



TYPE CERTIFICATION HAT-TRICK FOR EMBRAER PRAETOR 600

News / Business aviation, Events / Festivals, Manufacturer





Congratulation to Embraer! Amazing Type Certificate Hat-trick! ?

“Now certified by the key aviation safety agencies of the world, the Praetor 600 has proven to be the most disruptive and technologically advanced super-midsize business jet to enter the market, paving the way to begin deliveries now in the second quarter,” said Michael Amalfitano, President & CEO, Embraer Executive Jets. “Just over six months since its launch and debut, the Praetor 600 has already been outperforming its certification goals, raising expectations of the ideal super-midsize. Once again, I want to thank and congratulate the entire Embraer family for bringing to market such a revolutionary aircraft, designed to create a new value experience for customers and shareholders alike.”

Brazil's Civil Aviation Authority (ANAC—Agência Nacional de Aviação Civil) awarded the new aircraft its Type Certificate on April 18 of this year. The Praetor 600 was announced and debuted at NBAA-BACE, in October 2018, and became the only super-midsize business jet to be certified since 2014.

The Praetor 600 began its journey to EBACE at São Paulo International Airport in Brazil, on May 8, arriving in Fort Lauderdale, Florida with a six-passenger equivalent payload of 1,200 lb (544 kg). This was the aircraft's longest flight to date, covering 3,904 nm (7,230 kilometers) over an air distance of 3,678 nm (6,812 kilometers), having faced up to 43 knots of headwinds and descended into Miami's distinct air space pattern.

On May 16, the Praetor 600 departed the U.S. to Europe fueled by Sustainable Alternative Jet Fuel (SAJF) to join the Embraer portfolio fleet at “Fueling the Future,” a business aviation biofuel event held at Farnborough Airport, on May 18. The Praetor 600 arrived in Farnborough, having departed from Teterboro Airport in the U.S. The first transatlantic flight of the Praetor 600 covered about 3,000 nautical miles with about 15,000 lb of fuel, of which 3,000 lb was SAJF.

The “Fueling the Future” event marked the first anniversary of the launch of the Business Aviation Coalition for Sustainable Alternative Jet Fuel (SAJF), at EBACE 2018, and the 10th anniversary of

the Business Aviation Commitment on Climate Change, announced in 2009. The event gathered business aviation and civic leaders to discuss the path forward for the continued adoption of SAJF in business aviation, in order to fulfill the coalition's goal of reducing emissions through investments and innovation.

The Praetor 600 is the best performing super-midsize jet ever developed, surpassing all its main design goals and becoming capable of flying beyond 4,000 nautical miles in long-range cruise speed or beyond 3,700 nautical miles at Mach .80 from runways shorter than 4,500ft, complemented by an outstanding payload capability.

The Praetor 600 is now the farthest-flying super-midsize jet, able to make nonstop flights between London and New York, São Paulo and Miami, Dubai and London. With four passengers and NBAA IFR Reserves, the Praetor 600 has an intercontinental range of 4,018 nautical miles (7,441 km). Take Off Field Length for such a mission is only 4,436 ft (1,352 m). At M0.80, range is 3,719 nm (6,887 km) with four passengers and NBAA IFR Reserves.

The Praetor 600 is the first super-midsize jet with full fly-by-wire technology, which powers the Active Turbulence Reduction that not only makes every flight the smoothest but also the most efficient possible.

The Embraer DNA Design interior eloquently explores every dimension of the only super-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 Active Turbulence Reduction and 5,800-foot cabin altitude, complemented by a whisper silent cabin, have set the highest standards in customer experience in the super-midsize category. In addition to the full-service galley and a wardrobe, eight fully reclining club seats may be berthed into four 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 super-midsize jets.

The Praetor 600 features Collins Aerospace's newest edition of the acclaimed Pro Line Fusion flight deck. Capabilities such as the industry-first vertical weather display, air-traffic-control-like situational awareness with ADSB-IN, predictive wind shear radar capability, as well as 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) are some of the highlights on the Praetor 600 flight deck.



- (1) NBAA IFR reserves; 200 nm alternate; 4 pax @ 200 lbs each; baseline aircraft; LRC (Long Range Cruise)
- (2) NBAA IFR reserves; 200 nm alternate; 4 pax @ 200 lbs each; baseline aircraft; M0.80
- (3) SL; ISA ; full fuel; 4 pax @ 200 lbs each; NBAA IFR reserves; 200 nm alternate; baseline aircraft;
- (4) SL; ISA; MTOW
- (5) SL; ISA ; 4 pax @ 200 lbs each; NBAA IFR reserves; 200 nm alternate; baseline aircraft
- (6) Baseline aircraft

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