SPECIFICATION AND DESCRIPTION
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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Introduction

All information here applies to the Tecnam model P2010 P TwentyTen equipped with the Lycoming IO-360 and Lycoming IO-390 engines.

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 Garmin G1000 or 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.
## EXTERIOR AND INTERIOR DIMENSIONS

### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>ft</th>
<th>m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>8.8</td>
<td>2.70</td>
</tr>
<tr>
<td>Length</td>
<td>25.9</td>
<td>7.9</td>
</tr>
</tbody>
</table>

### Wing

<table>
<thead>
<tr>
<th>Dimension</th>
<th>ft</th>
<th>m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span</td>
<td>33.79</td>
<td>10.3</td>
</tr>
<tr>
<td>Area</td>
<td>149 ft²</td>
<td>13.9 m²</td>
</tr>
</tbody>
</table>

### Cabin

<table>
<thead>
<tr>
<th>Dimension</th>
<th>ft</th>
<th>m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>3</td>
<td>0.91</td>
</tr>
<tr>
<td>Width</td>
<td>3.74</td>
<td>1.14</td>
</tr>
</tbody>
</table>

### Baggage Door

<table>
<thead>
<tr>
<th>Dimension</th>
<th>ft</th>
<th>m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>1.28</td>
<td>0.39</td>
</tr>
<tr>
<td>Width</td>
<td>1.57</td>
<td>0.48</td>
</tr>
</tbody>
</table>

### Cabin Door

<table>
<thead>
<tr>
<th>Dimension</th>
<th>ft</th>
<th>m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (front)</td>
<td>3.05</td>
<td>0.93</td>
</tr>
<tr>
<td>Height (rear)</td>
<td>3.00</td>
<td>0.91</td>
</tr>
<tr>
<td>Width (top)</td>
<td>2.88</td>
<td>0.88</td>
</tr>
<tr>
<td>Width (bottom)</td>
<td>2.33</td>
<td>0.71</td>
</tr>
</tbody>
</table>
### DESIGN WEIGHT AND LOADING

<table>
<thead>
<tr>
<th></th>
<th>STANDARD IO-360</th>
<th>P2010 MkII 390</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Take Off Weight</td>
<td>2,557 lb 1.160 kg</td>
<td>2,557 lb 1.160 kg</td>
</tr>
<tr>
<td>Empty Weight, Standard</td>
<td>1,665 lb 755 kg</td>
<td>1,698 lb 770 kg</td>
</tr>
<tr>
<td>Useful Load</td>
<td>893 lb 405 kg</td>
<td>860 lb 390 kg</td>
</tr>
<tr>
<td>Baggage allowance</td>
<td>88 lb 40 kg</td>
<td>88 lb 40 kg</td>
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</tbody>
</table>

### PERFORMANCE

<table>
<thead>
<tr>
<th></th>
<th>IO-360-M1A 180 hp</th>
<th>IO-390-C3B6 215 hp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Cruise Speed KTAS</td>
<td>134 kts 248 km/h</td>
<td>146 kts 270 km/h</td>
</tr>
<tr>
<td>Stall Speed (Flaps Down Power Off) KCAS</td>
<td>52 kts 96 km/h</td>
<td>52 kts 96 km/h</td>
</tr>
<tr>
<td>Practical ceiling</td>
<td>12000 ft 3658 m</td>
<td>12000 ft 3658 m</td>
</tr>
<tr>
<td>Take off run</td>
<td>1365 ft 416 m</td>
<td>951 ft 290 m</td>
</tr>
<tr>
<td>Take off distance</td>
<td>2054 ft 626 m</td>
<td>1558 ft 475 m</td>
</tr>
<tr>
<td>Rate of climb</td>
<td>784 ft/min 4 m/sec</td>
<td>1100 ft/min 5,6 m/sec</td>
</tr>
<tr>
<td>Landing Run</td>
<td>778 ft 237 m</td>
<td>778 ft 237 m</td>
</tr>
<tr>
<td>Landing Distance</td>
<td>1709 ft 521 m</td>
<td>1709 ft 521 m</td>
</tr>
<tr>
<td>Range</td>
<td>591 NM 1094 km</td>
<td>593 NM 1098 km</td>
</tr>
</tbody>
</table>

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

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**Both Engines:**

- Tubular Steel Engine Mount
- Dynafocal 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
Garmin G1000 Legacy PACKAGE
- GARMIN G1000 Legacy Integrated Flight Deck System
- GDU 1040 10-inch PFD
- GDU 1040 10-inch MFD
- GE67 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

ENGINE INSTRUMENTS
- JPI EMS 4 Cyl. For L/R 2 tanks setup complete primary package with senders, includes:
  - Tachometer-Hour Recorder
  - Manifold Pressure
  - Oil Pressure and Temperature
  - Fuel Press
  - Fuel Flow
  - LH/RH Fuel Quantity
  - CHT - Cylinder Head Temperature
  - EGT - Exhaust Gas Temperature
  - Ammeter
  - Voltmeter
  - Annunciator Panel – Caution and Warning Alerts

FLIGHT CONTROLS
- Hydraulic Toe Brakes
- Parking Brake
- Electrical Flaps
- Dual Flight Controls
- Castering Nose Wheel
- Ailerons 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
- Rocker Switches:
  - Master Switch
  - Fuel Pump
  - Landing Light
  - Taxi Light

Empty Weight 755 kg
P2010-360 STANDARD EQUIPMENT

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

Throttle Control
- Mixture Control
- Dual Ignition System, Shielded Magneto
- Engine Exhaust Muffler

POWERPLANT & ACCESSORIES
- Fixed Pitch 2 Blade MT Propeller
- 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
- Altitude Encoder
- Avionics Master Switch
- Mic & Phone Jacks Pilot/Co-pilot/Passengers Hand Held
- Microphone
- Avionics Circuit Breaker Panel
- Pilot And Co-Pilot Ptt
- Elt 406 Artex

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

FUEL SYSTEM
- Two Integral Fuel Tanks With 240 Litres 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
  - Adjustable Fore and Aft
  - Vertical Adjustment
- 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

CABIN COMFORT SYSTEM
- Windshield Defroster
- Ventilator Adjustable, 4 Place
- Heating System
- Soundproofing
- Cabin Monoxide Detection System

POWERPLANT & ACCESSORIES
- Lycoming IO-360-M1A Engine
  - 180 HP @ 2700 RPM
- Fuel Injection System
- Tubular Steel Engine Mount
- Dynafocal Rear Mount
- Engine Driven Vacuum Pump
- Alternate Engine Air
- Oil Cooler
- Shock Mounted Cowling
P2010-MkII 390 EQUIPMENT

- Lycoming IO390 215 HP Engine
- G1000 Nxi Integrated Flight Deck System, includes:
  - GDU 1050 1O-inches PFD
  - GDU 1050 1O-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)
- 3 Blades VP Propeller

ENGINE IO390 ONLY AVAILABLE WITH G1000 Nxi and 3 Blades VP Propeller

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

ENGINE INSTRUMENTS
- JPI EMS 4 Cyl. For L/R 2 tanks setup complete primary package with senders, includes:
  - Tachometer-Hour Recorder
  - Manifold Pressure
  - Oil Pressure and Temperature
  - Fuel Press
  - Fuel Flow

- LH/RH Fuel Quantity
- CHT - Cylinder Head Temperature
- EGT - Exaust Gas Temperature
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- Voltmeter
- Annunciator Panel – Caution and Warning Alerts

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

Empty Weight 770 kg
## ELECTRICAL SYSTEM
- Alternator, 28 Volt, 60 Amp
- Battery, 24 Volt
- Rocker Switches:
  - Master Switch
  - Fuel Pump
  - Landing Light
  - Taxi Light
  - Navigation Lights
  - Strobe Light
- External Power Supply Receptical
- Circuit Breaker Panel
- Static Discharge Wicks

## FUEL SYSTEM
- Two Integral Fuel Tanks With 240 Litres 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
  - Adjustable Fore and Aft
  - Vertical Adjustment
- Seat Belts & Shoulder Harness, All Seats
- Wall To Wall Carpeting
- Hand Held Fire Extinguisher
- Map & Storage Pockets
- Radio Call Plate
- Tow Bar
- Soundproofing

## CABIN COMFORT SYSTEM
- Windshield Defroster
- Ventilator Adjustable, 4 Place
- Heating System
- Soundproofing
- Cabin Monoxide Detection System

## POWERPLANT & ACCESSORIES
- Lycoming IO-390-C3B6
  - 215 hp @ 2700 RPM
- Fuel Injection System
- Tubular Steel Engine Mount
- Dynafocal Rear Mount
- Engine Driven Vacuum Pump

## EXTERIOR LIGHTS
- Nav. Lights LED With Strobe Aveo Full LED TSO
- Landing/Taxi Light LED

## 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

## 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 Artex
  - Antennas:
    - Marker Beacon Antenna
    - Transponder Antenna
    - VHF Antenna
    - Nav Antenna
    - Emergency Locator Transmitter Antenna

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    - Transponder Antenna
    - VHF Antenna
    - Nav Antenna
    - Emergency Locator Transmitter Antenna
**INTERIOR**

**Standard Interior** comes with blue seats and ivory cabin.

**Premium option** makes your aircraft more precious: Alcantara leather and a dark ceiling improve your flying experience with unique 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
Optional Extras

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.
Many colour options for your to choose: from base Standard livery to the Special Paint Two colours. 
More info on: colors.tecnam.com
## OPTIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Kg</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P01</td>
<td>10</td>
<td>Autopilot GFC700 Garmin - Fully integrated two-axis</td>
</tr>
<tr>
<td>P02</td>
<td>4.5</td>
<td>ADF Becker RA3502 remote unit</td>
</tr>
<tr>
<td>P03</td>
<td>10</td>
<td>TAS Garmin GTS 800 with Dual GA58</td>
</tr>
<tr>
<td>P04</td>
<td>2.5</td>
<td>Interior Premium Edition: leather seats, electrically adjustable (front), Matte Grey interior finishing, chrome metallic badge.</td>
</tr>
<tr>
<td>P05</td>
<td>2.5</td>
<td>Special Paint two colours</td>
</tr>
<tr>
<td>P06</td>
<td>9</td>
<td>MT 2 Blade V.P. Propeller (Exchange for Standard Fixed Pitch Propeller only for IO-360)</td>
</tr>
<tr>
<td>P10</td>
<td>10</td>
<td>MT 3 Blade V.P. Propeller MTV-12-B/183-59b (Exchange for Standard. Fix Propeller only for IO-360)</td>
</tr>
<tr>
<td>P09</td>
<td></td>
<td>Fuselage Cover</td>
</tr>
</tbody>
</table>

## NOTES