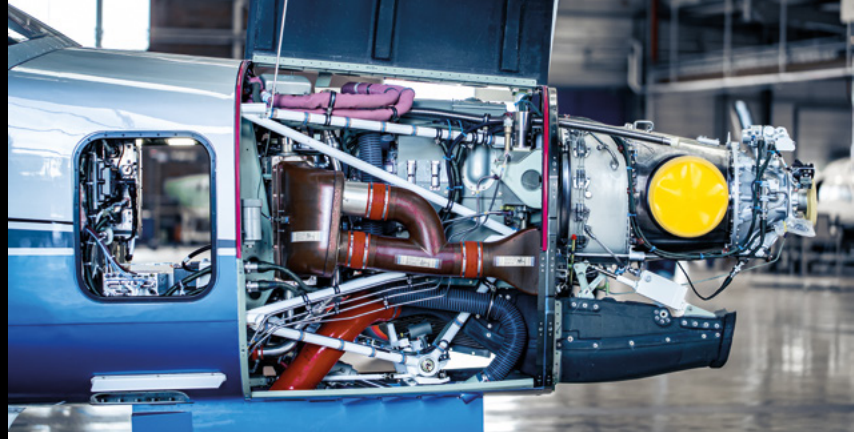
TBM 960

DIGITAL POWER

Powered by innovation, the TBM 960 sets standards for excellence as the latest member of Daher's TBM very fast turboprop aircraft family. It represents the ultimate combination of performance, comfort and safety in a general aviation airplane.

Piloting with precision is ensured through all phases of flight, benefiting from Pratt & Whitney Canada's PT6E-66XT advanced powerplant and the five-blade Hartzell Raptor™ composite propeller, associated with a Fully Authority Digital Engine Control system. Safety is paramount with the most advanced cockpit available today, including the game-changing HomeSafe™ emergency autoland system.

The TBM 960's Prestige cabin, specifically designed for TBM travelers, offers a unique onboard experience that includes an enlightened ambiance with dimmable windows, touchscreen for climate control and lighting, as well as a range of amenities. The TBM 960 truly refines the sense of flight!



POWERPLANT

P&W CANADA PT6E-66XT TURBOPROP

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

PERFORMANCE

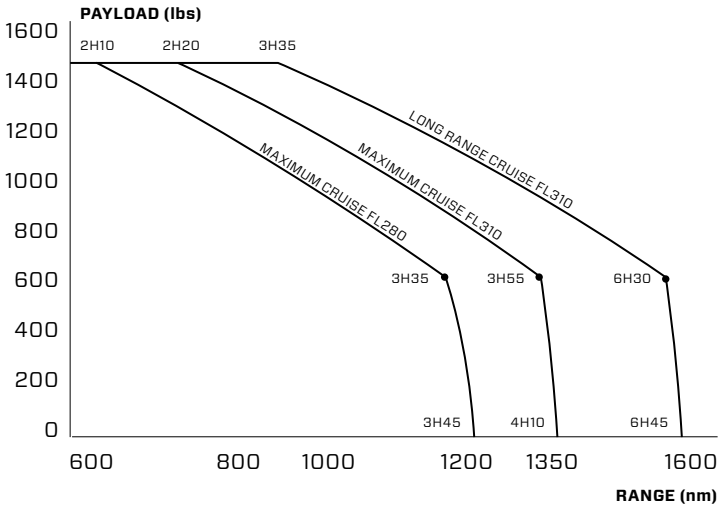
ISA CONDITIONS, MTOW, NO WIND

Cruise speed at max-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		18min 45sec
Certified ceiling	31,000 ft	9,449 m

MAX. RANGE WITH MAX. FUEL

ISA, MTOW, NO WIND, ONE PILOT,
45 MIN FUEL RESERVE, AT 31,000 FT

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



PAYLOAD RANGE (NM) WITH NBAA RESERVE
(IDO NM ALTERNATE + FUEL RESERVE)

LOADING

Basic empty weight - 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 fuel	888 lb	423 kg
Maximum luggage in storage areas (4 seats)	507 lb	230 kg
Maximum luggage in storage areas (6 seats)	330 lb	150 kg
Maximum luggage volume (large net)	35 cu.ft	0.989 cu.m

EXTERNAL DIMENSIONS

Wingspan	42.10 ft	12.83 m
Height(*)	14.29 ft	4.36 m
Length	35.22 ft	10.74 m

INTERNAL DIMENSIONS

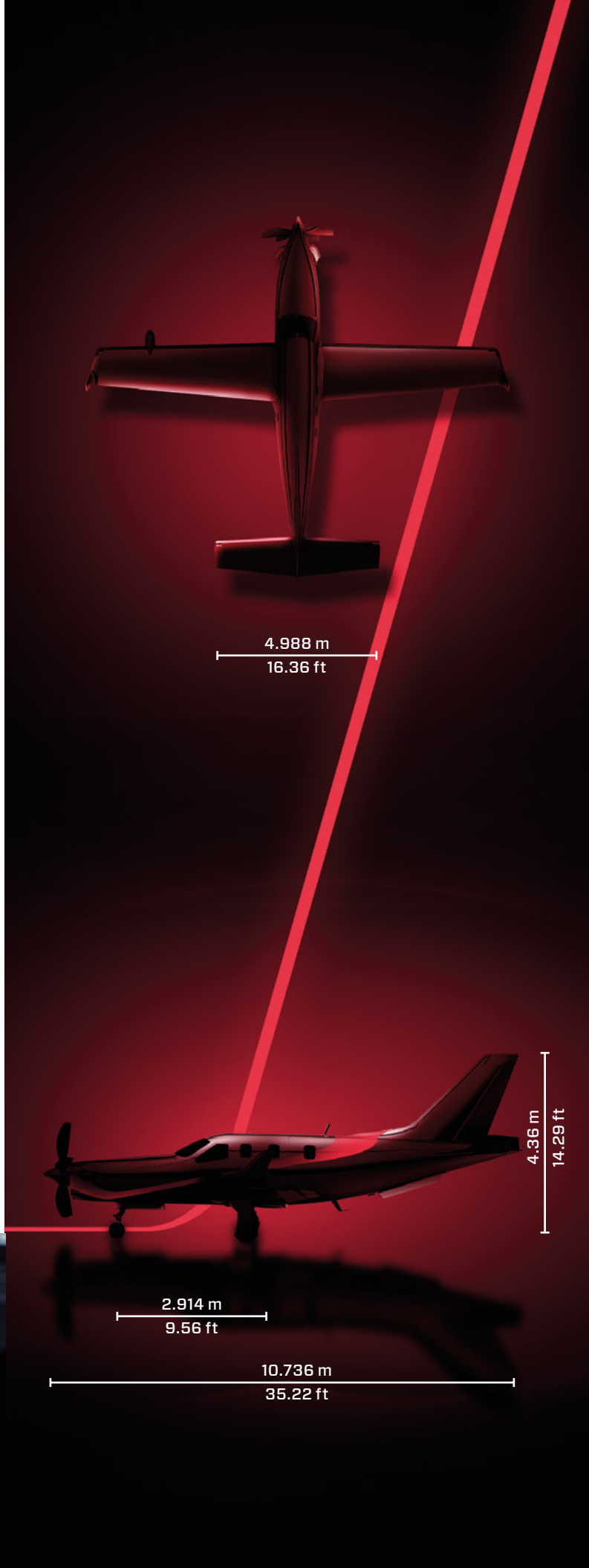
Maximum cabin width	3 ft 11 in	1.21 m
Maximum cabin length	13 ft 3 in	4.05 m
Maximum cabin height	4 ft	1.22 m
Maximum volume in cabin	123 cu.ft	3.5 cu.m

TAKE-OFF DISTANCE

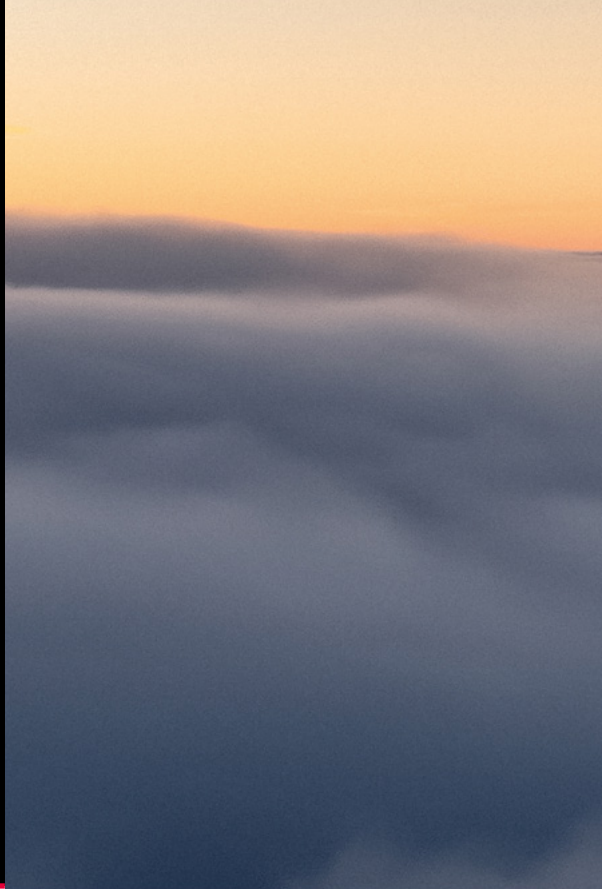
ISA CONDITIONS, MTOW, NO WIND, 50 FT. OBSTACLE CLEARANCE

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

(*) with fully extended forward shock-absorber. Contact a TBM sales representative for more precise informations



MODEL YEAR 2023 STANDARD DEFINITION



AIRFRAME

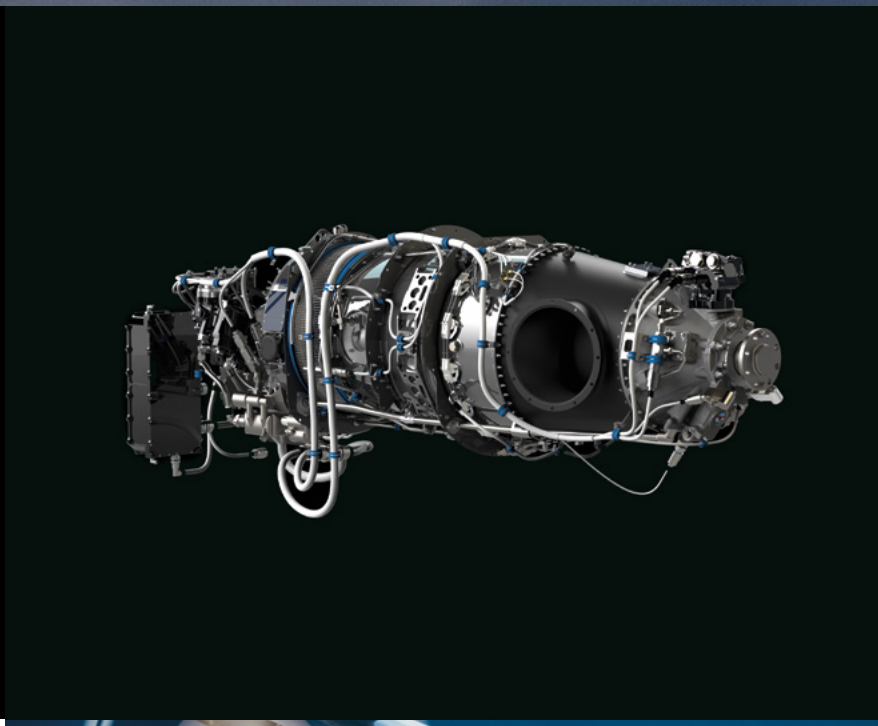
- Metal structure and skin paneling
- Carbon fiber engine cowling and winglets
- Anti-corrosion protection treatment
- Retractable landing gear with electro-hydraulic actuation
- Hydraulic disc brakes
- Pressurized (6.2 PSI) six-seat cabin and baggage compartment
- Sound proofing and thermal insulation
- Pilot access door
- Large access door with retractable stairway
- Emergency exit
- Front storage compartment (unpressurized) with lockable access door
- Easy maintenance access doors
- Wing tie-down attachments
- Jacking points
- Gaseous oxygen system for six seats, and quick donning masks with smart microphone for pilot and front passenger
- 5 different paint scheme designs available

CONTROLS

- Dual flight controls. Leather covered control wheel with eight integrated functions: Push-to-talk microphone button, autopilot, control wheel steering, electric pitch and yaw trim, transponder, radio frequency changer, checklist, timer
- Elevator, rudder and aileron electric trim
- Electrical pre-select flaps with integrated asymmetry detection system
- Central console including :
  - › New electronic single lever power control featuring autothrottle associated with engine smart single gauge
  - › Propeller ground feather push-button
- Electric flap control, fuel selector, manual pitch trim, aileron electric trim
- Adjustable rudder pedals
- Landing gear handle
- Dual toe brakes - parking brake
- Landing gear emergency extension handle
- Automatic environment and pressurization control system with maximum differential mode
- Alternate static source control
- Alternate ram air source control

ENGINE

- PT6E-66XT Pratt & Whitney Canada turboprop engine, developing 1,844 shp. thermodynamic, nominal power at 850 shp., with dual channel Engine and Propeller Electronic Control System
- Single switch automated start sequence and Data Collection and Transmission Unit (DCTU)
- Oil cooler
- Anti-icing air inlet with inertial separator, without operational limitation
- Dual exhaust system, aerodynamically optimized and polished
- Service access doors in cowling
- Dual engine chip metal detector with indication on multi-function display



PROPELLER

- New five-blade Hartzell Raptor™ lightweight composite propeller: constant speed, electrically de-iced, full feathering and reverse mode, fitted with specific beta-ring for engine control system compatibility
- Polished aluminum spinner dome

INSTRUMENTS & STANDARD AVIONICS

- 1 GMA 36B audio controller with Bluetooth audio link and integrated marker beacon receiver, intercom and public address capability
- 2 GDU 1250W, 12" WUXGA high-resolution Primary Flight Displays (PFDs)
- 1 GDU 1250W, 12" WUXGA high-resolution Multi-Function Display (MFD) with engine, pressurization, electrical, fuel, flaps and trim indications, Crew Alerting System (CAS), checklist capability, aircraft synoptics and navigation mapping system
- 2 GIA 64W, Nav/Com/ILS/WAAS GPS
- 2 GEA 71B, engine and airframe interface unit
- 2 GRS 79, Attitude and Heading Reference System (AHRS)
- 2 GMU 44 triaxial magnetometer
- 2 GDC 72, digital air data computers with dual probe system
- 1 GTX 345 Mode S extended squitter transponder (#1) ADS-B In and Out
- 2 GTC 580 tactile controllers, conveniently located on the reclined section of the panel
- 1 GMC 711 AT autopilot and autothrottle mode controller, located in upper central panel
- 4 GSA 81 torque flight servos (yaw, pitch, pitch trim and roll)
- 1 GSA 87 servo actuator for autothrottle
- 1 GTA 82 adapter for yaw auto trim device
- 1 Garmin 4G LTE/WiFi datalink transmitter, enabling automatic database upload and flight/engine data log uploading
- 1 MD 302 back-up attitude, airspeed, altitude and heading digital display, two-screen instrument with MD32 remote magnetometer
- Airframe de-icing control panel
- Inertial separator control
- Landing gear control panel
- Electric power generator control, with monitoring on the overhead panel
- Dedicated master warning and caution for Crew Alerting System message acknowledgement
- Voice alert system
- Cabin temperature control (dual zone, with override capability)
- Heated stall warning system
- Digital chronometer displayed on GDU
- Digital flight time hourmeter
- Instrument panel lighting; dedicated lighting for the circuit breaker panel
- Six Bose A20 headsets
- Flight data recorder

TBM® e-COPILOT

HOMESAFE®

- ESP / USP - Electronic Stability Protection and Underspeed Protection
- AOA / stall indicator and stick shaker; input from heated probe
- Smooth transition from barometric VNAV to glideslope path
- Surface Watch™ for airport environment awareness
- Automated ice protection system with ice detector
- LVL - Level button to roll level and altitude hold
- EDM - Emergency Descent Mode
- LPV, LNAV/VNAV (including Baro VNAV) approach support and advisory vertical guidance for LP, LNAV and visual approaches
- HomeSafe™ emergency autoland function

FUEL EQUIPMENT

- Design provision for operation without fuel system icing inhibitor additive
- One structural fuel tank per wing
- Engine-driven fuel pump
- Standby electrical fuel pump and low-pressure switch / indicator
- Fuel tank selector with automatic fuel tank sequencer unit
- Capacitive fuel gauges with low fuel level warning system

ICING PROTECTION

- Pneumatically deiced wing and tail sections
- Heated engine air intake lip
- Pilot controlled engine inertial separator
- Electrically heated propeller blades
- Electrically heated pitot tubes
- Electrically deiced stall warning sensor
- Electrically heated windshields: pilot and copilot / ice detector light

ELECTRICAL EQUIPMENT

- Automatic starter generator transition during start
- Lead acid battery: 24v 42 ah
- Starter generator: 28v 300 amp
- Standby generator: 28v 100 amp
- Electrical power control
- Circuit breakers
- LED anti-collision strobe lights for ground-based operations (winglets and tail)
- Navigation lights
- LED taxi and landing lights
- LED ice detection light
- Ground power plug
- Energy saver for ATC clearance while on ground
- Tri-band ELT with GPS connection
- One high-power USB-A charging port and five dual high-power USB-A/USB-C charging ports, plus 115V universal port

INTERIOR: THE PRESTIGE CABIN

- Seats and cabin design, with improved insulation, convenience side shelf, cupholders, headset holders, stowage area and ambient lighting
- Six heated seats with adjustable backrests, folding armrests and intermediate seats with forward or backward-facing positioning, with multiple installation configuration
- Configurable with four seats and two nets for luggage loading
- Seat side beam polished aluminum finish
- Fully adjustable (3-axis) pilot and co-pilot seats and adjustable rudder pedals
- Individual fresh air vents and finger-touch dimmable reading lights
- Touch screen for cabin climate control
- Pilot and co-pilot sun visors
- Powered headset jacks behind each seat (Bose Lemo plugs) and on the instrument panel
- Baggage compartment with straps and baggage net
- Halon cabin fire extinguisher
- Parking protection kit - Windshield cover
- New environmental control system with engine-driven air conditioning system (VCS)
- Cabin Cupholder in the rear armrest
- Coat Hanger
- Foldable cabin table