EMBRAER PRAETOR 500 AWARDED BRAZILIAN CERTIFICATION

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Congratulations Embraer! During a ceremony at LABACEE new Praetor 500 midsize business jet was awarded its Type Certificate by Brazil's Civil Aviation Authority. If you remember, it was announced back in October 2018 at NBAA-BACE.

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The Praetor 500 surpassed its certification goals achieving an intercontinental range of 3,340 nautical miles (6,186 km—NBAA IFR Reserves with four passengers), a high-speed cruise of 466 KTAS, a full-fuel payload of 1,600 lb (726 kg), a takeoff distance of only 4,222 ft (1,287 m) and an unfactored landing distance of 2,086 ft (636 m). For a 1,000-nautical-mile mission, the takeoff distance is a mere 2,842 ft (867 m).

The Praetor 500 outperforms its class, becoming the best midsize jet ever developed and the only jet in its class with Ka-band internet connectivity. With the best cabin altitude, the Praetor 500 is the only midsize jet with full fly-by-wire, which complements the superior cabin experience of the Embraer DNA interior design with turbulence reduction for the smoothest and most efficient flight possible.

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“The certification of the Praetor 500 is a welcome achievement for the celebration of our golden jubilee. This revolutionary aircraft is a testament to the commitment of our teams to excellence and a foretaste of the pioneering that Embraer will accomplish throughout the next 50 years,” said Michael Amalfitano, President & CEO, Embraer Executive Jets. “With the highest performance, technology and comfort in its class, the Praetor 500 becomes the best midsize business jet ever made, raising the customer experience standards of its class. We are thrilled to announce that we already have orders for the Praetor 500, including in Brazil.”

The Praetor 500 is now the farthest- and fastest-flying midsize jet, able to make true corner-to-corner nonstop flights in North America, from Miami to Seattle, or Los Angeles to New York. The Praetor 500 also connects the west coast of North America to Europe and to South America, from

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Los Angeles to London or to São Paulo, with single-stop performance. In addition to connecting the southern Brazilian city of Porto Alegre to New York or São Paulo to Paris, with a single stop, the Praetor 500 has the superior performance to access challenging airports, such as Angra dos Reis and Jacarepaguá, in Brazil.

The Embraer DNA Design interior eloquently explores every dimension of the only midsize to feature a six-foot-tall, flat-floor cabin, stone flooring and a vacuum service lavatory, all in the same certified aircraft. The class-exclusive Turbulence Reduction technology and 5,800-foot cabin altitude, complemented by a whisper silent cabin, have set the highest standards in customer experience in the midsize category. In addition to the full-service galley and a wardrobe, six fully reclining club seats, four of which may be berthed into two beds, and the baggage space is the largest in the class.

Advanced technology throughout the cabin is also a trait of the Embraer DNA Design, beginning with the industry-exclusive Upper Tech Panel that displays flight information and offers cabin management features also available on personal devices through Honeywell Ovation Select. High-capacity, ultra high-speed connectivity for all aboard is available through Viasat's Ka-band, with speeds of up to 16Mbps and unlimited streaming, another industry-exclusive in midsize jets.

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PRAETOR 500 SPECIFICATIONS

SPECIFICATIONS	ANAC CERTIFICATION	DESIGN GOALS
Range IFR reserves @ LRC (1)	3,340 nm / 6,186 km	3,250 nm / 6,019 km
High speed cruise (2)	466 KTAS	462 KTAS
Takeoff distance (3)	4,222 ft / 1,287 m	4,263 ft / 1,299 m
Takeoff distance – 1,000nm mission (4)	2,842 ft / 867 m	2,873 ft / 876 m
Unfactored landing distance (4)	2,086 ft / 636 m	2,091 ft / 637 m
Time to climb to initial cruise altitude (5)	23 min	23 min
Maximum operating altitude	45,000 ft / 13,716 m	45,000 ft / 13,716 m
Payload full fuel (6)	1,600 lb / 726 kg	1,600 lb / 726 kg

(1) NBAA IFR reserves; 200 nm alternate; 4 pax @ 200 lbs each; baseline aircraft
(2) Max cruise speed; FL410; ISA; 4 pax @ 200lbs each; half fuel tank; baseline aircraft
(3) SL; ISA; MTOW
(4) SL; ISA; 4 pax @ 200 lbs each; NBAA IFR reserves; 200 nm alternate; baseline aircraft
(5) Baseline aircraft. Initial Climb to FL430
(6) Baseline aircraft

The Praetor 500 features the newest edition of the acclaimed Collins Aerospace Pro Line Fusion flight deck. Some of the options available on the Praetor 500 flight deck are the industry-first vertical weather display, air-traffic-control-like situational awareness with ADSB-IN, predictive wind shear radar capability, as well as the Embraer Enhanced Vision System (E2VS) with a Head-up Display (HUD) and an Enhanced Video System (EVS), an Inertial Reference System (IRS) and a Synthetic Vision Guidance System (SVGS).

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