ENJOY EVERY MOMENT
OF YOUR JOURNEY.
FLYING IS A MARVEL
THAT CAN BE CONSTANTLY IMPROVED UPON.
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 light 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; 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 trailblazing Phenom 300 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.
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 nearly 15 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 300 – the best-selling business jet in the world for four consecutive years – and our new Phenom 300E are truly the products of boundless imagination, intelligent engineering and bold ambition. In this breakthrough aircraft, we’ve reimagined every system. Tapped into the best technologies. And newly envisioned every component.

Good demonstrations, we think, of challenging, creating and outperforming.
Strong. Sleek. Assertive. This fierce-looking jet never fails to turn heads. Its eye-catching nose is immediately recognizable; its low, swept wing with winglets make a powerful statement; and its impressive airstair, complete with handrail and step lighting, creates a dramatic grand entrance. Boasting a dominating ramp presence unlike any other, the Phenom 300E is a true force to be reckoned with. The attraction is undeniable. And the feeling, absolutely unforgettable.
BEAUTIFULLY DESIGNED.

BRILLIANTLY ENGINEERED.
A SMOOTH, EXHILARATING JOURNEY.

The Phenom 300E’s cabin altitude of 6,600 feet - the lowest in its class - is ideal for working or relaxing.
Every inch of the Phenom 300E has been intelligently designed to offer unprecedented space. The exclusive Oval Lite® cabin provides the most head and legroom of any light jet, while oversize windows bathe the cabin in abundant natural light. Opening flush with the side ledge, the cabin’s stowable tables offer plenty of room for working or dining. And with the most generous baggage volume in its segment, you’ll be able to bring along everything you need every time you fly aboard this incredible aircraft.
Intelligent design is not built around the latest trends. Rather, it is the seamless integration of style, technology, quality and purposeful functionality. It’s about offering elegant solutions that beautifully and effortlessly serve you. This commitment to intelligent ergonomics and extraordinary craftsmanship is evident throughout the Phenom 300E’s exquisite design. Every inch of the meticulously appointed cabin is crafted to deliver unparalleled class and usability. Innovative technology is brought to the forefront with Embraer’s exclusive upper tech panel – complete with touch controls, downwash lighting, unique flush gaspers and optional drop-down monitor – and the addition of nice HD® by Lufthansa Technik, an advanced cabin control system that offers portable device integration and wireless audio/video streaming.

And for superior comfort and mobility, the Phenom 300E’s seats feature enhanced headrests, retractable armrests, adjustable thigh bolsters and custom stitching. The result: a highly sophisticated, luxurious and forward-thinking cabin environment designed to suit your every need.
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.
TAILORED SOPHISTICATION.
CUSTOM STYLING.
COMFORT AND CONVENIENCE
AT ITS FINEST.

Largest baggage compartment in its class
Externally serviced lavatory
The world’s largest, fastest, longest range single-pilot aircraft, the Phenom 300E not only boasts advanced capabilities, but also delivers the most sophisticated marriage of technology and ergonomics of any light business jet. Its state-of-the-art, touch-controlled flight deck is designed to anticipate every need, minimize workload and reduce pilot fatigue. 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 creates an instinctive interface between pilot and aircraft.
LONGER RANGE.
GREATER OPTIONS.
The Phenom 300E takes you farther, faster and to more places worldwide than any other light jet. Its nonstop range at long-range cruise speed is 1,971 nm. An impressive reach. And at its fastest, the aircraft can reach Mach 0.78.

The Phenom 300E also extends your domain in other ways. The light aircraft can take off at MTOW in just over 3,000 feet (SL, ISA) and delivers superior hot-and-high performance, giving you direct access to many desirable destinations.

With best-in-class speed, range and field performance, the Phenom 300E demonstrates its ability to transcend the perceptions of light jet capabilities. Proof of just how far you can go with an approach that begins by rethinking everything.

Range: LRC, 6 occupants at 200 lb each, NBAA IFR reserves with 100 nm alternate airport, SL, ISA
Built for high utilization, the Phenom 300E delivers outstanding dispatch reliability, simple maintenance and an extraordinarily low operating cost. High-tech SmartProbes™ and a fully integrated Central Maintenance Computer reduce downtime, while airline-like single-point refueling and the category’s first externally serviced lavatory offer easy operation and low turnaround times.

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

As a result, the Phenom 300E 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 300E with innovation as our guide. This new level of style, luxury and technology combine to create the ultimate travel experience.

**SEATING CONFIGURATION**

- 1-2 crew
- 10 maximum passengers*

*Considering single-pilot operation and use of co-pilot seat, optional belted lavatory and optional two-place divan

**BAGGAGE AND STOWAGE VOLUME**

84 ft³ / 2.4 m³

**Dimensions**

- 4 ft 11 in (1.50 m)
- 5 ft 1 in (1.55 m)

Optional belted lavatory, 7th seat and refreshment center (10 occupants)

Optional belted lavatory, two-place divan and refreshment center (11 occupants)
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range / 6 Occupants</td>
<td>1,971 nm / 3,650 km</td>
</tr>
<tr>
<td>HIGH-SPEED CRUISE</td>
<td>453 kt / 839 km/h</td>
</tr>
<tr>
<td>M/MO M 0.78</td>
<td></td>
</tr>
<tr>
<td>Takeoff Distance (MTOW, SL, ISA)</td>
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</tr>
<tr>
<td>Unfactored Landing Distance</td>
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<td>MAXIMUM PAYLOAD</td>
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<td>MAXIMUM OPERATING ALTITUDE</td>
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<td>Propulsion</td>
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**PHENOM 100 EV**

- **PERFORMANCE**: Range (8 occupants, NBAA reserves) 1,780 nm; High-speed cruise M 0.82; Range (8 pax, NBAA-B]) 2,339 nm
- **Max. operating altitude**: 41,000 ft
- **Max. takeoff weight**: 14,279 lb
- **Max. certified weight**: 11,717 lb
- **ENGINES**: Rolls Royce - AE3007A2 / 9,020 lb

**TECHNOLOGY HIGHLIGHTS**
- Steep-approach capability
- iPad EFB
- Synthetic vision system
- Autothrottle
- Intuitive interface with cursor control device
- Designed for high utilization and high availability
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**CABIN HIGHLIGHTS**
- Fully night-time operable with satellite entertainment system
- Optional enhanced cockpit display
- Fully night-time operable with satellite entertainment system
- Intuitive interface with cursor control device

**AVIONICS**
- Honeywell Primus Epic

**PERFORMANCE**
- Range (8 pax, NBAA reserve): 3,460 nm
- High-speed cruise M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 41,000 ft
- Max. certified weight: 11,717 lb
- Enthusiastic single-crew operation
- All-inclusive cursor control
- Designed for high utilization and high availability
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**CABIN HIGHLIGHTS**
- Fully night-time operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**PHENOM 300E**

- **PERFORMANCE**: Range (8 occupants, NBAA reserve) 1,870 nm; High-speed cruise M 0.78; Max. certified weight: 11,940 lb
- **Max. takeoff weight**: 14,000 lb
- **Max. operating altitude**: 45,000 ft
- **Max. takeoff weight**: 14,000 lb
- **Max. certified weight**: 11,940 lb
- **ENGINES**: General Electric - CF34-10E7-B / 18,500 lb

**TECHNOLOGY HIGHLIGHTS**
- Fly-by-wire technology
- Designed for high utilization and high availability
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**PERFORMANCE**
- Range (8 pax, NBAA reserve) 3,050 nm
- High-speed cruise M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 41,000 ft
- Max. certified weight: 11,717 lb
- Engine: General Electric - CFE768-AR / 6,000 lb

**CABIN HIGHLIGHTS**
- Full-night operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**PHENOM 400E**

- **PERFORMANCE**: Range (8 occupants, NBAA reserve) 2,060 nm; High-speed cruise M 0.81
- **Max. takeoff weight**: 14,279 lb
- **Max. operating altitude**: 45,000 ft
- **Max. certified weight**: 11,717 lb
- **ENGINES**: Honeywell - HT7500 / 7,065 lb

**TECHNOLOGY HIGHLIGHTS**
- Fully night-time operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**PERFORMANCE**
- Range (8 pax, NBAA reserve) 2,550 nm
- High-speed cruise M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 45,000 ft
- Max. certified weight: 11,717 lb
- Engine: Honeywell - HT9900 / 12,930 lb

**CABIN HIGHLIGHTS**
- Full-night operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**LEGACY 450**

- **PERFORMANCE**: Range (9 pax, NBAA reserve) 2,904 nm
- High-speed cruise: M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 41,000 ft
- Max. certified weight: 11,717 lb
- Engine: Honeywell - HT9900 / 12,930 lb

**TECHNOLOGY HIGHLIGHTS**
- Best cabin altitude (6,000 ft at max altitude)
- Low cabin noise

**AVIONICS**
- Rockwell Collins Pro Line Fusion

**PERFORMANCE**
- Range (9 pax, NBAA reserve) 4,600 nm
- High-speed cruise: M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 45,000 ft
- Max. certified weight: 11,717 lb
- Engine: Honeywell - HT9900 / 12,930 lb

**CABIN HIGHLIGHTS**
- Fully night-time operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**LEGACY 500**

- **PERFORMANCE**: Range (9 pax, NBAA reserve) 3,225 nm
- High-speed cruise: M 0.78
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 41,000 ft
- Max. certified weight: 11,717 lb
- Engine: Honeywell - HT7500 / 7,065 lb

**TECHNOLOGY HIGHLIGHTS**
- Full-night operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Rockwell Collins Pro Line Fusion

**PERFORMANCE**
- Range (8 pax, NBAA reserve) 1,980 nm
- High-speed cruise: M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 41,000 ft
- Max. certified weight: 11,717 lb
- Engine: Honeywell - HT9900 / 12,930 lb

**CABIN HIGHLIGHTS**
- Fully night-time operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**LEGACY 650E**

- **PERFORMANCE**: Range (10 pax, NBAA reserve) 3,950 nm
- High-speed cruise: M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 45,000 ft
- Max. certified weight: 11,717 lb
- Engine: Honeywell - HT9900 / 12,930 lb

**TECHNOLOGY HIGHLIGHTS**
- Fly-by-wire technology
- Designed for high utilization and high availability
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**PERFORMANCE**
- Range (11 pax, NBAA reserve) 6,800 nm
- High-speed cruise: M 0.82
- Max. takeoff weight: 14,279 lb
- Max. operating altitude: 45,000 ft
- Max. certified weight: 11,717 lb
- Engine: Honeywell - HT9900 / 12,930 lb

**CABIN HIGHLIGHTS**
- Fully night-time operable with satellite entertainment system
- Optional enhanced cockpit display
- Advanced synthetic vision system
- Queen-size bed (optional)
- Three lavatories and stand-up shower (optional)
- Five spacious cabin zones

**AVIONICS**
- Honeywell Primus Epic

**Lineage 1000E**