

TECNAM P2010 TDI Model Guide

The TECNAM P2010 TDI is a single-engine piston aircraft powered by a turbocharged Continental TAE 125-02-125 diesel with a three-blade constant-speed MT propeller. The Tecnam P2010 family carries up to 4 passengers. This guide draws on the AFM (Ed.2 Rev.4) and a coolant service bulletin.

KEY TAKEAWAYS

- Diesel engine: 168 hp for take-off (5 min max), 153 hp max continuous. Burns Jet A-1 or EN 590 diesel.
- MTOW is 1160 kg (2557 lb), or 1200 kg (2645 lb) on aircraft with MOD2010/207. Check which applies.
- Priority 1 Continental coolant bulletin SB CG 125-1030 P1 Rev. 3: ask for the coolant analysis records.
- Family-level figures only: up to 715 nm range and 133 kt cruise across P2010 variants, not this variant's figures.

ENGINE, PROPELLER AND FUEL

Continental TAE 125-02-125: liquid-cooled, 4-cylinder in-line, turbocharged diesel with an electric starter. Take-off power is 125 kW / 168 hp at 2300 rpm (5 min max). Continuous power is 114 kW / 153 hp at 2250 rpm. The propeller is an MT MTV-6-R/190-69, 1900 mm. Fuel is Jet A-1 or diesel EN 590.

SIZE AND WEIGHTS

Wing span 10.30 m / 33.79 ft, length 7.91 m / 25.95 ft, height 2.84 m / 9.32 ft. Cabin width is 1.14 m / 3.74 ft. MTOW and maximum landing weight are both 1160 kg (2557 lb). Aircraft with MOD2010/207 are rated at 1200 kg (2645 lb), so confirm the modification status.

COOLANT BULLETIN TO VERIFY

Continental SB CG 125-1030 P1 Rev. 3 (16 September 2024) covers coolant contamination that may cause corrosion, coolant loss and overheating. For the P2010 TDI, SB 719-CS also applies. Analysis is due after 50 flight hours on a coolant fill. If aluminum or fluoride exceeds its limit, a cylinder head exchange is requested.

SPECIFICATIONS

Max Takeoff Weight Lbs	2557
Max Landing Weight Lbs	2557
Max Takeoff Power Hp	168
Max Continuous Power Hp	153
Wing Span Ft	33.79
Length Ft	25.95
Height Ft	9.32
Cabin Width Ft	3.74

V-SPEEDS

Best Glide Speed Kts	79
----------------------	----

WEIGHT & BALANCE

Max Takeoff Weight Lbs	2557
Max Landing Weight Lbs	2557
Max Takeoff Weight Mod2010 207 Lbs	2645

SAFETY NOTES

- On FADEC backup battery only, never activate FADEC FORCE B. It shuts down the engine.
- On diesel fuel, operation at fuel temperatures of -5°C or below is not allowed.
- The coolant bulletin says further operation is not permitted until the analysis results are available.