

# P2010 P TwentyTen MkII



**SPECIFICATION AND DESCRIPTION**



QUALITY AIRCRAFT SINCE 1948

**TECNAM**

## 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.



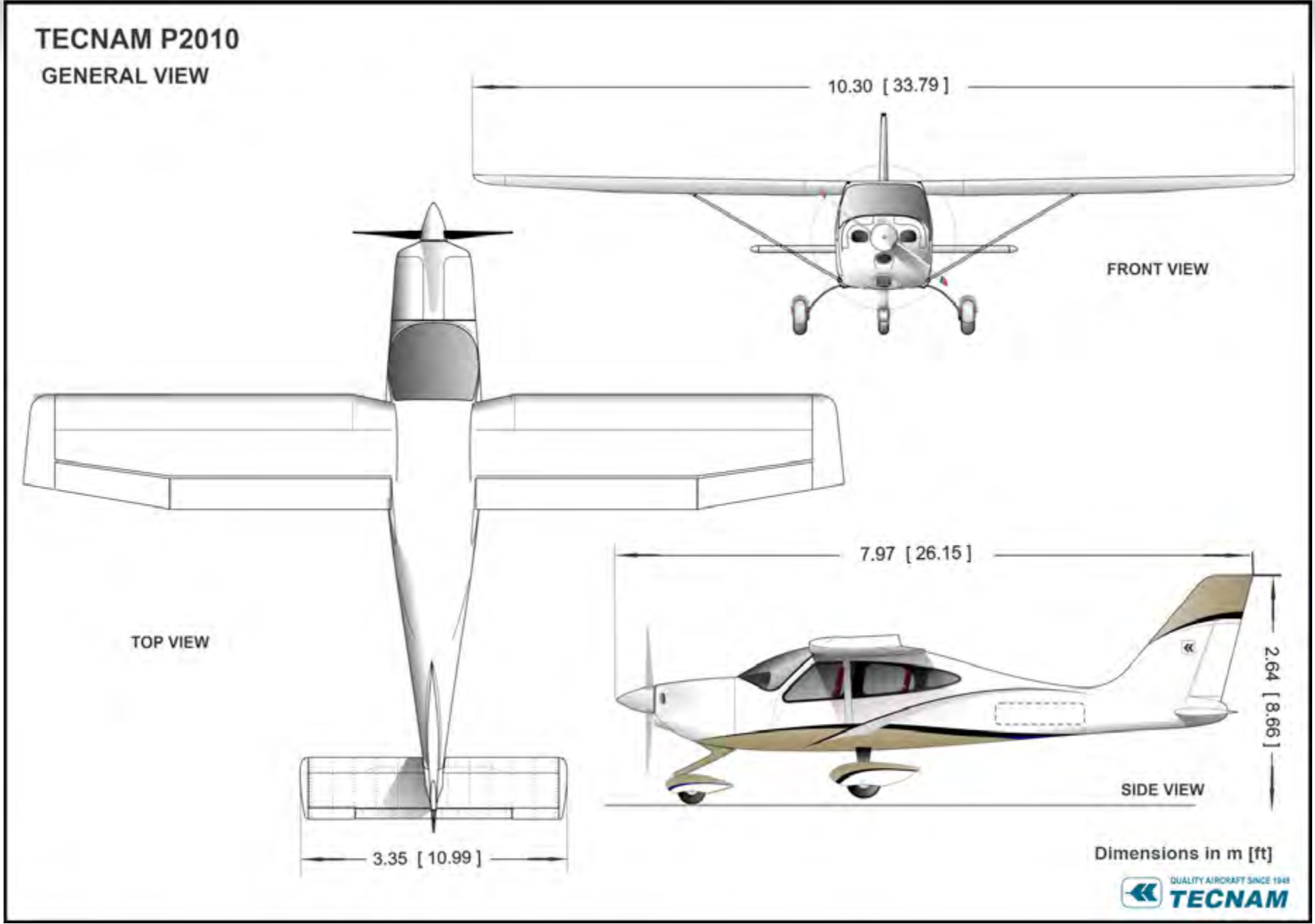
This four-seater aeroplane brings together an advanced technology all carbon fibre fuselage with a metal wing and stabilator, an expansive cabin featuring ergonomic front and rear seats with exceptional legroom and a separate third entry door.

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

### 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.

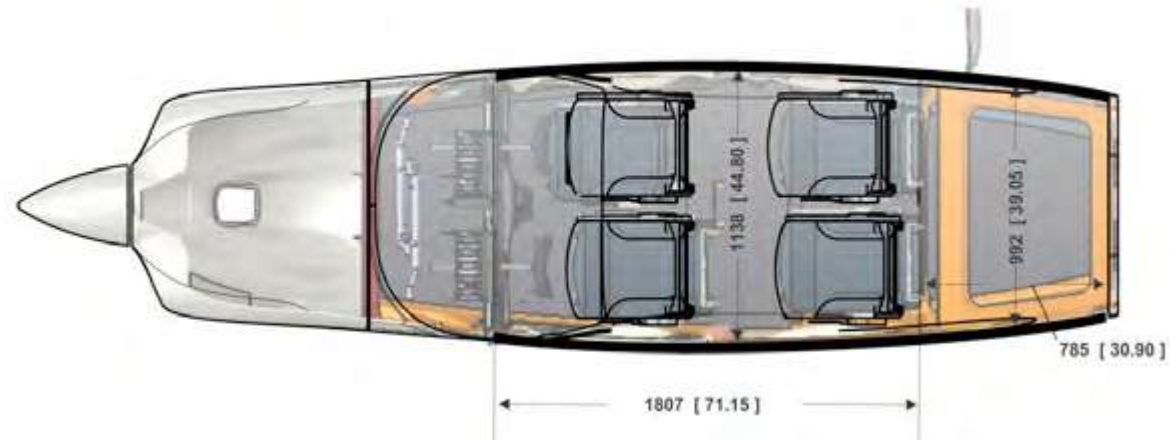


## EXTERIOR AND INTERIOR DIMENSIONS

Dimensions	ft	m
Height	8.66	2.64
Length	26.15	7.97

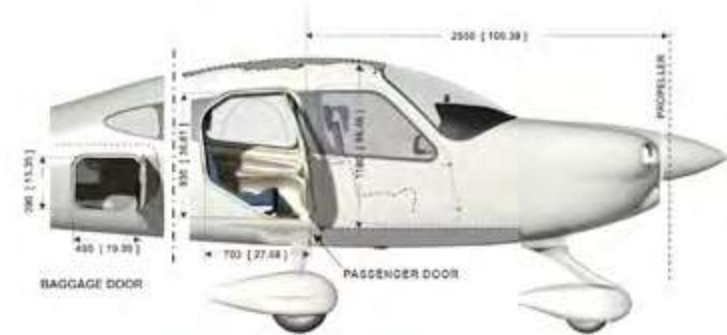
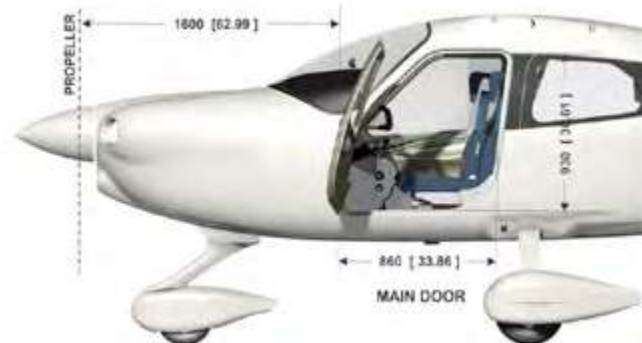
Wing	ft	m
Span	33.79	10.3
Area	149 ft <sup>2</sup>	13.9 m <sup>2</sup>

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



<b>DESIGN WEIGHT AND LOADING</b>	<b>STANDARD IO-360</b>		<b>P2010 MkII 390</b>	
	<b>lb</b>	<b>kg</b>	<b>lb</b>	<b>kg</b>
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

<b>PERFORMANCE</b>	<b>IO-360-M1A 180 hp</b>				<b>IO-390-C3B6 215 hp</b>	
	<b>2B Fixed Pitch Propeller</b>		<b>2B Variable Pitch Propeller</b>		<b>3B Variable Pitch Propeller</b>	
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

**LYCOMING**

## 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 GARMIN 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

### Antennas:

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

## P2010 180 HP

**POWERPLANT**  
IO-360-M1A 180 hp  
Fixed Pitch 2 Blade MT Propeller

Empty Weight 755 kg -1665 lbs



**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.

## P2010 215 HP

### POWERPLANT

IO-390-C3B6 215 hp

3 Blade MT VP Propeller

Power: 215 hp@2700 RPM

Fuel: UL100 or 100LL

Empty Weight 770 kg - 1698 lbs



# INTERIOR

**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.

## PREMIUM CHOICE



- A) Leather anthracite gray
- B) Medium gray

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

# PREMIUM INTERIOR



The Italian flair is not only external, but now also at your finger tips, because we have spent a great deal of time to improve every detail of the interior.

A completely new designed interior with a choice of leather seat colours, new dark material for the ceiling and the sidewalls, dimmable LED lights, USB chargers put your aircraft at the top level of comfort. It is your aeroplane, your lifestyle and you deserve the best.



Electrically adjustable comfort front seats



12V and USB chargers

P2010 Premium Interior

# PAINT SCHEMES

Standard



St1 — Colour Stripes



St2 — Colour Stripes



St3 — Colour Stripes



St4 — Colour Stripes



Special Paints

Sp1



A — Paint — Stripes



Sp2



B — Paint — Stripes



Sp3



C — Paint — Stripes







Pascale Museum at Tecnam Headquarter Capua

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