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:

Costruzioni Aeronautiche Tecnam srl
Via Maiorise 81043 Capua CE -Italy

Tel. +39 0823 622297
Fax. +39 0823 622899

www.tecnam.com
info@tecnam.com

http://www.tecnam.com/aircraft/p2010/
GENERAL DESCRIPTION


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 better engine 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 forward and rear seats with exceptional legroom and a separate third entry door.

The wide composite cabin allows for a large instrument panel with three avionic options: analogue IFR, a Garmin G500 IFR or the next generation twin-screen Garmin 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 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.
### Dimensions

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

### Wing

<table>
<thead>
<tr>
<th></th>
<th>ft</th>
<th>m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span (overall)</td>
<td>33.79</td>
<td>10.3</td>
</tr>
<tr>
<td>Area</td>
<td>149 ft²</td>
<td>13.9 mq</td>
</tr>
</tbody>
</table>

### Cabin

<table>
<thead>
<tr>
<th></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></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></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>
All estimated performance data are based on airplane 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 imp. gal). Of course, carbon fibre equals a lighter and therefore more fuel efficient and most economical aeroplane.

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

**Powerplant & Accessories**

**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.

**Power:** 215 HP @ 2700 RPM

**Fuel:** UL100 or 100LL

---

**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 G500 FLIGHT DISPLAY
GDU 620 Dual 6.5 inch diagonal color LCD
GRS-77 AHRS
GDC-74A Air Data Computer with OAT Probe
GMU-44 Magnetometer
GTP59
GA 35 GPS/WAAS, antenna

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
Ammeters

FLIGHT CONTROLS
Hydraulic Toe Brakes
Parking Brake
Electrical Flaps
Dual Flight Controls
Castering Nose Wheel
Aileron 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 Receptical
Circuit Breaker Panel
Static Discharge Wicks

FUEL SYSTEM
Two Integral Fuel Tanks With 210 Litres Total Capacity
Engine Driven Fuel Pumps
Auxiliary Fuel Pump, Electric
Fuel Tank Quick Drain
Fuel Selector Valve, Left/Both/Right

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

**EXTERIOR**
Epoxy Corrosion Proofing, All Structure
LH/RH Front Door Pilot/Co-Pilot, Lock and Key
Rh Rear Door Passenger
Rh Bagagge 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

**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
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 Catalog
Aircraft Log Book
Engine Log Book

**STANDARD GARMIN AVIONICS PACKAGE**
GMA 340 Audio Panel
GTN 650 COM/NAV/GPS
GTX345R Mode S Transponder (ADSB IN/OUT)
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
STANDARD AVIONICS

STANDARD GARMIN AVIONICS PACKAGE

- GMA 340 Audio Panel
- GTN 650 COM/NAV/GPS
- GTX345R Mode S Transponder (ADSB IN and OUT)
- 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

Empty Weight 736 kg
Export certification requirements may require additional equipment and charges. Options also pictured.

**AVIONICS OPTION 1**

Garmin G500 IFR PACKAGE
*Includes the following equipment:*

- GNC 255A Com/Nav
- DME - King KN63 with KD572 Indicator
- Pitot System Heated
- Alternate Static Source
- Rocker switches:
  - Pitot Heat
  - Map Light
  - Day / Night
  - Emg. Light
- Interior Lighting:
  - Panel Light
  - Emergency Light
  - Pilot/Copilot Cabin Overhead Lights, 2
  - Passenger Overhead Light, 2
  - Map Light, 1
  - Interior Lights Dimming Control, 7
  - Avionics Radios internally lighted
  - Compass internally lighted
  - Rocker Switches Internally Lighted, All

*Non-Additive. Replaces all Standard Avionics.*

Empty Weight 744 kg
AVIONIC OPTION 2

Garmin G1000 PACKAGE
Includes the following equipment:

- GARMIN G1000 Legacy Integrated Flight Deck System
- GDU 1040 10-inch PFD
- GDU 1040 10-inch MFD
- 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 (ADSB IN and OUT)

Non-Additive. Replaces all Standard Avionics.

Empty Weight 755 kg
AVIONICS OPTION 3

P2010 MkII 390

Includes the following equipment:

- Lycoming IO390 215 HP Engine
- 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 (ADSB IN/OUT)
- 2-Blades VP Propeller

ENGINE IO390 ONLY AVAILABLE WITH G1000 Nxi and VP Propeller

Non-Additive. Replaces all Standard Avionics

Export certification requirements may require additional equipment and charges. Options also pictured.

Empty Weight 765 kg
Many color options for your to choose: from base Standard livery to the Special Paint Two colors. More info on: colors.tecnam.com
**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 interiors is now more exclusive and comfortable while guaranteeing absolute compliance with the industry's strictest standards.

**OPTIONS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Kg</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P01</td>
<td>10</td>
<td>GFC700 Garmin - Fully integrated two-axis Autopilot</td>
</tr>
<tr>
<td>P02</td>
<td>4,5</td>
<td>RA3502 ADF Becker remote unit</td>
</tr>
<tr>
<td>P03</td>
<td>10</td>
<td>GTS 800 Garmin TAS with Dual GA58</td>
</tr>
<tr>
<td>P04</td>
<td>2,5</td>
<td>Interior Premium Edition</td>
</tr>
<tr>
<td>P05</td>
<td>2,5</td>
<td>Special Paint two colors</td>
</tr>
<tr>
<td>P06</td>
<td>9</td>
<td>MT 2 Blade VP Propeller (Exghange for Standard Fixed Propeller)</td>
</tr>
<tr>
<td>P09</td>
<td></td>
<td>Fuselage Cover</td>
</tr>
</tbody>
</table>