THE FORCE OF INNOVATION.
THE POWER OF SPEED.
Embraer has punctuated aviation history with disruptive moments of industry-leading progress and innovation. We live to Challenge. Create. Outperform.

We put this commanding philosophy into practice when we started exploring the business aviation market in 2000. We were passionate about bringing updated, 21st-century aircraft to the world of business jets. Our mission began with certain advantages – a history as the manufacturer of exceptional commercial and military aircraft.

We established new standards, bringing groundbreaking solutions in performance and comfort to the business jet market. An Embraer business jet offers advanced technologies – from the flight deck to the cabin – that previously were unseen in our business jet categories.

Embraer is a company whose philosophy embodies a dynamic spirit of innovation. The Space Age was characterized by the belief that anything is possible when you challenge the status quo. We are right at home in the place where rockets and space shuttles have soared into the sky for decades. This was an era defined by rapid advances in technology. It’s fitting that today Embraer’s growing executive jet production facilities, customer center and first engineering and technology center outside Brazil are located on Florida’s Space Coast.

Our disruptive Praetor 500 was born from this culture of pioneering invention. The word itself – Praetor – comes from the Latin root that means to go before, or to lead the way. The Praetor 500 is an aircraft in keeping with its name, a business jet that truly questions boundaries and challenges the convention.

An innovator dreams. An innovator dares. An innovator sees the limit and goes beyond it. In the 21st-century an innovator goes on missions that require access to unique places and challenging locations. As the world grows smaller with the ease of communication, the innovator needs to be there in person to take command. But to get there, the innovator needs the proper tools.

Meet the Praetor 500, the world’s most disruptive and technologically advanced midsize business jet, built for the innovators to take command.

The Praetor 500 disrupts the conventional notions of what a midsize business jet can do. This industry-leading aircraft is remarkably fast with incredible range. The Praetor 500 is capable of flying non-stop from New York to L.A., Miami to Seattle, San Francisco to Gander, Singapore to Beijing, or Dubai to Bangkok. With best-in-class speed, best-in-class range, and best-in-class cabin altitude, you will save time and feel fresh on arrival – ready to seize the day with more freedom to take command at more destinations.
When put to the test of long-distance flying, the Praetor 500 transcends perceptions and dominates the midsize category.

The industry-leading Praetor 500 is a true corner-to-corner aircraft, able to quickly span the continent of North America with a nonstop range at long-range cruise speed of 3,340 nm (6,186 km). With an impressive reach and maximum endurance of nearly eight hours, it is the only aircraft in its class – the fastest, too – that can reach Europe from the U.S. west coast in one stop.

The Praetor 500 extends your domain by allowing access to challenging airports. This disruptive aircraft can fly its maximum range from a 4,222-foot (1,287 m) runway and can operate from runways as short as 3,000 feet. On a 1,000 nm mission, the Praetor 500’s takeoff distance is an impressive 2,842 ft (867 m). This commanding performance capability gives you direct access to many more destinations, more experiences and more opportunities.

With best-in-class cabin altitude and range, the Praetor 500 embodies the pinnacle of comfort and performance on transcontinental missions. The Praetor 500 is the most disruptive midsize business aircraft in existence.
COMMANDING PERFORMANCE. ACCESS TO CHALLENGING AIRPORTS.
TAKE CHARGE WITH THE CAPABILITIES.
SKILFUL CRAFTSMANSHIP.

ERGONOMETRIC COMFORT.
METICULOUSLY FASHIONED.
INVIGORATING.

Carefully designed to meet all your needs on long flights, the Praetor 500's luxurious stone-floored, highly functional galley will impress you with options, from a refreshing drink to a nourishing meal. Comprehensively equipped with a microwave, conventional oven, refrigerator, coffee brewer, and beautiful crystal, china and silverware, the beautiful and functional galley makes your flight experience comfortable and fulfilling.

Some features are optional.
SUPERIOR CRAFTSMANSHIP AND MITICULOUS ATTENTION TO DETAIL ARE EVIDENT THROUGHOUT THE ELEGANTLY CONCEIVED SIX-FOOT-TALL FLAT-FLOOR CABIN — FROM THE FULLY RECLINING DESIGN OF THE SEATS WITH FULL BERTHING CAPABILITY TO THEIR OPTIMAL PLACEMENT BEIDE SPACIOUS WINDOWS.


FURTHERMORE, WITH THE MOST GENSEROUS BAGGAGE COMPARTMENT IN ITS SEGMENT AND A PRACTICAL AMOUNT OF INTERNAL STORAGE SPACE, YOU CAN BRING ALONG EVERYTHING YOU NEED EACH FLIGHT ABOARD THIS REMARKABLE AIRCRAFT. WHATSOEVER YOUR IN-FLIGHT DESIRES, THE PRAETOR 500’S CABIN WAS CREATED WITH YOUR COMFORT IN MIND TO BE BOTH FUNCTIONAL, LUXURIOUS AND SOPHISTICATED.
AN ULTRA-QUIET CABIN.

The ultra-quiet environment of the cabin is ideal for normal conversation, working or relaxing. To keep you fresh and rested, the Praetor 500 delivers the absolute best-in-class cabin altitude. While you are flying at 45,000 feet, you will feel like you are at 5,800 feet. That’s about half a mile below the altitude of Aspen. You will arrive feeling able-bodied and sharp, ready to take command.
DESIGNED FOR YOUR COMFORT.
FOR EITHER WORK OR REST.

State-of-the-art connectivity system
Sage AVANCE L5 and Ka-band

A practical amount of in-flight accessible baggage for more convenience
Largest baggage compartment in class for more travel flexibility

Fully flat berthable seats
Wi-Fi connectivity that is strong and reliable, just like home or the office. Exclusive to the category, Embraer equips the Praetor 500 with the very best in connectivity: Ka-band and Gogo AVANCE L5.

The aircraft’s Honeywell Ovation™ Select Cabin Management Suite provides full 1080P HD video streaming and immersive audio. Unique to Embraer business jets, the upper technology panel with touchscreen puts flight status information, ambient lighting and access to cabin controls directly at your fingertips.
The revolutionary, high-tech Rockwell Collins Pro Line Fusion® flight deck marries cutting-edge technology with ergonomics and provides an instinctive interface between pilot and aircraft for a safer, easier flight.

The dark and quiet cockpit reduces pilot fatigue and minimizes workload. This industry-leading aircraft also features a Synthetic Vision System to see what the human eyes can't discern for safer takeoff, landing and in-flight operations. Enhanced Vision and Head-Up Display (HUD) extends situational awareness.

The Praetor 500’s full fly-by-wire with side-stick controls reduces pilot workload and provides a safer, smoother flight experience with its active turbulence reduction capability while enabling access to more airports and easier maintenance than manual flight controls.

Revolutionary, industry-leading technology combined with superior flight deck ergonomics make this aircraft a dream to fly.
YOUR DREAM
FLIGHT DECK.
SPEED. PERFORMANCE. INNOVATION:
THE TECHNICAL SPECIFICATIONS.

The disruptive Praetor 500 crosses continents at best-in-class speed, leading the way in performance, technology, and comfort for the midsize business jet. The precise union of style, power, and technology create a sophisticated travel experience.

SEATING CONFIGURATION

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<tr>
<th>Crew</th>
<th>Passengers</th>
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<tr>
<td>2</td>
<td>*Max: 9</td>
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Maximum capacity: 9 passengers

*Considering optional belted lavatory, side-facing seat and optional double divan

MAXIMUM BAGGAGE AND STOWAGE VOLUME

150 ft³ / 4.25 m³

Two club seats, two single seats, and belted lavatory seat (Max: 8 passengers)

Two club seats, three single seats, and belted lavatory seat (Max: 8 passengers)

Two club seats, two single seats, one side-facing seat, and belted lavatory seat (Max: 8 passengers)

Two club seats, two single seats, two place divan, and belted lavatory seat (Max: 9 passengers)

Standard capacity: 7 passengers
HIGH SPEED CRUISE
466 ktas / 863 km/h

M_{\infty}
M 0.83

TAKEOFF DISTANCE (MTOW, SL, ISA)
4,222 ft / 1,287 m

UNFACTORED LANDING DISTANCE
(0.9 with 4 passengers at 200 lb each, NBAA IFR reserves, SL, ISA)
2,086 ft / 636 m

PROPULSION
Honeywell HTF7500E

ENGINE THRUST / FLAT RATING
6,540 lbf / ISA + 18ºC

MAXIMUM PAYLOAD
2,921 lb / 1,325 kg

MAXIMUM OPERATING ALTITUDE
45,000 ft / 13,716 m

RANGE / 4 PASSENGERS
(LRC, NBAA IFR reserves with 200 nm alternate airport)
3,340 nm / 6,186 km
Peace-of-mind maintenance starts with our MSG-3 easily serviceable design philosophy, which means that the aircraft is on the ground at coordinated intervals for less routine maintenance. Less routine work means that you have more flight time, for either work or pleasure. Fly in total confidence.

And when you need help, we are here. Embraer Executive Jets’ top-ranked global Customer Support and Services team is dedicated to ensuring you enjoy an optimal experience aboard your business jet. Our priority is to provide you with the best possible support, exceeding your expectations, whenever and wherever you fly.

Our dedicated Customer Support Contact Center, staffed with qualified technicians, offers worldwide support 24 hours a day, seven days a week. Our network includes over 70 owned and authorized service centers worldwide and a field service fleet that delivers parts and maintenance, wherever you are.

Embraer Executive Jets’ global support network includes strategically located centers and highly trained technicians to ensure the best quality of service to keep you in the air, on your journey.
At Embraer, we invest in sustainable technologies and contribute to the long-term development of communities where we are located.

As a result, the Praetor 500 is equipped with the quietest and most efficient engines in the market, along with new technology for lower emissions. Embraer has recently collaborated with Boeing to perform joint tests as part of the ecoDemonstrator program.

In addition to its environmental activities, Embraer seeks to positively transform surrounding communities and develop future Brazilian leaders through the Embraer Institute, which offers quality education for low-income students.

Embraer Foundation is a United States based nonprofit organization that invests in partnerships in the communities where Embraer operates. Motivated by innovation, the Foundation strives for social and environmental development through community engagement and educational projects.
**PHENOM 100EV**

- PERFORMANCE: Range (Type A, MA 95% max): 917 nmi with MTOW of 10,500 lb
- ENGINES: Rockwell Collins Pro Line Fusion®
- MM: 0.83
- MMO: 0.80
- HIGH-SPEED CRUISE: 453 ktas
- RANGE: 1,178 nm (4 occupants, NBAA reserve)
- CARGO: 800 lb
- OFFICE: 200 lb
- MAX. PAYLOAD: 400 lb
- MAX. CARRYABLE FUEL: 600 lb
- MAX. OPERATING ALTITUDE: 45,000 ft
-OPERATING COST: $1.17 per ASH

**PHENOM 300E**

- PERFORMANCE: Range (Type B, MA 95% max): 1,971 nmi with MTOW of 17,000 lb
- ENGINES: Rockwell Collins Pro Line Fusion®
- MM: 0.83
- MMO: 0.80
- HIGH-SPEED CRUISE: 453 ktas
- RANGE: 1,971 nm (4 occupants, NBAA reserve)
- CARGO: 800 lb
- OFFICE: 200 lb
- MAX. PAYLOAD: 400 lb
- MAX. CARRYABLE FUEL: 600 lb
- MAX. OPERATING ALTITUDE: 45,000 ft
-OPERATING COST: $1.17 per ASH

**LEGACY 450**

- PERFORMANCE: Range (Type A, MA 95% max): 2,904 nmi with MTOW of 13,000 lb
- ENGINES: Rockwell Collins Pro Line Fusion®
- MM: 0.83
- MMO: 0.80
- HIGH-SPEED CRUISE: 453 ktas
- RANGE: 2,904 nm (4 pax, NBAA reserves)
- CARGO: 800 lb
- OFFICE: 200 lb
- MAX. PAYLOAD: 400 lb
- MAX. CARRYABLE FUEL: 600 lb
- MAX. OPERATING ALTITUDE: 45,000 ft
-OPERATING COST: $1.17 per ASH

**LEGACY 500**

- PERFORMANCE: Range (Type B, MA 95% max): 3,340 nmi with MTOW of 18,000 lb
- ENGINES: Rockwell Collins Pro Line Fusion®
- MM: 0.83
- MMO: 0.80
- HIGH-SPEED CRUISE: 453 ktas
- RANGE: 3,340 nm (4 occupants, NBAA reserve)
- CARGO: 800 lb
- OFFICE: 200 lb
- MAX. PAYLOAD: 400 lb
- MAX. CARRYABLE FUEL: 600 lb
- MAX. OPERATING ALTITUDE: 45,000 ft
-OPERATING COST: $1.17 per ASH

**PRATETOR 500**

- PERFORMANCE: Range (Type A, MA 95% max): 4,018 nmi with MTOW of 15,000 lb
- ENGINES: Rockwell Collins Pro Line Fusion®
- MM: 0.83
- MMO: 0.80
- HIGH-SPEED CRUISE: 453 ktas
- RANGE: 4,018 nm (4 pax, NBAA reserves)
- CARGO: 800 lb
- OFFICE: 200 lb
- MAX. PAYLOAD: 400 lb
- MAX. CARRYABLE FUEL: 600 lb
- MAX. OPERATING ALTITUDE: 45,000 ft
-OPERATING COST: $1.17 per ASH

**PRATETOR 600**

- PERFORMANCE: Range (Type B, MA 95% max): 4,600 nmi with MTOW of 20,000 lb
- ENGINES: Rockwell Collins Pro Line Fusion®
- MM: 0.83
- MMO: 0.80
- HIGH-SPEED CRUISE: 453 ktas
- RANGE: 4,600 nm (8 pax, NBAA reserves)
- CARGO: 800 lb
- OFFICE: 200 lb
- MAX. PAYLOAD: 400 lb
- MAX. CARRYABLE FUEL: 600 lb
- MAX. OPERATING ALTITUDE: 45,000 ft
-OPERATING COST: $1.17 per ASH

**LINEAGE 1000E**

- PERFORMANCE: Range (Type A, MA 95% max): 7,036 nmi with MTOW of 30,000 lb
- ENGINES: Honeywell HTF7500E
- MM: 0.83
- MMO: 0.80
- HIGH-SPEED CRUISE: 453 ktas
- RANGE: 7,036 nm (8 pax, NBAA reserves)
- CARGO: 800 lb
- OFFICE: 200 lb
- MAX. PAYLOAD: 400 lb
- MAX. CARRYABLE FUEL: 600 lb
- MAX. OPERATING ALTITUDE: 45,000 ft
-OPERATING COST: $1.17 per ASH

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