TEXTRON AVIATION DEBUTS CESSNA DENALI SINGLE ENGINE TURBOPROP AT OSHKOSH

News / Events / Festivals, Manufacturer

Just one year after announcing it would bring a clean-sheet design single engine turboprop (SETP) to market, Textron Aviation Inc., a Textron Inc. company, today unveiled the Cessna Denali. A mockup of the aircraft's cabin sits alongside a mockup of GE Aviation's all new advanced turboprop engine at Textron Aviation's chalet this week during the Experimental Aircraft Association (EAA) AirVenture Oshkosh.

"The Cessna Denali will enter the market as the superior aircraft in its segment," said Kriya Shortt, senior vice president, Sales and Marketing, Textron Aviation. "The Denali is already garnering interest and commitments because of its winning combination of features, including class-leading performance and ownership costs, as well as the widest and most comfortable cabin in its segment, all backed by an unrivaled global factory-direct service network."

The Cessna Denali name captures the rugged, yet refined qualities of the high-performance single engine turboprop aircraft. The program is targeted to achieve first flight in 2018 and letters of intent are being accepted.

"The Denali will balance great handling characteristics with the enhanced capability of a high performance turboprop, making it a great step up airplane for piston owners who are ready for

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more performance," said Shortt.

A high-performance, clean-sheet design

The clean-sheet Cessna Denali is being designed to outperform its competition in capability, pilot interface and ownership costs. Engineered to achieve cruise speeds of 285 knots and full fuel payload of 1,100 pounds, the Denali will have a range of 1,600 nautical miles at high speed cruise with one pilot and four passengers and will be able to fly from Los Angeles to Chicago, New York to Miami, or London to Moscow.

"Simply put, no aircraft in this class even comes close to the Cessna Denali. We are confident the Denali will quickly rise as the leader in the high-performance single engine turboprop market," said Shortt.

The Denali will be powered by GE's new advanced turboprop engine. The FADEC-equipped, 1,240 shaft horse power (SHP)-rated turboprop engine will ease pilot workload with its single-lever power and propeller control. The airplane will be equipped with McCauley's new 105-inch diameter composite, 5-blade, constant speed propeller, which is full feathering with reversible pitch and ice protection. The engine is designed to provide an initial 4,000 hour time between overhaul and offer class-leading performance retention for an outstanding hot/high capability.

The Denali will feature the Garmin G3000 intuitive touchscreen avionics suite and will include high-resolution multifunction displays and split-screen capability. The G3000 flight deck will include weather radar, advanced Terrain Awareness Warning Systems (TAWS), and automatic dependent surveillance-broadcast (ADS-B) capabilities, which will make it compliant with a significant aspect of future Next Generation air traffic control requirements.

Leading the passenger experience

The Cessna Denali's flat floor cabin is designed to be the largest in its segment and will offer the versatility to easily convert between passenger and cargo configurations. The aircraft will feature a class-leading 53-inch wide by 59-inch high aft cargo door, perfect for loading large cargo and ideal for use in many special mission applications.

The Denali's cabin will feature a standard seating configuration of six individual reclining seats and will offer a nine-place high density seating option. The aircraft will boast a digital pressurization system maintaining a 6,130 foot cabin altitude at a service ceiling of 31,000 feet. First in this class of aircraft, the Denali will offer customers an optional externally serviceable belted lavatory with pocket door enclosure that is located in the back of the cabin. Denali customers will also enjoy the large cabin windows, interior LED lighting, a forward refreshment cabinet and an in-flight accessible baggage compartment.

Unrivaled factory-direct support

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Denali customers will have access to Textron Aviation's unmatched global service network dedicated to complete life-cycle support. Textron Aviation's support organization includes 21 company-owned service centers located around the world with expert service engineers offering maintenance, inspections, parts, repairs, avionic upgrades, equipment installations, refurbishments and other specialized services. In addition to its company-owned footprint, Textron Aviation's turbine customers have access to a global network of nearly 200 authorized service facilities. Textron Aviation also offers a mobile support program featuring more than 60 mobile service units, three dedicated support aircraft, and on-site service technicians and support.

Along with a five-year limited warranty covering the airframe, engine and avionics, Denali customers can enroll in Textron Aviation's industry leading ProAdvantage programs that have been designed to provide customers lower, predictable ownership costs, while enhancing aircraft values through comprehensive factory-direct maintenance.

27 JULY 2016

ARTICLE LINK:
https://ids.50skyshades.com/news/events-festivals/textron-aviation-debuts-cessna-denali-single-engine-turboprop-at-oshkosh

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