredible aircraft. ←





COMFORT AND CONVENIENCE
AT ITS FINEST.





INNOVATION BY DESIGN.

Embraer Design DNA is the strategic design philosophy that guides our business jet innovation path. Its purpose is clear: create distinguishable elements with a sustainable product evolution; build upon proven solutions; increase maturity and quality over time; and optimize costs and resources among platforms through discernible features and timeless design. To that end, future technologies and interfaces are continuously adapted and translated into the Embraer Design DNA vision, providing not just advanced comfort, style and connectivity, but also unbeatable value for customers. ←





EFFORTLESS COMFORT AND STYLE.

With an impressively spacious cabin, two distinct temperature zones for superior pilot and passenger comfort and 11 custom interior themes tailored to your taste, the Phenom 100EV allows you to travel the world in unsurpassed comfort and style. A fully enclosed rear lavatory with windows – exclusive in its class – offers total privacy, while articulating club seating, exceptional stowage space and flexible interior configurations offer ample amenities to suit your mission. ←





TAILORED SOPHISTICATION.
CUSTOM STYLING.



A PERFECT UNION OF TECHNOLOGY AND ERGONOMICS.

Down to its very last detail, the Phenom 100EV has been meticulously engineered to deliver advanced technology and unparalleled ergonomics. Boasting intelligent automation and a human factors-driven design, the aircraft offers easy, single-pilot operation plus enhanced capabilities. Its state-of-the-art, touch-controlled flight deck is designed to anticipate every need, minimize workload and increase situational awareness.

The Synthetic Vision System sees what the eyes can't. Graphical flight planning, SurfaceWatch™, vertical navigation, windshear alerting and weather radar with vertical scan, ground clutter suppression and turbulence detection provide even more situational awareness. And the design of the aircraft's synoptic screens and Prodigy Touch avionics - based on Garmin 3000 - create an instinctive interface between pilot and aircraft. ←



BETTER PERFORMANCE.
MORE DESTINATIONS.



Angra dos Reis / Brazil



Paris / France



West Palm Beach / USA



Saint-Tropez / France



Aspen / USA



Toluca / Mexico



OPENING UP A WORLD OF POSSIBILITIES.

When it comes to outperforming, the Phenom 100EV leads the way. Its nonstop range is 1,178 nm. An impressive reach. Plus, with a high-speed cruise of 406 kts, it is one of the fastest jets in its category. Yet, this aircraft still has similar operating costs to a turboprop.

The Phenom 100EV also extends your domain in other ways. The aircraft can take off at MTOW in just 3,190 feet (SL, ISA) and delivers superior hot-and-high performance, giving you direct access to many desirable destinations.

Combining the performance of a jet with the economics of a turboprop, the Phenom 100EV demonstrates its ability to transcend the perceptions of what an entry-level jet can do. Proof of just how far you can go with an approach that begins by rethinking everything. ←

Range: LRC, 4 occupants at 200 lb each,
NBAA IFR reserves with 100 nm alternate, ISA



KEEPING YOU ON YOUR JOURNEY.

Built for high utilization, the Phenom 100EV delivers outstanding dispatch reliability, simple maintenance and an extraordinarily low operating cost. The fully integrated Central Maintenance Computer reduces downtime and enables innovative customer support; the easily accessible baggage compartment and fuel port facilitate low turnaround times; and a low-intervention MSG-3 maintenance philosophy, coupled with a 35,000-hour economic life, make the aircraft as easy to maintain as it is to operate.

And wherever your journey may take you, Embraer's No. 1-ranked product support team will be there to ensure you enjoy an optimal experience aboard your aircraft. Our priority is to provide you with the best possible support, exceeding your expectations whenever and wherever you fly.

Embraer's global support network includes strategically located centers and highly trained technicians to guarantee the best quality of service. The network extends across more than 70 owned and authorized service centers worldwide, giving you total confidence every time you fly. And our dedicated Customer Support Contact Center, staffed with qualified technicians, offers worldwide support 24/7. ←





ENVIRONMENTAL RESPONSIBILITY.

Embraer invests in sustainable technologies and contributes to the long-term development of its surrounding communities.

As a result, the Phenom 100EV is equipped with remarkably powerful yet efficient engines, which offer a reduced noise footprint as well as better fuel burn and fewer emissions.

Embraer has also collaborated with Boeing to open a joint biofuel research center in São José dos Campos, Brazil, and recently performed joint tests as part of the ecoDemonstrator Program – a research initiative using specially modified aircraft to develop and test aviation technologies aimed at reducing carbon emissions, fuel consumption and noise.

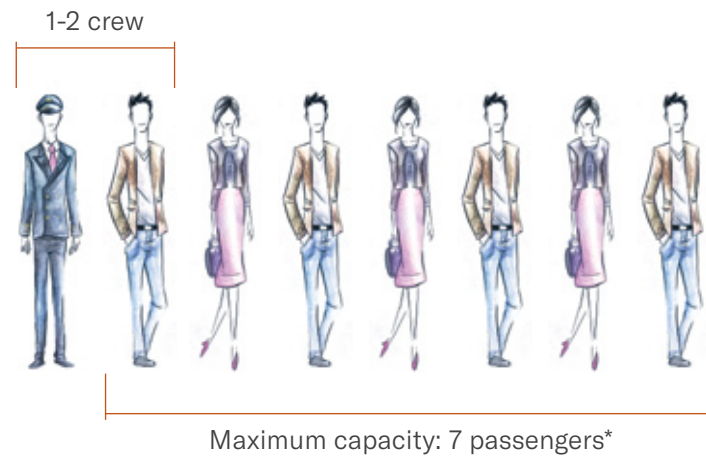
In addition to its environmental activities, Embraer seeks to positively transform its local communities and develop future leaders both through the Embraer Institute in Brazil, which offers quality education for low-income students, and the U.S.-based Embraer Foundation. ←



SPECIFICATIONS.

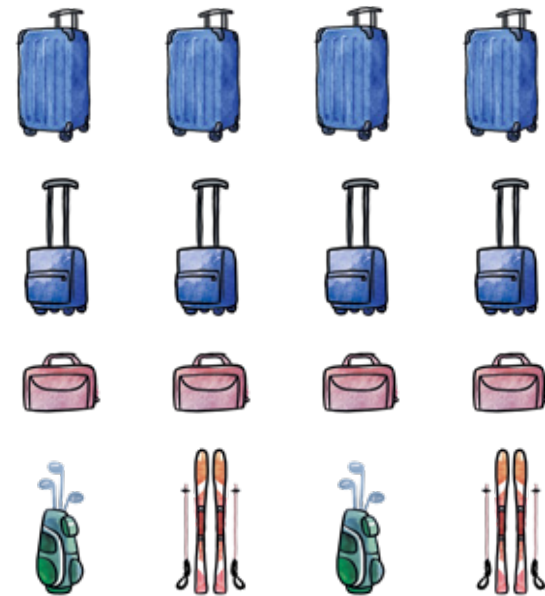
We designed the Phenom 100EV with innovation as our guide. This new level of style, luxury and technology combine to create the ultimate travel experience. ←

SEATING CONFIGURATION

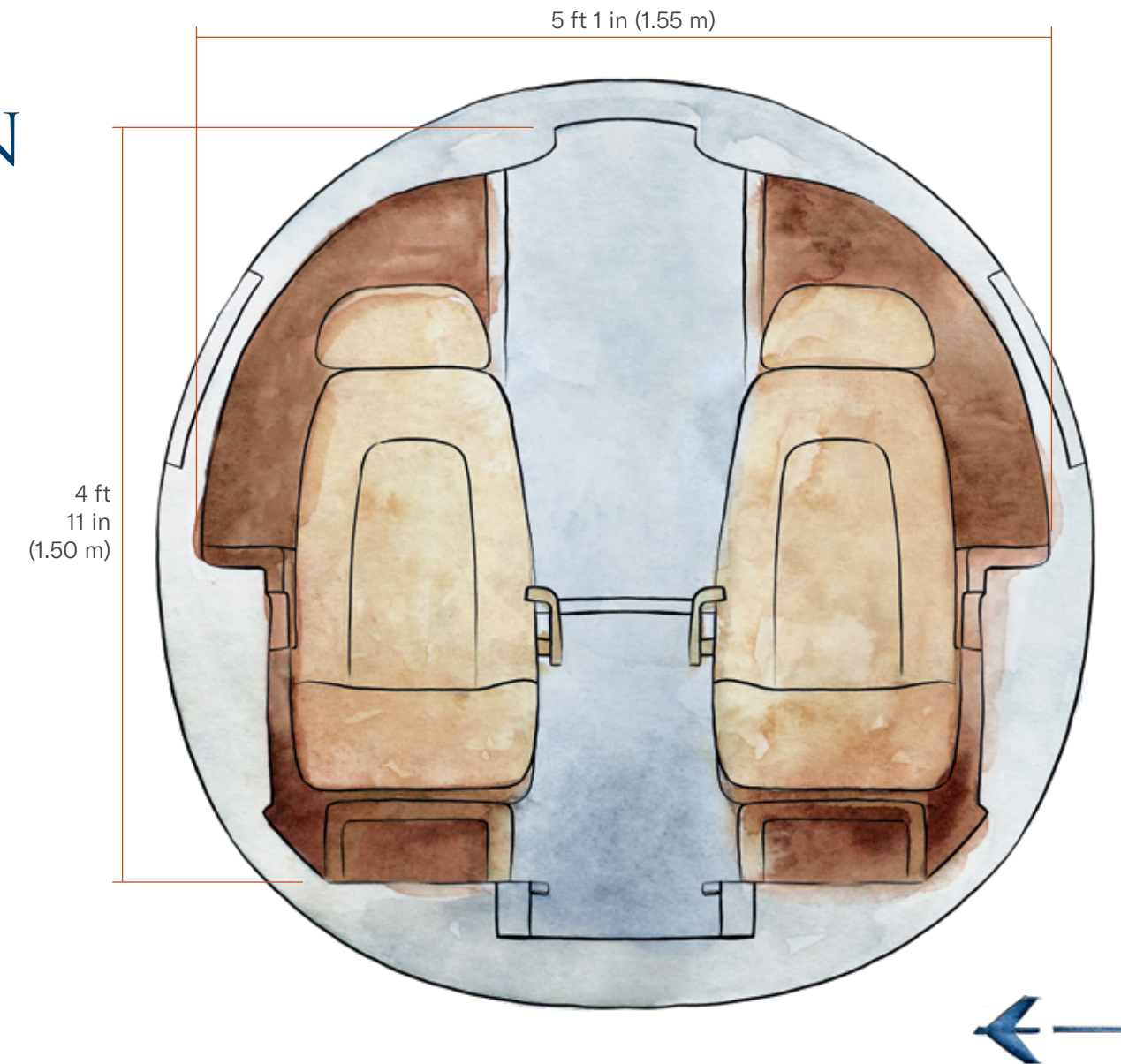
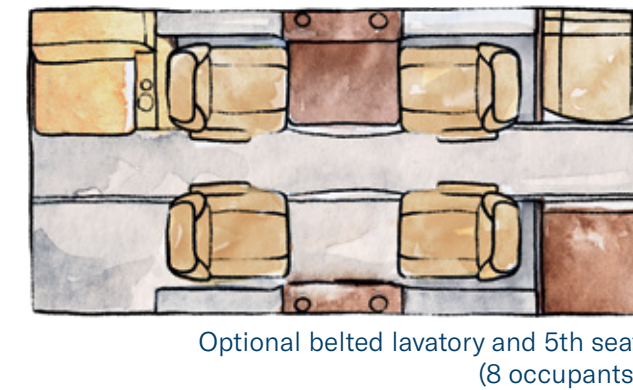
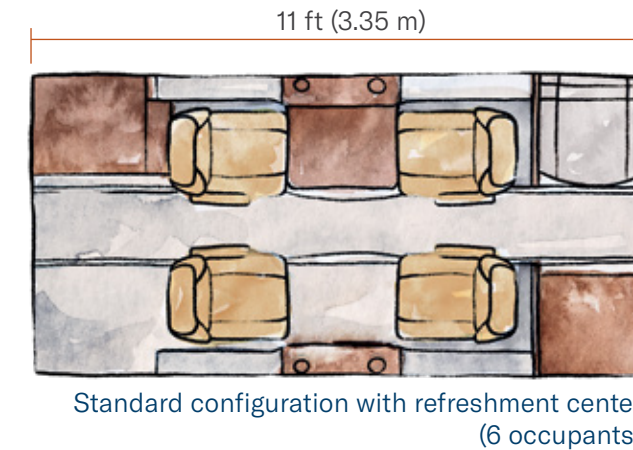


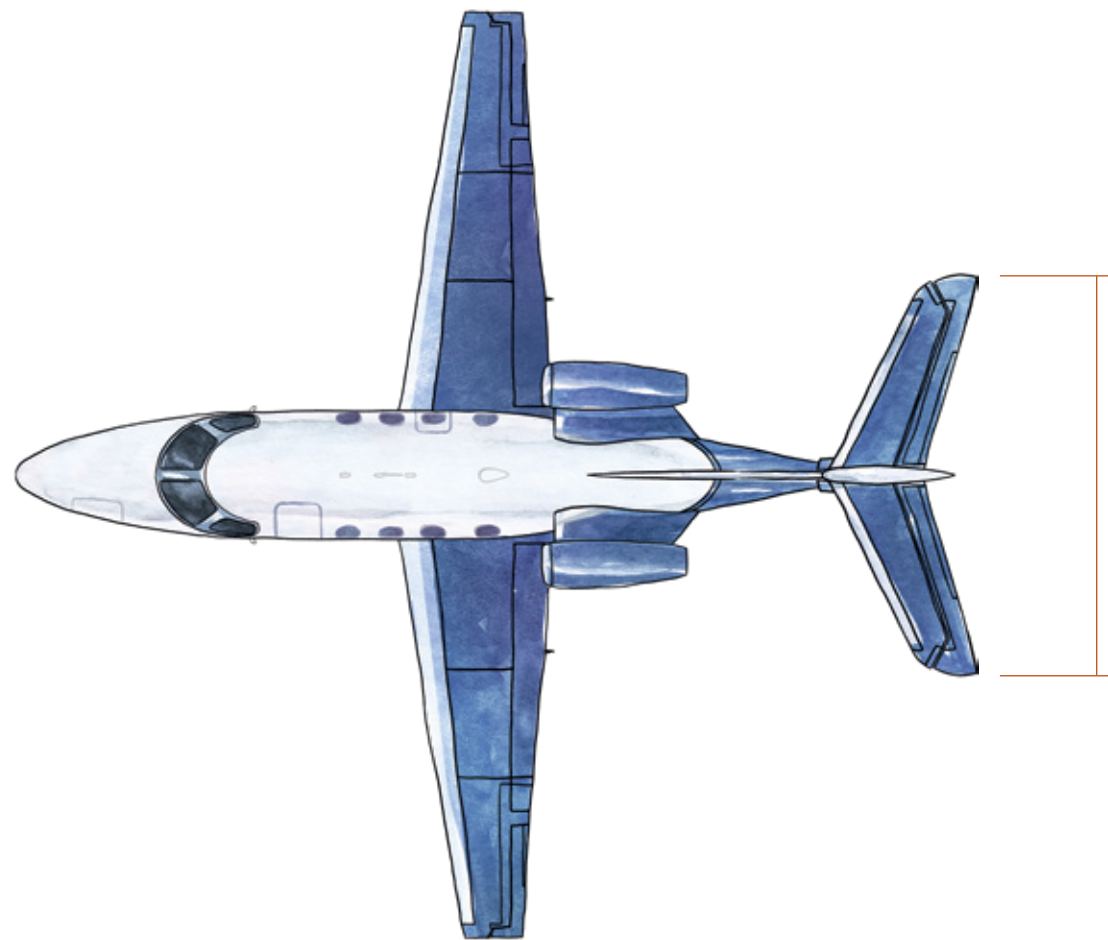
*Considering single-pilot operation and use of co-pilot seat, optional belted lavatory and optional 5th seat

BAGGAGE AND STOWAGE VOLUME 70 ft³ / 1.98 m³



EXCLUSIVE OVAL LITE[®] CABIN





17 ft 6 in
(5.34 m)



40 ft 4 in (12.30 m)



14 ft 3 in
(4.35 m)

42 ft 1 in (12.82 m)

HIGH-SPEED CRUISE
406 kt / 752 km/h

M_{MO}
M 0.70

TAKEOFF DISTANCE (MTOW, SL, ISA)
3,190 ft / 972 m

UNFACTORED LANDING DISTANCE
(4 occupants at 200 lb each, NBAA IFR reserves, SL, ISA)
2,430 ft / 741 m

PROPULSION
Pratt & Whitney PW617F1-E

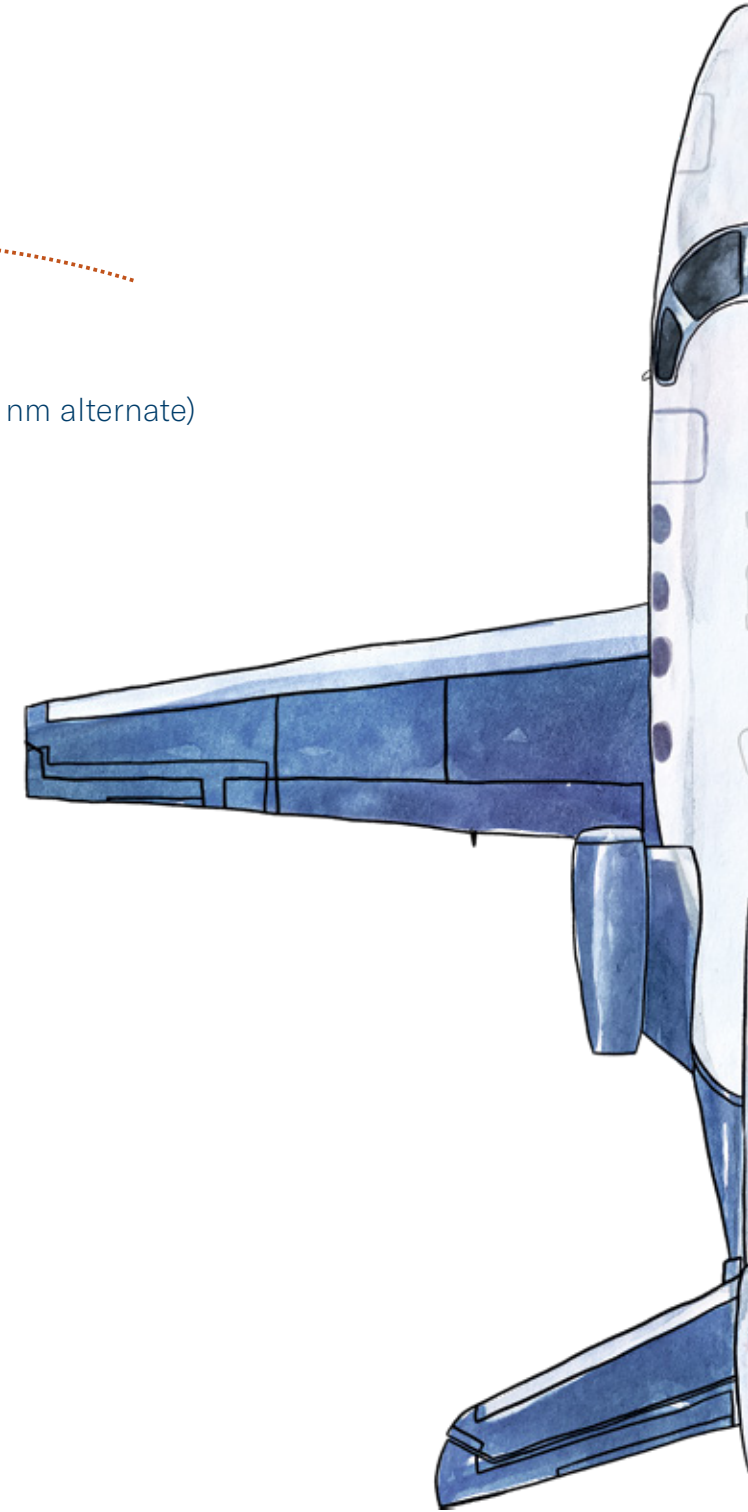
ENGINE THRUST / FLAT RATING
1,730 lb_f / ISA + 8°C

MAXIMUM PAYLOAD
1,775 lb / 805 kg

MAXIMUM OPERATING ALTITUDE
41,000 ft / 12,497 m



RANGE / 4 OCCUPANTS
(LRC, NBAA IFR reserves with 100 nm alternate)
1,178 nm / 2,182 km





EMBRAER'S FULL PORTFOLIO OF BUSINESS JETS

LATIN AMERICA
Tel.: +55 11 3040 8432

U.S., CANADA & CARIBBEAN
Tel.: +1 321 751 5050

EUROPE, CIS & AFRICA
Tel.: +44 1252 379 270

MIDDLE EAST
Tel.: +971 4 568 3743





ASIA PACIFIC
Tel.: +65 6734 4321

CHINA
Tel.: +86 10 6598 9988



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THE EMBRAER PORTFOLIO OF BUSINESS JETS

	SEATING CONFIGURATION	PERFORMANCE:	ENGINES:	AVIONICS:	CABIN HIGHLIGHTS:	TECHNOLOGY HIGHLIGHTS:		
 <p>PHENOM[®] 100 EV BY EMBRAER</p>	occupants: 6/8	Range (4 occupants, NBAA reserves): 1,178 nm High-speed cruise: 406 ktas M _{MO} : M 0.70 Max. operating altitude: 41,000ft Takeoff field length (MTOW, SL, ISA): 3,190 ft	Pratt & Whitney - PW617F1-E / 1,730 lb _f	Prodigy Touch Flight Deck (G3000)	More leg and head space with Oval Lite [®] cross section cabin design Largest windows in class Refreshment center	Fully enclosed aft lavatory Largest baggage compartment in class Airstair with handrail and optional step lighting	Clean-sheet design Single-pilot operation Synthetic vision system Synoptic views for main aircraft systems Central maintenance computer	LED lighting Trailing link landing gear Brake-by-wire with antiskid 35,000-hour economic life Low operating cost
 <p>PHENOM[®] 300 E BY EMBRAER</p>	occupants: 8/11	Range (5 occupants, NBAA reserves): 2,010 nm High-speed cruise: 464 ktas M _{MO} : M 0.80 Max. operating altitude: 45,000 ft Takeoff field length (MTOW, SL, ISA): 3,209 ft	Pratt & Whitney - PW535E1 / 3,478 lb _f	Prodigy Touch Flight Deck (G3000)	More leg and head space with Oval Lite [®] cross section cabin design Largest windows and refreshment center in class	Choice of multiple cabin configurations Generous baggage compartment Airstair with handrail and optional step lighting In-flight entertainment system (IFE) that's compatible with portable electronic devices	Clean-sheet design Single-pilot operation Externally serviced lavatory Airline-like single-point refueling Synthetic vision system Synoptic views for main aircraft systems	Runway overrun awareness and alerting system Central maintenance computer LED lighting Brake-by-wire with antiskid 35,000-hour economic life Low operating cost Steep-approach capability
 <p>PRAETOR 500 BY EMBRAER</p>	crew+standard pax / max. pax: 2+7/9	Range (4 pax, NBAA reserves): 3,340 nm High-speed cruise: 466 ktas M _{MO} : M 0.83 Max. operating altitude: 45,000 ft Takeoff field length (MTOW, SL, ISA): 4,222 ft	Honeywell - HTF7500E / 6,540 lb _f	Collins Aerospace Pro Line Fusion [®]	Stand-up cabin with flat floor Fully equipped wet galley Choice of multiple cabin configurations Unique connectivity: Gogo AVANCE L5 and Ka-band	In-flight entertainment system (IFE) that's compatible with portable electronic devices Vacuum toilet system Low cabin noise 5,800 ft cabin pressure at maximum cruise altitude	Full fly-by-wire controls with sidestick Enhanced vision system with head-up display Inertial system CDTI (ADS-B In functionalities)	Auto-throttle Synthetic vision system Low operating cost Steep-approach operation
 <p>PRAETOR 600 BY EMBRAER</p>	crew+standard pax / max. pax: 2+8/12	Range (4 pax, NBAA reserves): 4,018 nm High-speed cruise: 466 ktas M _{MO} : M 0.83 Max. operating altitude: 45,000 ft Takeoff field length (MTOW, SL, ISA): 4,717 ft	Honeywell - HTF7500E / 7,528 lb _f	Collins Aerospace Pro Line Fusion [®]	Stand-up cabin with flat floor Fully equipped wet galley Choice of multiple cabin configurations Unique connectivity: Gogo AVANCE L5 and Ka-band	In-flight entertainment system (IFE) that's compatible with portable electronic devices Vacuum toilet system Low cabin noise 5,800 ft cabin pressure at maximum cruise altitude	Full fly-by-wire controls with sidestick Enhanced vision system with head-up display Inertial system CDTI (ADS-B In functionalities)	Auto-throttle Synthetic vision system Low operating cost Steep-approach operation

Some features are optional.

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