

P2010 P TwentyTen MkII



SPECIFICATION AND DESCRIPTION



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This document applies only to the Tecnam P2010 Twenty Ten and is published for the purpose of providing general information for the evaluation of design, powerplant, performance and equipment.



Should more information be required, please contact:

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GENERAL DESCRIPTION

The P2010 is where performance and comfort meet in one sexy IFR package. 4 seats. 3 passenger doors. 1 baggage door. Lycoming 180 or 215hp engines. Metal wings, landing gear and stabilator. Carbon fibre fuselage. Balanced controls. Unsurpassed stability.

The state of the art Tecnam P TwentyTen is the most advanced high wing modern single engine aircraft in the marketplace.

The introduction of the P TwentyTen MkII satisfies the needs of even the most demanding and discerning private owners, offering superior performance as well as the most up to date avionics suite from GARMIN.



This four-seater aeroplane brings together an advanced technology all carbon fibre fuselage with a metal wing and stabilator, an expansive cabin featuring ergonomic front and rear seats with exceptional legroom and a separate third entry door.

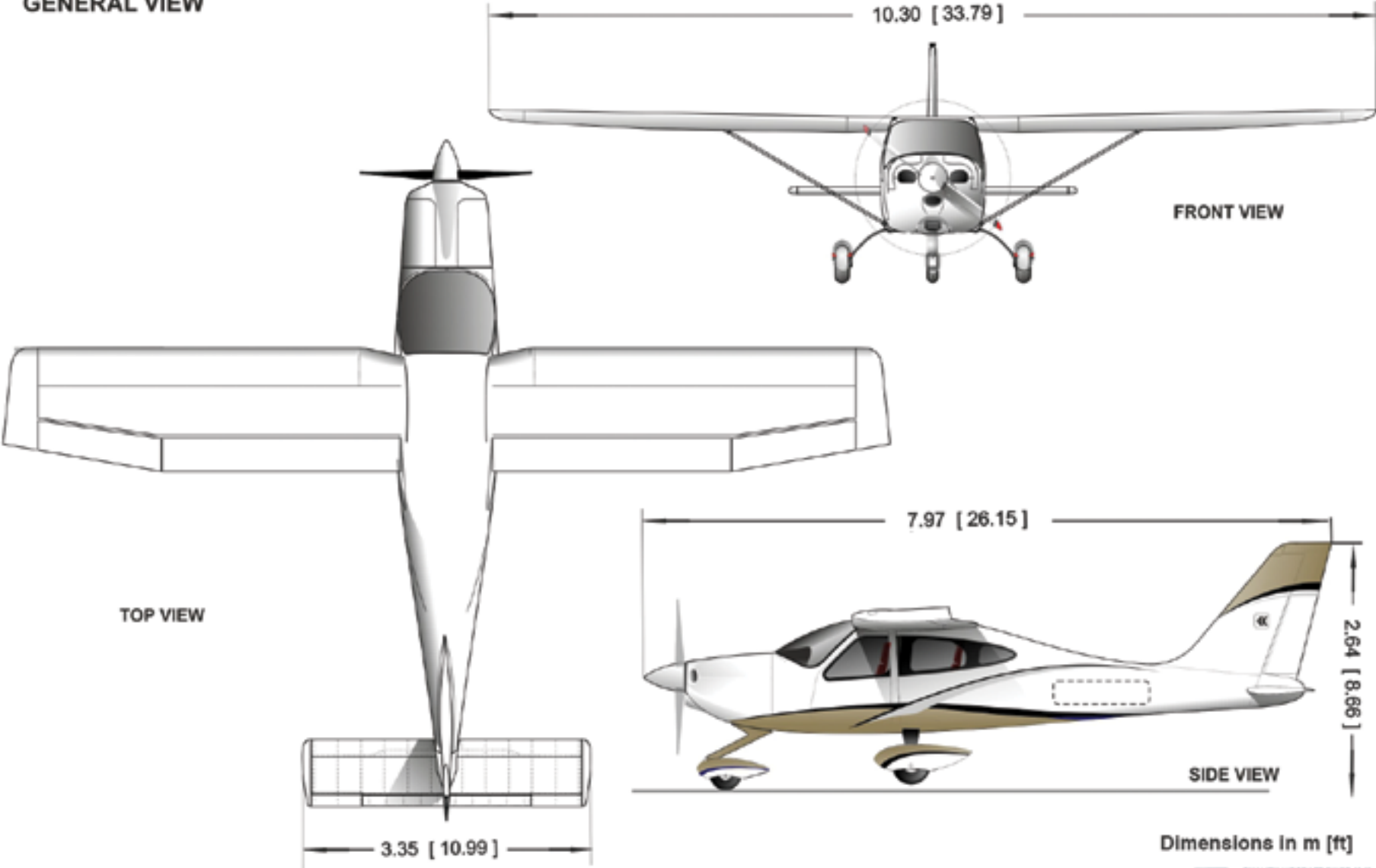
The wide composite cabin allows for a large instrument panel with state of art avionic options: twin-screen G1000 Nxi IFR, new Flat-Panel Suite with integrated GFC700 autopilot.

Carbon fibre ensures smooth surfaces and allows for an elegance and styling you would expect from Tecnam's Italian design team. Metal is used for the wing and stabilator to provide further strength and stability. The wing is based on the well-proven NACA63A aerofoil. Through partial tapering, the design brings it close to the optimal lift distribution (elliptical). The all movable type (stabilator) horizontal tail, a trade mark of all Tecnam aeroplanes, allows for excellent controllability and 'hands off' longitudinal stability.

Certification

The Model P Twenty Ten is certified to the requirements of EASA CS-23 - FAR 23 including day, night, VFR and IFR. Export certification requirements may require additional equipment and charges.

**TECNAM P2010
GENERAL VIEW**



Dimensions in m [ft]



EXTERIOR AND INTERIOR DIMENSIONS

Dimensions	ft	m
Height	8.66	2.64
Length	26.15	7.97

Wing	ft	m
Span	33.79	10.3
Area	149 ft ²	13.9 m ²

Cabin	ft	m
Height	3	0,91
Width	3.74	1,14

Baggage Door	ft	m
Height	1.28	0,39
Width	1.57	0,48

Cabin Door	ft	m
Height (front)	3.05	0,93
Height (rear)	3,00	0,91
Width (top)	2.88	0,88
Width (bottom)	2,33	0,71



DESIGN WEIGHT AND LOADING	STANDARD IO-360		P2010 MkII 390	
	lb	kg	lb	kg
Maximum Take Off Weight	2,557	1.160	2,557	1.160
Empty Weight, Standard	1,665	755	1,698	770
Useful Load	893	405	860	390
Baggage allowance	88	40	88	40

PERFORMANCE	IO-360-M1A 180 hp				IO-390-C3B6 215 hp	
	2B Fixed Pitch Propeller		2B Variable Pitch Propeller		3B Variable Pitch Propeller	
Max Cruise Speed KTAS	134 kts	248 km/h	137 kts	254 km/h	146 kts	270 km/h
Stall Speed (Flaps Down Power Off) KCAS	52 kts	96 km/h	52 kts	96 km/h	52 kts	96 km/h
Practical ceiling	12000 ft	3658 m	12000 ft	3658 m	12000 ft	3658 m
Take off run	1365 ft	416 m	1102 ft	336 m	951 ft	290 m
Take off distance	2054 ft	626 m	1952 ft	595 m	1558 ft	475 m
Rate of climb	784 ft/min	4 m/sec	841 ft/min	4 m/sec	1100 ft/min	5,6 m/sec
Landing Run	778 ft	237 m	778 ft	237 m	778 ft	237 m
Landing Distance	1709 ft	521 m	1709 ft	521 m	1709 ft	521 m
Range	591 NM	1094 km	600 NM	1111 km	593 NM	1098 km

All estimated performance data are based on aeroplane weights at MTOW; standard atmospheric conditions; level, hard surface, dry runways, no wind.

POWERPLANT & ACCESSORIES

The P Twenty-Ten in its standard configuration is powered by the renowned 180 HP Lycoming IO-360 and has a high fuel capacity (240lt, 63.4 US gallons). Of course, carbon fibre equals a lighter and more fuel efficient economical aeroplane.

The MkII version is powered by Lycoming's IO-390-C3B6 engine that provides 215 hp @ 2,700 rpm, coupled with a variable-pitch propeller.

IO-360-M1A 180 hp



Power: 180 hp@2700 RPM

Fuel: Unleaded Aviation Fuels: UL91 or higher per ASTM D7547 or Automotive Fuels: 93 AKI or equivalent per ASTM D4814. Please refer to Lycoming Engines SI 1070 for a complete listing of approved fuels.

IO-390-C3B6 215 hp



Power: 215 hp@2700 RPM

Fuel: UL100 or 100LL

Both Engines:
Tubular Steel Engine Mount
Dynafoal Rear Mount
Alternate Engine Air
Oil Cooler
Induction Air Filter
Throttle Control
Mixture Control
Propeller Control (Variable Pitch only)
Dual Ignition System, Shielded Magneto
Engine Exhaust Muffler
Propeller Spinner



STANDARD EQUIPMENT

- **G1000 Nxi** Integrated Flight Deck System, includes:
 - GDU 1050 10-inches PFD
 - GDU 1050 10-inches MFD
 - Dual GEA 71 Engine & Airframe unit
 - Dual GIA 63WAAS Com/Nav/GPS/GS/Loc
 - GMA1347 Digital audio system
 - GMU44 Magnetometer
 - GDC72 Air data computer
 - GRS79 AHRS
 - GTP59 OAT
 - GTX345R Mode S Transponder (ADS-B IN and OUT)

FLIGHT INSTRUMENTS and INDICATORS

- Magnetic Compass
- MD 302 Standby Attitude Module
- Pitot System Heated
- Static System
- Alternate Static Source
- Stall Warning Audible
- Stabilator Trim Position Indicator
- Rudder Trim Position Indicator

FLIGHT CONTROLS

- Hydraulic Toe Brakes
- Parking Brake
- Electrical Flaps
- Dual Flight Controls
- Castering Nose Wheel
- Ailerons Lock and Elevator Lock
- Flight Trim Controls:
 - Rudder with Indicator
 - Stabilator with Indicator
- Engine Controls:
 - Throttle
 - Mixture
 - Alternate Air
- Fuel Control Selector with LH/RH/OFF



ELECTRICAL SYSTEM

- Alternator, 28 Volt, 60 Amp
- Battery, 24 Volt 8.0 AH
- Rocker Switches:
 - Master Switch
 - Fuel Pump
 - Landing Light

- Taxi Light
- Navigation Lights
- Strobe Light
- External Power Supply Receptacle
- Circuit Breaker Panel
- Static Discharge Wicks
- Landing/Taxi Light LED

STANDARD EQUIPMENT

FUEL SYSTEM

Two Integral Fuel Tanks With 240 Litres (64 Us Gal) Total Capacity
 Engine Driven Fuel Pump
 Auxiliary Fuel Pump, Electric
 Fuel Tank Quick Drain
 Fuel Selector Valve, LH/RH/OFF

INTERIOR

Pilot and Co-Pilot Seats Leather
 Adjustable Fore and Aft
 Vertical Adjustment
 Two Rear Passenger Seats Leather
 Seat Belts & Shoulder Harness, All Seats
 Wall To Wall Carpeting
 Hand Held Fire Extinguisher
 Map & Storage Pockets
 Radio Call Plate
 Tow Bar
 Soundproofing
 Luggage Compartments
 Overhead Cockpit Speaker
 Four Position Intercom System
 First Aid Kit

EXTERIOR

Epoxy Corrosion Proofing, All Structure
 LH/RH Front Door Pilot/Co-Pilot, Lock and Key
 RH Rear Door Passenger
 RH Baggage Door With Lock
 Rear Window
 All Lateral Windows Tinted
 Fixed Landing Gear

White Polyurethane Exterior Paint
 Tie Down Rings
 Main Wheels, 6.00 X 6
 Nose Wheel, 5.00 X 5

EXTERIOR LIGHTS

Nav. Lights LED With Strobe AVEO Full LED TSO
 Landing/Taxi Light LED

CABIN COMFORT SYSTEM

Windshield Defroster
 Ventilator Adjustable, 4 Place
 Heating System
 Soundproofing
 Cabin Monoxide Detection System

POWERPLANT & ACCESSORIES

Fuel Injection System
 Tubular Steel Engine Mount
 Dynafocal Rear Mount
 Engine Driven Vacuum Pump
 Alternate Engine Air
 Oil Cooler
 Shock Mounted Cowling
 Throttle Control
 Mixture Control
 Dual Ignition System, Shielded Magneto
 Engine Exhaust Muffler
 Propeller Spinner
 Electric Starter

PRODUCT SUPPORT/DOCUMENTS

Manufacturer's Full Two Year Limited Warranty
 Pilot's Operation Handbook
 Maintenance Manual
 Parts Catalogue
 Aircraft Log Book
 Engine Log Book

STANDARD AVIONICS PACKAGE

Also includes:

Altitude Encoder
 Avionics Master Switch
 Mic & Phone Jacks Pilot/Copilot/Passengers
 Hand Held Microphone
 Avionics Circuit Breaker Panel
 Pilot And Co-Pilot PTT
 ELT 406 mhz
 DME KING KN63 – Displayed on PFD

Antennas:

- Marker Beacon Antenna
- Transponder Antenna
- VHF Antenna
- NAV Antenna
- Emergency Locator Transmitter Antenna

OPTIONS

- A) Leather anthracite gray
- B) Medium gray



- A) Leather anthracite light gray
- B) Anthracite gray

Standard Interior comes with blue seats and ivory cabin.

Premium option makes your aircraft more luxurious: Alcantara leather and a dark ceiling exceed your flying experience with a unique blend of ingredients.

Your aircraft interior is now more exclusive with electrically adjustable comfort front seats while guaranteeing absolute compliance with the industry's strictest standards.

OPTION LIST

Code	Kg	Description
P201	10	Autopilot GFC700 Garmin – Fully integrated two-axis
P202	4.5	ADF RA3502 Becker remote unit
P203	10	TAS GTS 800 Garmin with Dual GA58
P204	4.5	Interior Premium Edition: leather electrically adjustable seats (front), Matte Grey interior finishing, chrome metallic badge
P205	2.9	Special Paint two colours
P206	9	MT 2 Blade VP Propeller (Exchange for Standard Fixed Pitch Propeller – only IO-360)
P207	10	MT 3Blade VP Propeller MTV-12-B/183-59b (Exchange for Standard Fixed Pitch Propeller – only IO-360)
P208		Flight Stream 510 Garmin
P209		Fuselage Cover
P210	1.5	Metallic paint, (requires option P205)
P211		Disassembling and packing in one 40 ft container

PAINT SCHEMES

Standard



St1 — Colour Stripes



St2 — Colour Stripes



St3 — Colour Stripes



St4 — Colour Stripes



Special Paints

NEW PAINT



Sp1



A — Paint — Stripes



Sp2



B — Paint — Stripes



Sp3



C — Paint — Stripes





Pascale Museum at Tecnam Headquarters Capua

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