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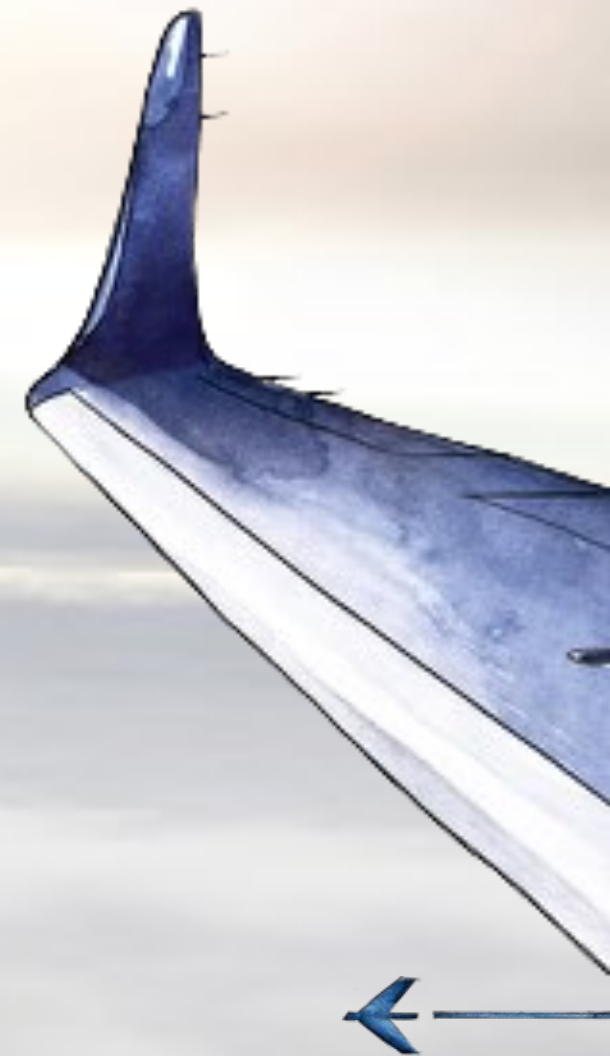
PRAETOR 500
BY EMBRAER



CHALLENGE.
CREATE.
OUTPERFORM.



THE BOUNDARIES
JUST EXPANDED.



A TRUE COAST-TO-COAST
MIDSIZE AIRCRAFT.



CHALLENGE. CREATE. OUTPERFORM.

Our approach to pushing the status quo is expressed in our slogan: Challenge. Create. Outperform. But it's more than a slogan. It's our philosophy.

When we started exploring the business aviation market in 2000, we knew we had a tremendous opportunity. Our goal was to bring groundbreaking solutions for performance and comfort to the business jet market, offering advanced technologies from the flight deck to the cabin that previously were unseen in our business jet categories. We set out to establish new standards.

We began our mission with certain advantages – including a history as the manufacturer of exceptional commercial and military aircraft as well as some of the most innovative jets in business aviation.

We are a company whose philosophy embodies a dynamic spirit

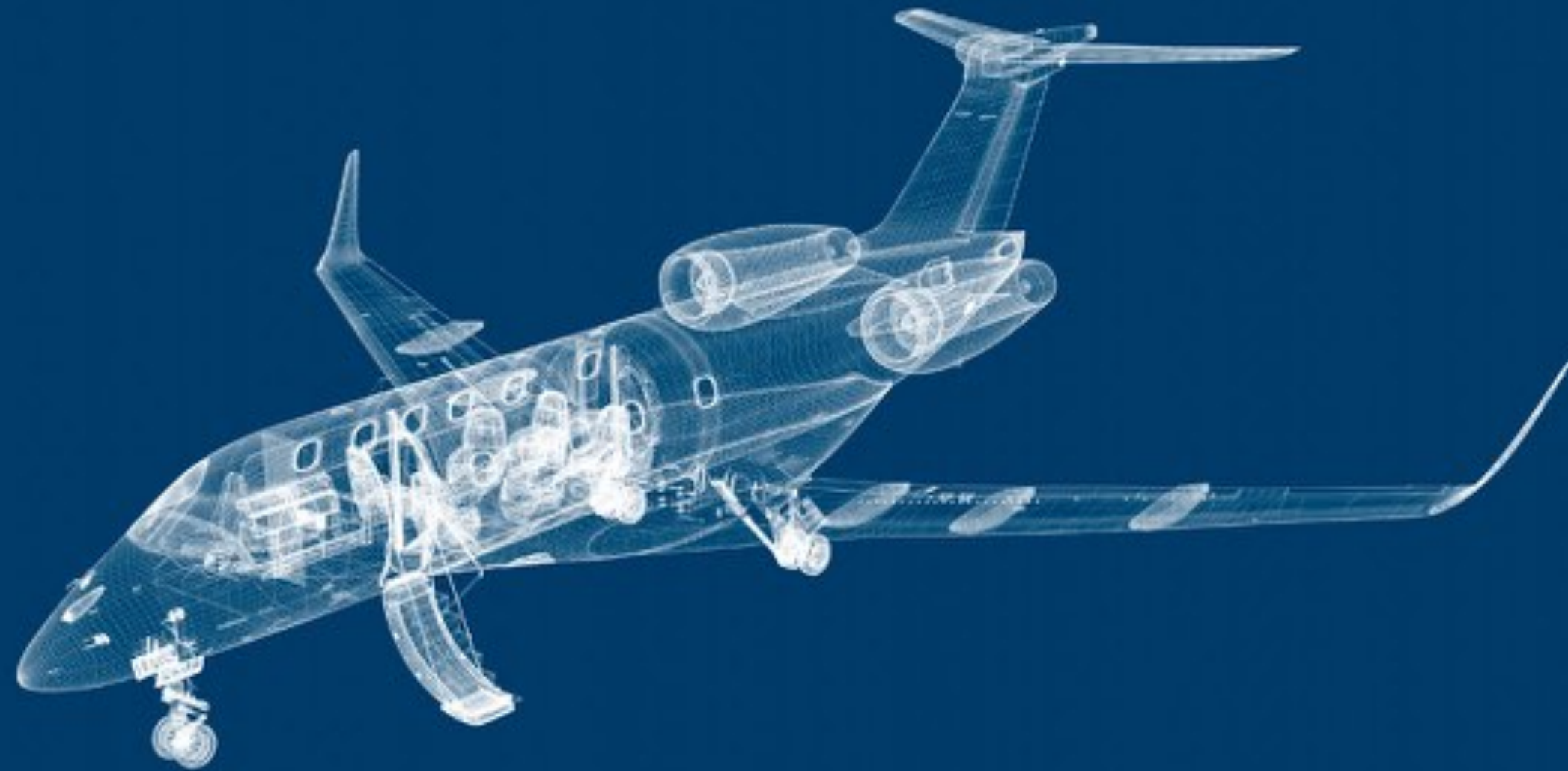
of innovation – as such, we are right at home in the place where rockets and space shuttles have soared into the sky for decades. The Space Age was characterized by the belief that anything is possible when you challenge the status quo. It's fitting that today Embraer's growing executive jet production 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 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. This is a disruptive aircraft for the entrepreneur, for the pioneer, for the innovator. The Praetor 500 is truly a business jet that questions boundaries and challenges convention – delivering exceptional value to you. Challenge. Create. Outperform. ←



Global Customer Center in Melbourne, FL, USA





THE BUSINESS JET OF THE INNOVATOR.

An innovator takes what others think is the limit, and disrupts it. An innovator sees the world from a different perspective and brings new solutions. An innovator creates meaning. But to make it all happen, an innovator needs the proper tools.

Meet the Praetor 500, the most disruptive and technologically advanced midsize business jet, built for the innovators.

Embraer's DNA runs strong with pioneering ideas, and we know from experience that being a pioneer is no easy feat. We are never the ones to choose the easy path. Designing and

crafting a new disruptive jet comes naturally to us.

The Praetor 500 disrupts the conventional notions of what a midsize business jet can do. Showcasing remarkable speed - this aircraft is the fastest jet in its class - the Praetor 500 is capable of flying from New York to L.A. with maximum capacity - nine passengers - and from San Francisco to Gander with four. Enjoy more family time. More freedom. More destinations. With best-in-class range and cabin altitude, you will save time and feel fresh on arrival - ready to seize the day and pioneer others into the future. ←



ENHANCED PERFORMANCE. LAND IN CHALLENGING AIRPORTS.
A TRANSCONTINENTAL MIDSIZE AIRCRAFT.



Aspen / USA



Angra dos Reis / Brazil



London / UK



Dubai / United Arab Emirates



Hong Kong / China



Singapore





DIFFERENT BY DESIGN. DISRUPTIVE BY CHOICE.

How did we engineer a midsize aircraft that is truly disruptive in its performance, technology, and comfort? We dared the impossible. It started with a goal: to design a business jet that flew farther, with more comfort, and provided more economic value. The Praetor 500 accomplishes just that as the most disruptive midsize aircraft in the market segment – with best-in-class cabin altitude and range, it embodies the pinnacle of comfort on transcontinental missions.

The Praetor 500 delivers a nonstop range at long-range cruise of 3,250 nm (6,019 km) with a maximum endurance of nearly 8 hours. An impressive reach. In this remarkable aircraft, you can fly non-stop to far-away destinations, from San Francisco to Gander, Singapore to Beijing, or Dubai to Bangkok.

The Praetor 500 extends your domain in other ways, also. This midsize aircraft can fly its maximum range from a 4,263-foot runway and can operate from runways as short as 3,000 feet. This performance capability gives you direct access to many more destinations. More experiences. More opportunities.

When put to the test of long-distance flying, the Praetor 500 demonstrates its ability to transcend the perceptions of the midsize category. This is the proof of how far you can go with an innovative approach to design. In the Praetor 500, you can fly farther – and to more places. Expand your boundaries.

Extend your domain. ←

Range: LRC, 4 passengers at 200 lb each, NBAA IFR reserves with 200 nm alternate airport, 85% annual winds, ISA, baseline aircraft

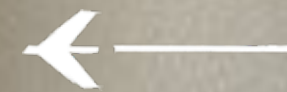


ERGONOMICALLY ENGINEERED
FOR YOUR ULTIMATE
EXPERIENCE.



A close-up, high-angle photograph of a car's interior, focusing on the center console and gear shift area. The image shows a dark, polished metal gear shift knob with a circular opening on top. Below it is a matching metal handbrake. The surrounding surfaces are upholstered in light-colored leather with visible stitching. The lighting is soft and directional, highlighting the textures and metallic finishes.

SOPHISTICATED STYLE.
UNMATCHED COMFORT.





A PLUSH,
SPACIOUS CABIN.





METICULOUSLY THOUGHT OUT
**FOR YOUR
REFRESHMENT.**

The Praetor 500's luxurious stone-floored, highly functional galley will impress you with its carefully designed features to meet all your needs on long flights – from a refreshing drink to a nourishing meal. A microwave, conventional oven, refrigerator, coffee brewer, beautiful crystal, china, silverware and more are at your disposal for a comfortable and premium flight experience. ←



INCREASED FUNCTIONALITY. DESIGNED AND DETAILED.

Thoughtful attention to detail and superior craftsmanship are evident throughout the elegantly conceived 6-foot-tall flat-floor cabin. From the fully reclining design of the seats – which are fully berthing – to their optimal placement beside spacious windows, we designed the Praetor 500's cabin for your enduring comfort. Whether working or dining, the cabin's stowable tables offer plenty of space, opening flush with the side ledge. And with the most generous baggage volume in its segment, including a practical, in-flight accessible baggage compartment, you'll have everything you need each flight aboard this disruptive aircraft. ←





COMFORTABLE ALTITUDE AN ULTRA-QUIET CABIN.

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. Additionally, the ultra-quiet environment is ideal for working, conversation or relaxing. You will arrive feeling able-bodied and sharp, ready to seize the day. ←





State-of-the-art connectivity system:
Gogo 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

DESIGNED FOR YOUR COMFORT
TO ENERGIZE AND ENLIVEN.



STRONG WI-FI CONNECTIVITY. TECHNOLOGICALLY ADVANCED.

Technology is not just about the latest trends – it's about seamless integration into a space. Its purpose is to serve the user. On the Praetor 500, an innovative cabin management feature – the upper technology panel – does just that. Unique to Embraer business jets, the touchscreen overhead panel puts flight status information, ambient lighting and access to cabin controls directly at your fingertips. In addition, we bring you the latest and the very best in internet connectivity. You can trust Ka-band – exclusive to this category – or Gogo AVANCE L5 to stay connected in flight, while the aircraft's Honeywell Ovation™ Select Cabin Management Suite will spoil you with full 1080P HD video streaming and immersive audio. ←





THE PERFECT UNION OF TECHNOLOGY & CONNECTIVITY.

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 conventional flight controls. The state-of-the-art Rockwell Collins Pro Line Fusion® flight deck marries cutting-edge technology with ergonomics. The dark and quiet cockpit reduces pilot fatigue and minimizes workload. The Praetor 500 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 orchestration of Embraer's flight deck provides an instinctive interface between pilot and aircraft for a safer, easier flight. ←



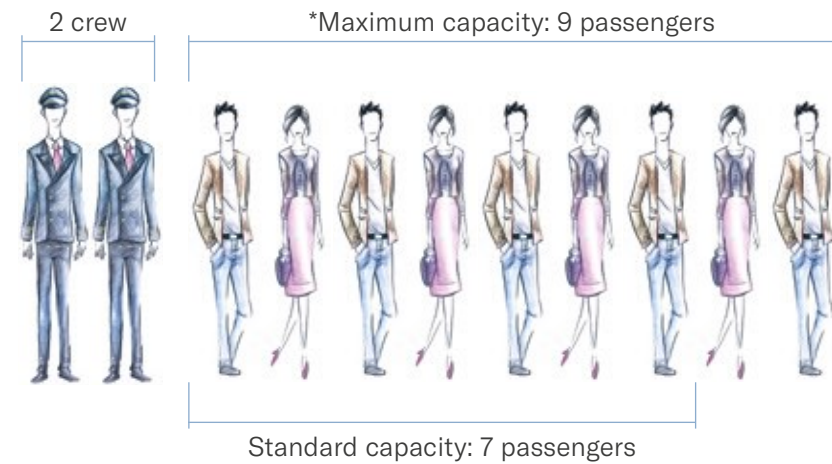
YOUR DREAM
FLIGHT DECK.



TECHNICAL SPECIFICATIONS.

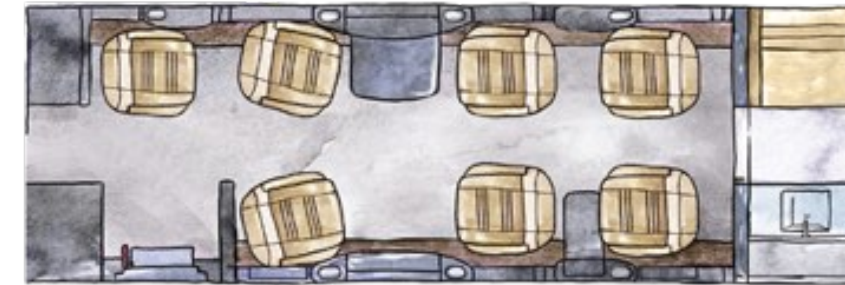
The disruptive, continent-crossing Praetor 500 leads the way in performance, technology, and comfort for the midsize business jet. The precise union of style, luxury, space and technology creates a sophisticated travel experience. ←

SEATING CONFIGURATION

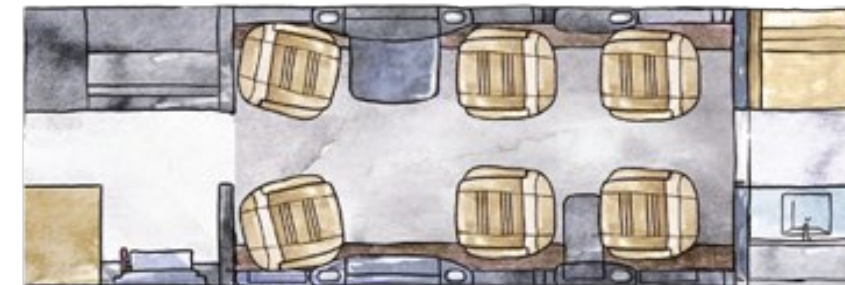


*Considering optional belted lavatory, side-facing seat and optional double divan

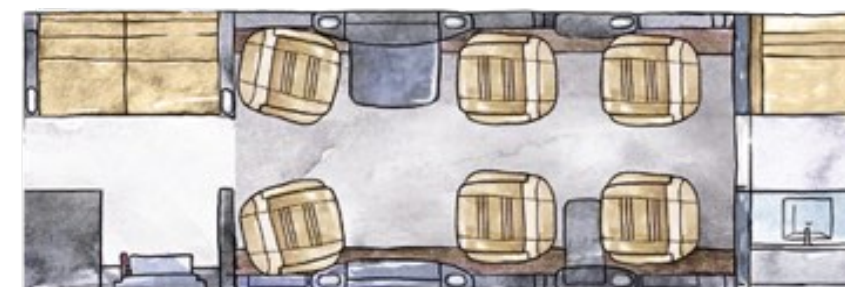
MAXIMUM BAGGAGE AND STOWAGE VOLUME 150 ft³ / 4.25 m³



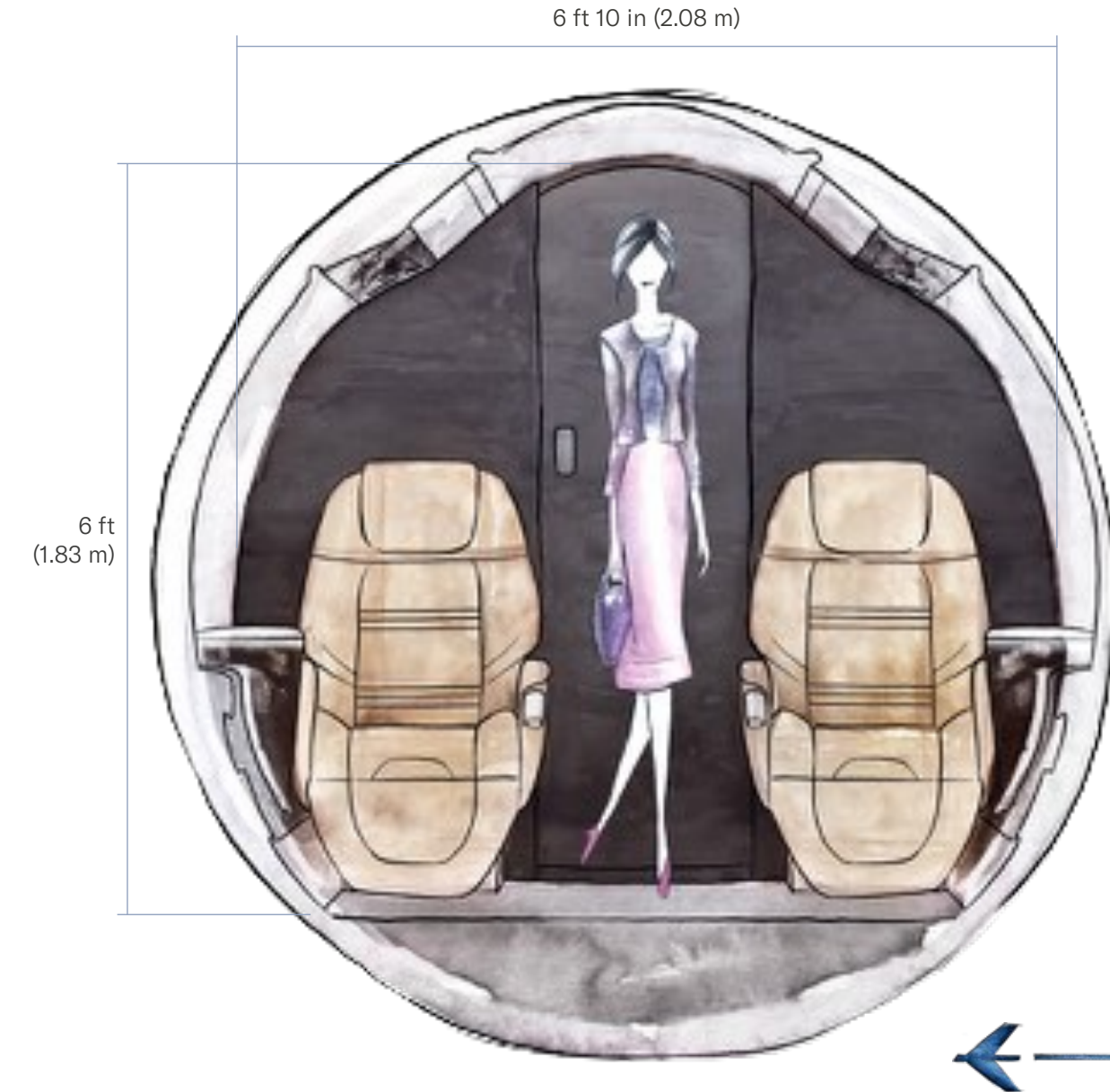
Two club seats, three single seats and belted toilet
(Maximum: 8 passengers)



Two club seats, two single seats, one side facing seat and belted toilet
(Maximum: 8 passengers)



Two club seats, two single seats, two place divan and belted toilet
(Maximum: 9 passengers)





24 ft 1 in
(7.34 m)



70 ft 6 in (21.50 m)



21 ft 1 in
(6.43 m)

64 ft 7 in (19.68 m)

HIGH SPEED CRUISE
462 ktas / 856 km/h

M_{MO}
M 0.83

TAKEOFF DISTANCE (MTOW, SL, ISA)
4,263 ft / 1,299 m

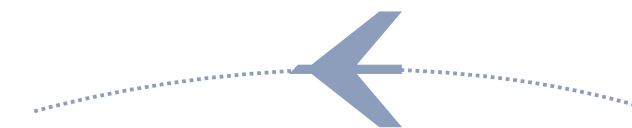
UNFACTORED LANDING DISTANCE
(LW with 4 passengers at 200 lb each, NBAA IFR reserves, SL, ISA)
2,090 ft / 637 m

PROPULSION
Honeywell HTF7500E

ENGINE THRUST / FLAT RATING
6,540 lb_f / ISA + 18°C

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)
3,250 nm / 6,019 km



TOP-RANKED GLOBAL SUPPORT TO KEEP YOU ON YOUR JOURNEY.

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. ←





ENVIRONMENTAL RESPONSIBILITY.

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. ←





FULL LINE
EMBRAER EXECUTIVE JETS

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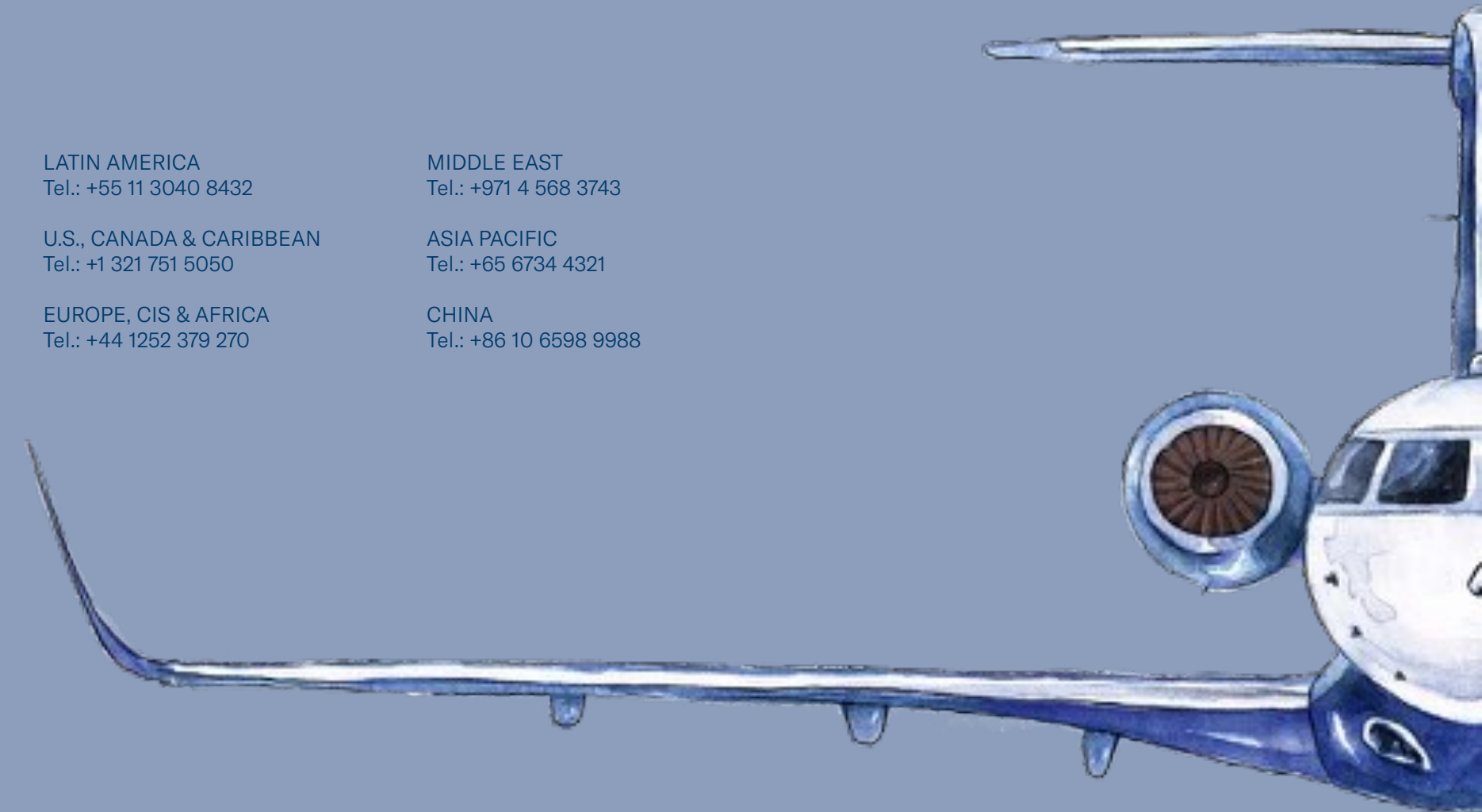
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October 2018



PHENOM® 100EV BY EMBRAER

PERFORMANCE:

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

ENGINES:

Pratt & Whitney - PW617F1-E / 1,730 lb_f

AVIONICS:

Prodigy Touch Flight Deck (G3000)

CABIN HIGHLIGHTS:

More leg and head space with Oval Lite® cross section cabin design
Largest windows in class
Refreshment center (optional)
Fully enclosed aft lavatory (optional hard door)
Largest baggage compartment in class
Airstair with handrail and optional step lighting
11 Color schemes available

TECHNOLOGY HIGHLIGHTS:

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

OCCUPANTS: 6/8

Some features are optional.



PHENOM® 300E BY EMBRAER

PERFORMANCE:

Range (6 occupants, NBAA reserves): 1,971 nm
High-speed cruise: 453 ktas
M_{MO}: M 0.78
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 3,138 ft

ENGINES:

Pratt & Whitney - PW535E / 3,360 lb_f

AVIONICS:

Prodigy Touch Flight Deck (G3000)

CABIN HIGHLIGHTS:

Generous cabin space
Largest windows and refreshment center in class
Choice of multiple cabin configurations
Largest baggage compartment in class
Airstair with handrail and optional step lighting
IFE compatible with portable electronic devices

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
Externally serviced lavatory
Airline-like single-point refueling
Synthetic vision system
Synoptic views for main aircraft systems
Central maintenance computer
LED lighting
Brake-by-wire with antiskid
35,000-hour economic life
Low operating cost
Steep-approach capability

OCCUPANTS: 8/11



LEGACY® 450 BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 2,904 nm
High-speed cruise: M 0.82
M_{MO}: M 0.83
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 3,907 ft

ENGINES:

Honeywell - HTF7500E / 6,540 lb_f

AVIONICS:

Rockwell Collins Pro Line Fusion®

CABIN HIGHLIGHTS:

Stand-up cabin with flat floor
Fully equipped wet galley
Choice of multiple cabin configurations
Unique connectivity: Gogo AVANCE L5 and Ka-band
IFE system compatible to portable electronic devices
Vaccum toilet system
Low cabin noise
5,800 ft cabin at maximum cruise altitude

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
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

CREW+STANDARD PAX/MAX. PAX: 2+7/9



PRAETOR 500 BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 3,250 nm
High-speed cruise: M 0.82
M_{MO}: M 0.83
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 4,263 ft

ENGINES:

Honeywell - HTF7500E / 6,540 lb_f

AVIONICS:

Rockwell Collins Pro Line Fusion®

CABIN HIGHLIGHTS:

Stand-up cabin with flat floor
Fully equipped wet galley
Choice of multiple cabin configurations
Unique connectivity: Gogo AVANCE L5 and Ka-band
IFE system compatible to portable electronic devices
Vaccum toilet system
Low cabin noise
5,800 ft cabin at maximum cruise altitude

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
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

CREW+STANDARD PAX/MAX. PAX: 2+7/9



LEGACY® 500 BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 3,125 nm
High-speed cruise: M 0.82
M_{MO}: M 0.83
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 4,084 ft

ENGINES:

Honeywell - HTF7500E / 7,036 lb_f

AVIONICS:

Rockwell Collins Pro Line Fusion®

CABIN HIGHLIGHTS:

Stand-up cabin with flat floor
Fully equipped wet galley
Choice of multiple cabin configurations
Unique connectivity: Gogo AVANCE L5 and Ka-band
IFE system compatible to portable electronic devices
Vaccum toilet system
Low cabin noise
5,800 ft cabin at maximum cruise altitude

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
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

CREW+STANDARD PAX/MAX. PAX: 2+8/12



PRAETOR 600 BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 3,900 nm
High-speed cruise: M 0.82
M_{MO}: M 0.83
Max. operating altitude: 45,000 ft
Takeoff field length (MTOW, SL, ISA): 4,800 ft

ENGINES:

Honeywell - HTF7500E / 7,528 lb_f

AVIONICS:

Rockwell Collins Pro Line Fusion®

CABIN HIGHLIGHTS:

Stand-up cabin with flat floor
Fully equipped wet galley
Choice of multiple cabin configurations
Unique connectivity: Gogo AVANCE L5 and Ka-band
IFE system compatible to portable electronic devices
Vaccum toilet system
Low cabin noise
5,800 ft cabin at maximum cruise altitude

TECHNOLOGY HIGHLIGHTS:

Clean-sheet design
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

CREW+STANDARD PAX/MAX. PAX: 2+8/12



LEGACY® 650E BY EMBRAER

PERFORMANCE:

Range (4 pax, NBAA reserves): 3,900 nm
High-speed cruise: M 0.80
M_{MO}: M 0.80
Max. operating altitude: 41,000 ft
Takeoff field length (MTOW, SL, ISA): 5,741 ft

ENGINES:

Rolls Royce - AE3007A2 / 9,020 lb_f

AVIONICS:

Honeywell Primus Elite

CABIN HIGHLIGHTS:

Three spacious cabin zones
Fully reclining seats
22 oversized windows
Multiple cabin configurations
IFE system compatible with portable electronic devices
Fully equipped wet galley
Largest baggage compartment in business aviation
Low cabin noise
Baggage compartment accessible in flight

TECHNOLOGY HIGHLIGHTS:

Designed for high utilization and high availability
Auto-throttle
Synthetic vision system
iPad EFB
Low operating cost
Steep-approach capability

CREW+STANDARD PAX/MAX. PAX: 2+13/14



Lineage® 1000E BY EMBRAER

PERFORMANCE:

Range (8 pax, NBAA reserves): 4,600 nm
High-speed cruise: M 0.82
M_{MO}: M 0.82
Max. operating altitude: 41,000 ft
Takeoff field length (MTOW, SL, ISA): 6,076 ft

ENGINES:

General Electric - CF34-10E7-B / 18,500 lb_f

AVIONICS:

Honeywell Primus Epic

CABIN HIGHLIGHTS:

Five spacious cabin zones
Three lavatories and stand-up shower (optional)
Queen-size bed (optional)
Highly customizable cabin
Complete audio and entertainment systems
IFE system compatible with portable electronic devices
Fully equipped wet galley
Largest baggage compartment in class
Baggage compartment accessible in flight

TECHNOLOGY HIGHLIGHTS:

Fly-by-wire technology
Designed for high utilization and high availability
Central maintenance computer
Intuitive interface with cursor control device
Steep-approach capability
Operation in restrictive airports

CREW+STANDARD PAX: 2/3+13/19

FULL LINE EMBRAER EXECUTIVE JETS

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