



Daher launches the TBM 960 very fast turboprop aircraft with digital power

Sun ‘n Fun Aerospace Expo, Lakeland, Florida, April 5, 2022 – Daher today unveiled the latest high-end version of its TBM pressurized single turboprop aircraft family – the TBM 960 – which incorporates Pratt & Whitney Canada’s advanced PT6E-66XT engine and a fully digital e-throttle, along with a digitally-controlled cabin that incorporates an all-new environmental control system, LED ambience lighting and electrically-dimmable windows.

The TBM 960 was introduced at the Sun ‘n Fun Aerospace Expo in Lakeland, Florida, where Daher is exhibiting the first production airplane (exhibit stand #MD-22B).

“The TBM 960 is the quintessential TBM, representing the fifth evolution of our very fast turboprop aircraft family since the TBM 900-series’ introduction in 2014,” commented Nicolas Chabbert, the Senior Vice President of Daher’s Aircraft Division. “It takes the maximum advantage of today’s turboprop technology to provide digital control of the engine and the propeller.”

The TBM 960 retains the rapid speed of Daher’s TBM family while enabling lower fuel consumption. At Daher’s recommended cruise setting of 308 kts., the fuel consumption is only 57 U.S. gallons per hour, which is a 10% fuel economy compared to maximum cruise setting for more sustainability.

At the heart of this latest TBM version is the intelligent PT6E-66XT powerplant and Hartzell Propeller’s five-blade Raptor™ composite propeller, both of which are linked to the dual-channel digital Engine and Propeller Electronic Control System (EPECS).

With the EPECS, the PT6E-66XT's startup is fully automated after a single-switch activation. The cockpit's power lever is an e-throttle, using a single forward position from takeoff to landing – with the EPECS optimizing powerplant performance throughout the flight envelope while reducing pilot workload by integrating all functions and protecting the engine's life. Analysis of engine parameters is driven by 100-plus smart data inputs.

The Raptor™ propeller is fully integrated into the propulsion system. It is specifically designed to reduce overall weight and improve the TBM 960's takeoff distance, climb and cruise speed. Turning at 1,925 rpm during maximum power output, the Raptor contributes to limiting noise and vibration. Its sound level during takeoff is just 76.4 decibels, meeting the most stringent international noise standards.

With its G3000® integrated flight deck, the TBM 960 retains Daher's e-copilot® concentration of technological innovation and safety systems in the TBM, which can be compared to an "electronic copilot." This includes an icing protection system, flight envelope monitoring through the Electronic Stability and Protection (ESP) and the Under-speed Protection (USP) systems, the Emergency Descent Mode (EDM) function, as well as the game-changing HomeSafe™ emergency autoland system.

New to the TBM 960 is the Garmin GWX™ 8000 doppler weather radar with advanced surveillance features such as lightning and hail prediction, turbulence detection, zero blind range for close-in returns, and ground clutter suppression. The TBM 960 also is equipped with Garmin's 4G LTE/WiFi datalink transmitter, enabling automatic database upload and flight/engine data log uploading.

The TBM 960's Prestige cabin extends Daher's use of digital power inside the aircraft, featuring an all-new environmental control system, LED ambience strip lighting integrated into both sides of the overhead ceiling panel, and electronically-dimmable windows – all controlled by a Passenger Comfort Display (PCD). Enhancements in the cabin's style and comfort also include new ergonomically enhanced seats, USB-A and USB-C power plugs, individual cupholders and headset hangers for each occupant.

For the TBM 960, a fifth TBM paint scheme – called Sirocco, based on the creativity of French designer Alexandre Echasseriau – has been added to the aircraft's style customization possibilities.

The TBM 960 has been certified by EASA (the European Union Aviation Safety Agency); with certification by the U.S. FAA (Federal Aviation Administration) currently underway. Deliveries will begin in the first half of 2022.


With the new aircraft's launch, Daher's TBM family is now offered in two versions: the TBM 960 and TBM 910.

About Daher – www.daher.com


Daher is an aircraft manufacturer and an industry and service equipment supplier. Daher asserts its leadership in three main businesses: aircraft manufacturing, aerospace equipment and systems, logistics and supply chain services; and achieved a turnover of 1.1 billion euros in 2020. With the stability provided by its family ownership, Daher has been committed to innovation since its creation in 1863. Today, present in 13 countries, Daher is a leader in Industry 4.0, designing and developing value-added solutions for its industrial partners.

Daher also is on social networks:

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About Daher's aircraft product line – www.kodiak.aero / www.tbm.aero


Daher manufactures two families of single-engine turboprop airplanes: the Kodiak utility aircraft in Sandpoint, Idaho, USA, and the very fast pressurized TBM in Tarbes, France.

The Kodiak 100 Series III is an unpressurized 8-10-seat airplane equipped with Garmin's G1000 NXi avionics, capable of operating on uneven and unimproved runways, or on water in the amphibious version. Its unique combination of robust construction and remarkable 3,530 lb. useful load has resulted in many additional applications for the Kodiak, including special missions, medevac, as a skydiving platform and more.


Current TBM models in production are the TBM 910, equipped with Garmin's G1000 Nxi avionics system, controlled by a keypad; and the TBM 960, featuring Pratt & Whitney Canada's PT6E-66XT engine and a dual-channel digital Engine and Propeller Electronic Control System (EPECS), an autothrottle, Garmin's G3000 avionics with touchscreen controller, and the HomeSafe™ emergency autoland system. Both models offer increased automation and superior performance.


As of January 1, 2022, a total of 300 Kodiak and 1,070 TBM aircraft had been delivered to international owners and operators, with the global fleet accumulating some 2.2 million flight hours.

 [@daherkodiak](https://www.instagram.com/daherkodiak)

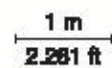
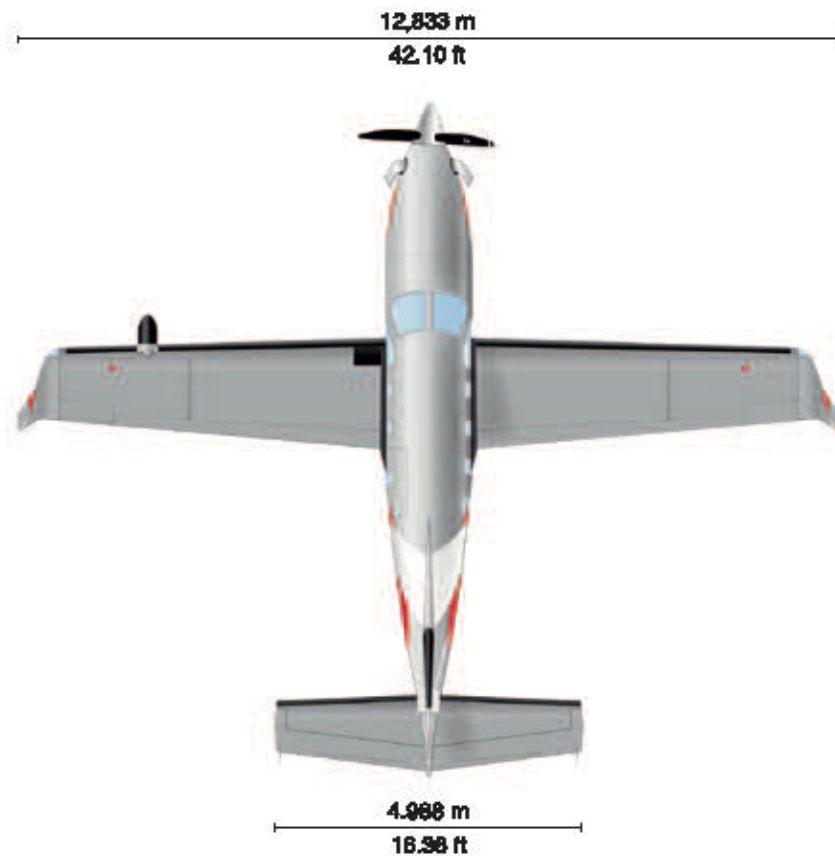
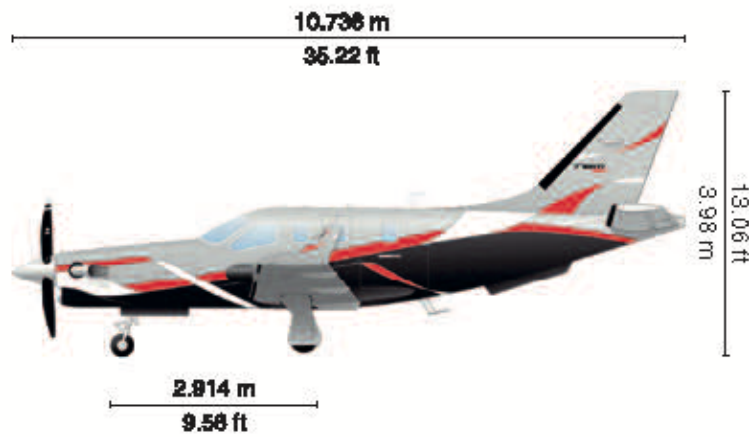
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TBM 960



TBM 960 IN FIGURES

Daher unveils the TBM 960 at Sun 'n Fun Aerospace Expo

POWERPLANT

Type: P&W Canada PT6E-66XT turboprop

Thermodynamic power	1844 hp.
Nominal power	850 shp.
Usable fuel capacity	292 US gal. 1,106 liters

INTERNAL DIMENSIONS

Maximum cabin width	3 ft. 11.64 in.	1.21 m.
Maximum cabin length	13 ft. 3.45 in.	4.05 m.
Maximum cabin height	4 ft.	1.22 m.
Maximum volume in cabin	123 cu. ft.	3.5 cu. m.

LOADING

Basic empty weight with Prestige package	4,806 lb.	2,180 kg.
Maximum ramp weight (MRW)	7,650 lb.	3,470 kg.
Maximum takeoff weight	7,615 lb.	3,454 kg.
Maximum zero fuel weight	6,252 lb.	2,836 kg.
Maximum payload	1,446 lb.	656 kg.
Maximum payload with full fuel:	888 lb.	403 kg.
Maximum luggage in storage areas (4 seats)	507 lb.	230 kg.
Maximum luggage in storage areas (6 seats)	330 lb.	150 kg.

PERFORMANCE (ISA conditions, MTOW, no wind,)

Maximum cruise speed at long-range settings	252 KTAS	467 km/h
Maximum cruise speed at 28,000 ft.	330 KTAS	611 km/h
Time-to climb to 31,000 ft.		18 min. 45 sec.
Certified ceiling	31,000 ft.	9,449 m.

RUNWAY DISTANCES (ISA conditions, MTOW, no wind, 50 ft. obstacle clearance)

Takeoff	2,535 ft.	773 m.
Landing	2,430 ft.	741 m.

RANGE (Max. range with max. fuel (ISA, MTOW, no wind, one pilot, 45 min fuel reserve) @ 31,000 ft.

252 KTAS cruise speed	1,730 NM	3,204 km
308 KTAS cruise speed	1,585 NM	2,935 km
326 KTAS cruise speed	1,440 NM	2,666 km

Suggested prices for a TBM 960 delivered in 2022

TBM 960 standard equipped price	\$4,565,789
TBM 960 with Prestige package	\$4,778,964