

# *P2010* *TBI*

IMPROVING PERFECTION





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**TBI**

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|                        |                                             |
|------------------------|---------------------------------------------|
| Fuel                   | Diesel/Jet A1 and SAF                       |
| Approval               | CS-23   FAR23                               |
| Flight rules           | VFR-VFR/N-IFR-PBN                           |
| Tailored for           | PPL+HB+VFR/N+IR+PBN+SLPC                    |
| Direct operating costs | USD 119.71/h - € 116,32/h incl. TBR reserve |

TRUSTED BY FLIGHT SCHOOLS WORLDWIDE



# P2010 TDI

IMPROVING PERFECTION

The **P2010 TDI** is where performance and comfort meet in one **complete IFR package**. **4 seats; 3 passenger doors; 1 baggage door**. Continental **CD-170**. Metal wings, landing gear and stabilator. Carbon fibre fuselage. Balanced controls. Unsurpassed stability.

**With the P2010 TDI your holidays will have a different taste.**

An aircraft that **burns just 6.3 US Gal per hour (less than 24 liters)** is no longer just a dream. It is no longer a dream to **cover almost 1,000nm or stay airborne for more than 14 hours** with the full-tank capacity of 63 US Gal (240 liters).

The TDI engine grants excellent **high-altitude performance with a fast cruise above 140 KTAS at 10,000ft** and a **service ceiling of 18,000 ft**.

**The P2010 TDI is the best way to reach your favorite destinations and live unforgettable moments.**



## Horsepower

170 hp



## Max Range

1.300 NM - 2.408 km



## Max Cruise

140 kts - 259 km/h



## Useful Load

893 lb - 405 kg



## POWERPLANT

The P2010 TDI is powered by the Continental CD-170, which is a liquid-cooled 4-cylinder in-line four-stroke Diesel engine with DOHC (double overhead camshaft). The valves are actuated by a cam follower. The operation of the direct Diesel injection engine is based on the common-rail technique and is turbo charged. The engine is controlled by a FADEC system that allows a management of power, with significant fully automatic mixture control (absence of related lever and always guarantees the best fuel/air ratio for every single cylinder). Engine monitoring is fully integrated inside the avionic suite screens.

## CABIN

Four seats, three passenger doors and one baggage door. This four-seater aeroplane boasts an expansive cabin featuring ergonomic front and rear seats with exceptional legroom and a separate third entry door. Alcantara leather and a dark ceiling improve your flying experience with unique elements. Your aircraft interior is made more exclusive with electrically adjustable comfort front seats, while guaranteeing absolute compliance with the industry's strictest standards.



## PERFORMANCE BASED NAVIGATION

The wide composite cabin allows for a large instrument panel with state-of-the-art avionics options: twin-screen G1000 Nxi IFR, new Flat-Panel Suite with integrated GFC700 autopilot. Performance-based Navigation (PBN), in simple terms, redefines the aircraft's required navigation capability from Sensor (equipment) Based to Performance-Based.



# TANGIBLE PROOF

Tecnam's choice of Jet-A1 fuel offers the following benefits:

- Reliability and safety thanks to the redundant **FADEC system (Full Authority Digital Engine Control)** without mechanical back-up;
- Significantly **lower operating costs due to lower consumption** and lower fuel prices for kerosene in many countries;
- **Comfortable operation;**
- **Jet fuel**, same as for civil and military jet aircraft;
- Compliance **with U.S. DoD requirements**: one single fuel;
- Consumption up to **50% (long-range cruise)** less fuel than comparable ignition engines;
- **Payload and range improvement;**
- **Instant start;**
- **Alternative choice** where AvGas is unavailable.

The **P2010 TDI** is ready to bring to your destination with **Sustainable Aviation Fuels (SAF)** which can save up to 80% net CO<sub>2</sub> emissions.



Specs

| PERFORMANCE                                              |            |            |
|----------------------------------------------------------|------------|------------|
| Continental CD-170 170 hp<br>3B Variable Pitch Propeller |            |            |
| Max Cruise Speed TAS                                     | 140 kts    | 259 km/h   |
| Stall Speed (Flaps Down Power Off) CAS                   | 53 kts     | 98 km/h    |
| Service Ceiling                                          | 18.000 ft  | 5.486 m    |
| Take-Off Run                                             | 1.457 ft   | 444 m      |
| Take-Off Distance                                        | 2.306 ft   | 703 m      |
| Rate of Climb                                            | 659 ft/min | 3,34 m/sec |
| Landing Run                                              | 902 ft     | 275 m      |
| Landing Distance                                         | 1.808 ft   | 551 m      |
| Range (60% PWR - 10.000 ft)                              | 1.300 NM   | 2.408 km   |

| DESIGN WEIGHT AND LOADING |          |          |
|---------------------------|----------|----------|
| Maximum Take Off Weight   | 2.690 lb | 1.220 kg |
| Empty Weight, Standard    | 1.797 lb | 815 kg   |
| Useful Load               | 893 lb   | 405 kg   |
| Baggage Allowance         | 88 lb    | 40 kg    |

| TIPICAL MISSION EXAMPLE            |       |                       |                    |
|------------------------------------|-------|-----------------------|--------------------|
| 432 nm FL90 Mission [MTOW] 75% PWR |       | 24,3 US gal - 92 lt   | 639 lb - 290 kg    |
| 610 nm FL90 Mission [MTOW] 75% PWR |       | 34,4 US gal - 130 lt  | 573 lb - 260 kg    |
| Mission #                          | % PWR | Fuel Consumption      | Speed              |
| 1                                  | 75%   | 6,9 US gal/h - 26lt/h | 119 ktas (6,000ft) |
|                                    |       |                       | 122 ktas (9,000ft) |
| 2                                  | 60%   | 6,3 US gal/h - 24lt/h | 105 ktas (6,000ft) |
|                                    |       |                       | 113 ktas (9,000ft) |

Standard Equipment

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Garmin G1000 Nxi</b><br>Includes: <ul style="list-style-type: none"><li>• GDU 1050 10-inches PFD</li><li>• GDU 1054 10-inches MFD</li><li>• Dual GEA 71B Engine &amp; Airframe unit</li><li>• Dual GIA 64WAAS Com/nav/GPS/GS/Loc</li><li>• GMA1360 Digital audio system</li><li>• GMU44B Magnetometer</li><li>• GDC72 Air data computer</li><li>• GRS79 AHRs</li><li>• GTP59 OAT</li><li>• GTX345R Mode S Transponder (ADS-B In and OUT)</li><li>• GFC 700 Autopilot Including Electronic Stability &amp; Protection (ESP)</li></ul>                    | <b>Electrical system</b> <ul style="list-style-type: none"><li>• Alternator, 28 Volt, 70 Amp</li><li>• Battery, 24 Volt 19 AH</li><li>• Rocker Switches:<ul style="list-style-type: none"><li>– Master Switch</li><li>– Fuel Pump</li><li>– Landing Light</li><li>– Taxi Light</li><li>– Navigation Lights</li><li>– Strobe Light</li></ul></li><li>• External Power Supply Receptacle</li><li>• Circuit Breaker Panel</li><li>• Static Discharge Wicks</li><li>• Landing/Taxi Light LEDI</li></ul>                                                                                                                                                                 | <b>Exterior</b> <ul style="list-style-type: none"><li>• Epoxy Corrosion Proofing, All Structure</li><li>• LH/RH Front Door Pilot/Co-Pilot, Lock and Key</li><li>• Rh Rear Door Passenger</li><li>• Rh Baggage Door With Lock</li><li>• Rear Window</li><li>• All Lateral Windows Tinted</li><li>• Fixed Landing Gear</li><li>• White Polyurethane Exterior Paint</li><li>• Tie Down Rings</li><li>• Main Wheels, 6.00 X 6</li><li>• Nose Wheel, 5.00 X 5</li></ul> |
| <b>Flight instruments and indicators</b> <ul style="list-style-type: none"><li>• Magnetic Compass</li><li>• GI 275/MD 302 Standby Attitude Module</li><li>• Pitot System Heated</li><li>• Static System</li><li>• Alternate Static Source</li><li>• Stall Warning Audible</li><li>• Stabilator Trim Position Indicator</li><li>• Rudder Trim Position Indicator</li></ul>                                                                                                                                                                                  | <b>Fuel system</b> <ul style="list-style-type: none"><li>• Two Integral Fuel Tanks With 240 Litres (64 US gal) Total Capacity</li><li>• Engine Driven Fuel Pump</li><li>• Auxiliary Fuel Pump, Electric</li><li>• Fuel Tank Quick Drain</li><li>• Fuel Selector Valve, Left/Right/Off</li></ul>                                                                                                                                                                                                                                                                                                                                                                     | <b>Cabin comfort system</b> <ul style="list-style-type: none"><li>• Windshield Defroster</li><li>• Ventilator adjustable, 4 Place</li><li>• Heating System</li><li>• Soundproofing</li><li>• Cabin Monoxide Detection System</li></ul>                                                                                                                                                                                                                             |
| <b>Flight controls</b> <ul style="list-style-type: none"><li>• Hydraulic Toe Brakes</li><li>• Parking Brake</li><li>• Electrical Flaps</li><li>• Dual Flight Controls</li><li>• Castering Nose Wheel</li><li>• Aileron Lock and Elevator Lock</li><li>• Flight Trim Controls<ul style="list-style-type: none"><li>– Rudder with Indicator</li><li>– Stabilator with Indicator</li></ul></li><li>• Engine Controls:<ul style="list-style-type: none"><li>– Power</li><li>– Alternate Air</li><li>– Fuel Control Selector with LH/RH/OFF</li></ul></li></ul> | <b>Exteriors lights</b> <ul style="list-style-type: none"><li>• Nav. Lights LED with Strobe Aveo Full LED TSO</li><li>• Landing/Taxi Light LED</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Powerplant and Propeller</b> <ul style="list-style-type: none"><li>• Continental CD170</li><li>• Tubular Steel Engine Mount</li><li>• Engine Driven Vacuum Pump</li><li>• Alternate Engine Air</li><li>• FADEC Power Lever</li><li>• Mixture Control</li><li>• MT - Constant speed propeller 3 blades</li><li>• Propeller Spinner</li><li>• Electric Starter</li></ul>                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Interiors</b> <ul style="list-style-type: none"><li>• Pilot and Co-Pilot Seats Leather:<ul style="list-style-type: none"><li>– Adjustable Fore and Aft</li><li>– Electric Vertical Adjustment</li></ul></li><li>• Two Rear Passenger Seats Leather</li><li>• Seat Belts &amp; Shoulder Harness, All Seats</li><li>• Wall To Wall Carpeting</li><li>• Hand Held Fire Extinguisher</li><li>• Map &amp; Storage Pockets</li><li>• USB socket Type C</li><li>• Radio Call Plate</li><li>• Tow Bar</li><li>• Soundproofing</li><li>• Luggage Compartment</li><li>• Overhead Cockpit Speaker</li><li>• Four Position Intercom System</li><li>• First Aid Kit</li></ul> | <b>Standard Avionics Package</b><br>also includes: <ul style="list-style-type: none"><li>• Altitude Encoder</li><li>• Avionics Master Switch</li><li>• Mic &amp; Phone Jacks / Lemo Plug Pilot/Copilot/Passengers</li><li>• Hand Held Microphone</li><li>• Avionics Circuit Breaker Panel</li><li>• Pilot And Co-Pilot PTT</li><li>• ELT 406</li></ul>                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Antennas</b> <ul style="list-style-type: none"><li>• Marker Beacon Antenna</li><li>• Transponder Antenna</li><li>• VHF Antenna</li><li>• NAV Antenna</li><li>• Emergency Locator Transmitter Antenna</li></ul>                                                                                                                                                                                                                                                  |



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*M*anufacturing an aircraft is not just a job, it is a challenge for perfection,  
driven by infinite passion and dedication

Paolo Pascale Langer | CEO

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# P2010 TBI



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