

# P2008JC MkII



## SPECIFICATION AND DESCRIPTION

QUALITY AIRCRAFT SINCE 1948  
 **TECNAM**

## SPECIFICATION AND DESCRIPTION

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**Innovation is in the air**

This document applies only to the Tecnam P2008JC MkII and is published for the purpose of providing general information for the evaluation of design, powerplant, performance and equipment.



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# GENERAL DESCRIPTION

## P2008JC MkII

**Innovation is in the air**

The single-engined Tecnam P2008's versatility and ease of use has established it as both the aircraft of choice for Flight Training Organisations worldwide as well as recreational flyers alike.

The Tecnam P2008JC MkII is the best in its class, incorporates a level of comfort, quality and efficiency that have made it the ideal touring aircraft, assuring pilots and passengers alike of a very comfortable environment and the smoothest of flight experiences.

With its carbon fibre fuselage, metal wings and stabilator, the Tecnam P2008JC MkII has a vast number of advantages over traditional aircraft.

The combination of both composite material and metal has resulted in a more fuel efficient and much quieter aircraft. Pilots appreciate the quality and security built into this popular Tecnam design. The P2008 MkII features a number of significant enhancements including new design of the dashboard and glare shield for the introduction of the GARMIN's innovative G3X Touch with two large 10.6-inch displays that significantly improves the level of comfort for passengers and pilots alike. Each display provides pilots with an intuitive split-screen mode with the option to view PFD, MFD, and engine information on a single display.

Synthetic vision (SVX™) is a standard feature on G3X Touch, which provides a rich, three-dimensional depiction of terrain, obstacles, water features, the runway environment, and more.

The P2008JC is available as VFR Day and VFR Night. This version has a new improved lighting system featuring both ambient light and dimmer switches and MD302 backup attitude instrument. Customers can also choose the propeller available as 2 or 3 blades, for those pilots flying on noise-restricted airfields.

### Construction

The P2008JC MkII has both metal wings and a metal stabilator. Tecnam chose to construct the P2008 with metal wings and stabilator structures for strength, reliability, and the ability to flex in flight, thereby ensuring a more comfortable ride. To produce the desired increase in cabin width and greater aerodynamic efficiency, Tecnam chose carbon fibre.

The wing is based on the well-known NACA63A airfoil, and through partial tapering, it is brought close to the optimal lift distribution (elliptical). The single-slot flaps extend along much of the

wing span. The Frise type aileron along with the taper design provides a high rate of roll. The all movable type (stabilator) horizontal tail, traditional on Tecnam aircraft, allows excellent controllability and excellent "hands off" longitudinal stability.

### Landing Gear

The main springleaf landing gear, including wheels, tires and fairings, are the same as all of the other non-retractable Tecnam models. This design has withstood the test of time and extensive use in flight training environments.

The newly designed nose gear is free castoring and consists of a tubular steel leg, connected to the lower engine mount attachments and is braced by an oleo pneumatic shock absorber that provides excellent ground load absorption. All of the landing gear is faired to minimise drag, ground steering is by differential braking.

### Certification

The Tecnam P2008JC MkII is delivered in full compliance with the requirements of EASA CS-VLA.

## CABIN

The cabin offers newly designed seats and seat rails which are easily operated and adjustable fore and aft via a single handle with a reinforced area between the rails to make cabin access even easier. A roomy baggage compartment with internal access accommodates voluminous items.

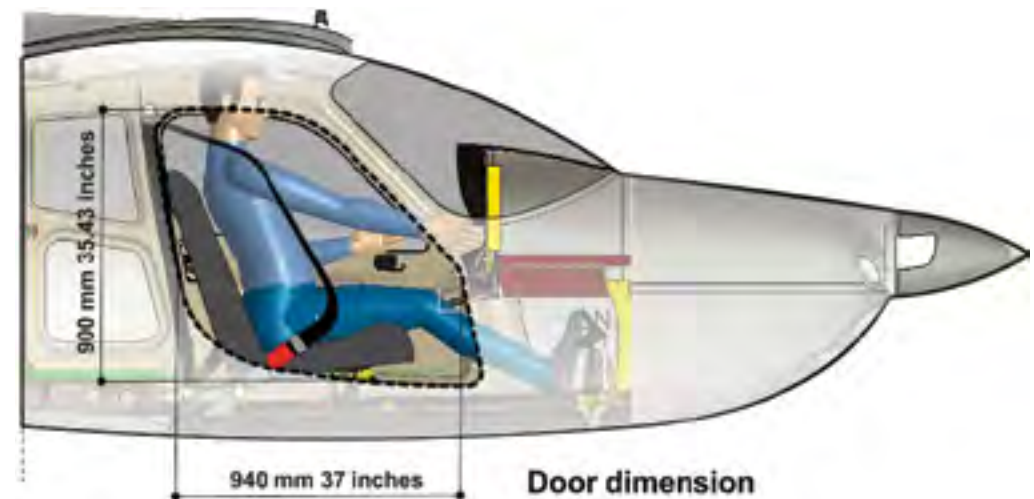
A wide cockpit panel provides plenty of room for glass panel avionics. A comfortable armrest and USB charger round out the luxurious interior. Everything about the Tecnam P2008JC i MkII is designed to allow you and your passenger to experience the most outstanding style, comfort, and beauty of flight..

Demanding owners can also choose Premium interior, with a dark styling of the cabin and ceiling, new design of the doors, coupled with premium leather seats.

Enjoy the P2008JC MkII

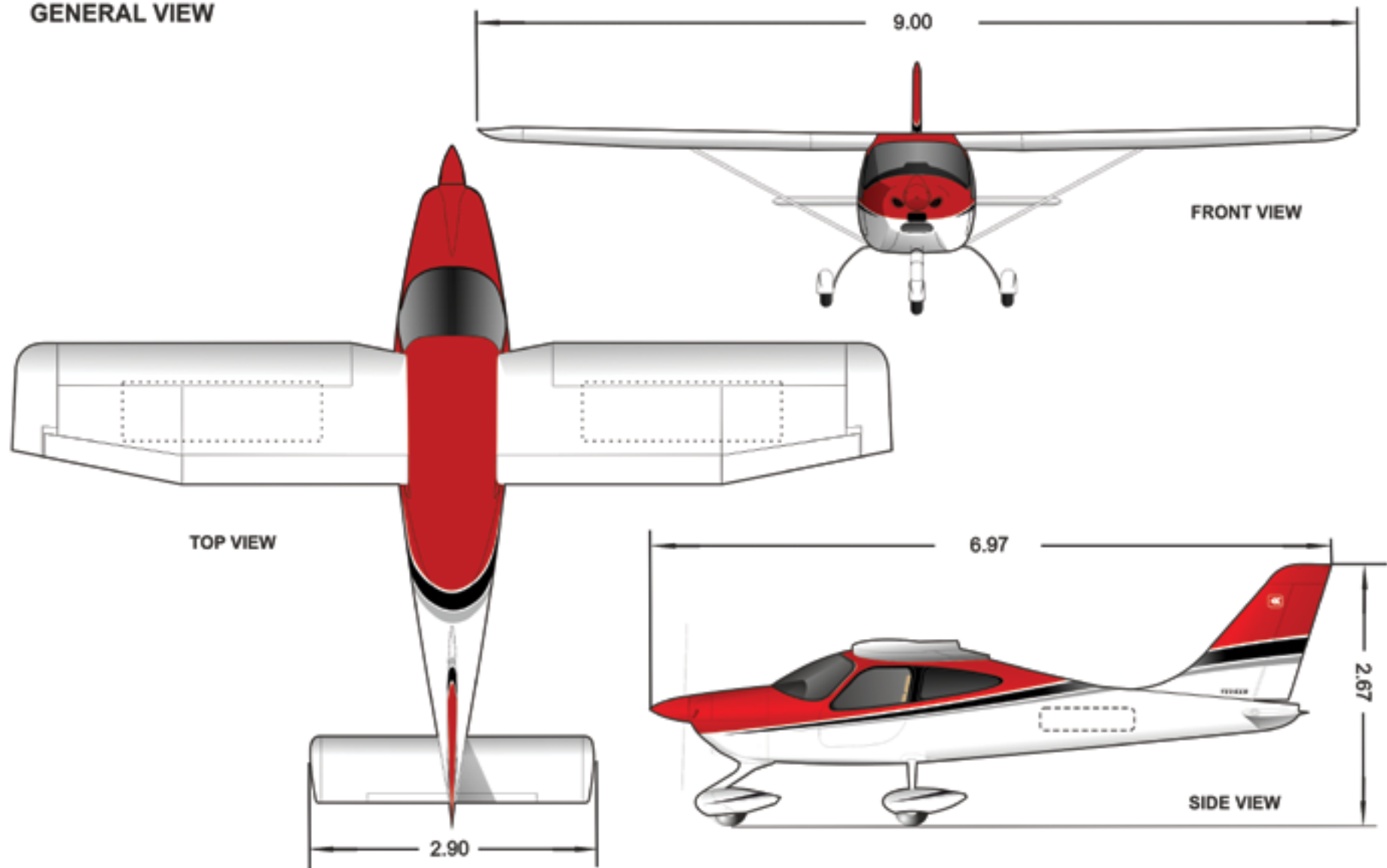
Cabin	ft	m
Height	3	0,91
Width	3.9	1,2

Baggage Compartment		
Width	2.95ft	0,90m
Length	1.64ft	0,50m
Height	1.64ft	0,50m
Volume	8cu.ft	225lt
Max. permissible load	44lb	20kg



## EXTERIOR

**TECNAM P2008 MkII**  
**GENERAL VIEW**



## DIMENSIONS

Wing	ft	m	Dimensions	ft	m
Span (overall)	29.5	9	Overall Height	8.76	2,67
Area	131ft <sup>2</sup>	12.2 sqm	Overall Length	22.87	6,97
Dihedral	1°				
Aspect ratio	6.7				

## DESIGN WEIGHT AND LOADING

	P2008JC MkII	
	kg	lb
Maximum Take Off Weight	650	1,433
Empty Weight, Standard	400	882
Useful Load	250	551
Baggage allowance	20	44

## PERFORMANCE

	P2008JC MkII	
	Fixed Propeller	
Max Cruise Speed KTAS	120 kt	222 km/h
Stall Speed (Flaps Down Power Off) KCAS	44 kt	81 km/h
Practical ceiling	14000 ft	4267 m
Take off run	679 ft	207 m
Take off distance	1404 ft	428 m
Landing Run	568 ft	173 m
Landing Distance	1253 ft	382 m
Rate of climb	755 ft/min	3,8 m/sec
Range	703 NM	1302 km



RAF Flying Clubs

LOT Academy





## POWERPLANT & ACCESSORIES

The P2008JC MkII is powered by the ROTAX 912 S2 engine. This powerplant and associated cowlings are similar to all of the existing Tecnam line models with few modifications. The P2008JC MkII has higher fuel capacity than the existing line (55x2 lt - 14.5x2 US Gal) and tanks are installed in the wing box, behind the main spar. This is to preserve their integrity in case of a crash landing and to minimize fire potential. The instrument panel size is increased to match the additional cabin width. It is modular in design and can accommodate the most complete instrumentation.

### ROTAX 912 S2

**ROTAX**  
AIRCRAFT ENGINES

- 4-cylinders
- 4-stroke liquid-/air-cooled engine with opposed cylinders
- Dry sump forced lubrication with separate oil tank, automatic adjustment by hydraulic valve tappet
- Mechanical fuel pump
- Dual electronic ignition
- Propeller speed reduction unit
- Air intake system
- Gearbox Reduction Ratio 2,43:1



P2008JC MkII



AVIONICS OPTIONS



# STANDARD EQUIPMENT

## DUAL DISPLAY GDU 460 SYSTEM WITH EIS

Two GDU 460 Display  
Two GSU25 ADAHRS  
GEA 24 Unit Only  
GMU 22, Unit only  
GTP59  
G3X Installation Kit  
Two GSU 25 Inst & Conn. Kit  
GEA 24 Conn. Kit  
GMU 22 Connector and install rack kit  
GAP 26 unheated

## FLIGHT CONTROLS

Hydraulic Toe Brakes  
Parking Brake  
Electrical Flaps, preselect  
Dual Flight Controls  
Castering Nose Wheel  
Stabilator Trim (Electric actuated from stick)

## OTHER INSTRUMENTS / INDICATORS / WARNINGS

Fuel Indicator RH and LH  
Warning Light:  
- Low Oil pressure  
- Low Fuel pressure  
- Alt. Out  
- Fuel Pump ON

## ENGINE CONTROLS

\_ Central Quadrant With Single Throttle Lever  
\_ Throttle  
\_ Choke  
Flight Trim Controls  
\_ Stabilator with Indicator  
Fuel Control Selector ANDAIR  
Panel Switches:  
\_ Split Starter  
\_ Avionic  
Starter Key ACS

## ELECTRICAL SYSTEM

12 VOLT 18A AMP. Battery  
12 VOLT Alternator 20 AMP.  
Switches:

\_ Avionic Master  
\_ Fuel Press  
\_ Nav. Lights  
\_ Landing Light  
\_ Strobe Light  
12 VOLT socket  
External Power Supply Receptical  
Auxiliary Alternator 40A  
Circuit Breaker Panel

## FUEL SYSTEM

Two Integral Fuel Tanks With 120 Litres Total Capacity  
Engine Driven Fuel Pump  
Fuel Quick Drain  
Electrical Fuel Pump

## INTERIOR

Pilot And Copilot Seats  
\_ Adjustable Fore and Aft  
Seat Belts & Shoulder Harness, All Seats  
Wall To Wall Carpeting  
Map and Storage Pockets  
Luggage Compartments  
Fire Extinguisher  
Radio Call Plate  
Soundproofing  
First Aid Kit

## EXTERIOR

Epoxy Corrosion Proofing, All Structure  
Lh/Rh Front Door Pilot/Copilot, Lock And Key  
All Lateral Windows Tinted  
Main Wheels, 5,00 X 5  
Nose Wheel, 5,00 X 5  
Stall Warning

## EXTERIOR LIGHTS

Nav. Lights LED with strobe AVEO full LED TSO  
Taxi Light LED

## CABIN COMFORT SYSTEM

Windshield Defroster  
Ventilator Adjustable, 2 Place  
Heating System

## POWERPLANT AND PROPELLER

ENGINE - 1 ROTAX 912S2 100 HP, 4 Cylinders  
liquid/air cooled, integrated reduction gear  
Dual Ignition System  
Throttle Control  
Tubular Steel Engine Mount  
Propeller - Hoffman, 2 Blade Fix  
Propeller Spinner  
Air Filter  
Oil Filter  
Oil And Water Coolers  
Carburetor Heat With Manual Control  
Thermostat Valve Water And Oil  
Auxiliary Alternator

## PRODUCT SUPPORT/DOCUMENTS

Manufacturers Full Two Year Limited Warranty  
Pilots Operation Handbook  
Maintenance Manual  
Parts Catalog  
Aircraft Log Book  
Engine Log Book

## STANDARD GARMIN AVIONICS PACKAGE

GMA 345 Audio Panel  
GNC 255A Com/Nav  
GTX 335 Transponder ADS-B OUT  
ELT 406 Mhz  
Antennas:

- 35 GPS/WAAS
- GA56
- Transponder
- COM1
- VOR
- ELT
- Marker Beacon

Speakers  
Microphone  
Stick Push-To-Talk Switch, Pilot/Copilot  
Mic & Phone Jacks, Pilot/Copilot

## STANDARD AVIONICS VFR DAY



### **GARMIN G3X 10'' MKII VFR DAY PACKAGE** *Includes the following equipment:*

GMA 345 Audio Panel  
GNC 255A Com/Nav  
GTX 335 Transponder  
ELT 406 Mhz

#### Antennas:

- 35 GPS/WAAS
- GA56
- Transponder
- COM1
- VOR
- ELT
- Marker Beacon

Speakers

Microphone

Stick Push-To-Talk Switch-Pilot/Copilot

Mic & Phone Jacks-Pilot/Copilot

Empty Weight 415 kg

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

## VFR NIGHT

**GARMIN G3X 10" MKII VFR NIGHT PACKAGE**

*Includes the following equipment:*

- Trim Indicator
- Chronometer
- Heated Pitot
- GILL 25A Battery
- Instrument Light
- Emergency Light
- Map Light
- Dimmers
- Landing/Taxi Light LED
- Nav. Light LED
- Compass Lighted
- Alternate Static Source
- Day & Night Switch
- MD302 - Standby Attitude Module Digital
- Analogue Indicators:
  - RPM
  - Oil Temp
  - Head Temp
  - Volt
- Warning Light:
  - Pitot Heat
  - High Oil Press





## PAINT SCHEMES

## Standard



## St1 \_ Colour Stripes



## St2 \_ Colour Stripes



## St3 \_ Colour Stripes



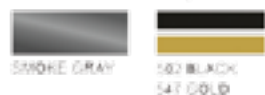
## St4 \_ Colour Stripes



## Special Paint



## Sp1 \_ Paint \_ Stripes



## Sp2 \_ Paint \_ Stripes



## Sp3 \_ Paint \_ Stripes



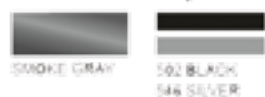
## Sp4 \_ Paint \_ Stripes



## Special Paint



## Sp1 \_ Paint \_ Stripes



## Sp2 \_ Paint \_ Stripes



## Sp3 \_ Paint \_ Stripes



## Sp4 \_ Paint \_ Stripes



## NEW PAINT



## P2008JC OPTION LIST

### AUDIO, RADIO & NAVIGATION EQUIPMENT

cod kg

#### GARMIN-COM/NAV/GPS

- |     |      |  |
|-----|------|--|
| 201 | 1,04 | GARMIN GTR225A 10W COM 8.33 KHZ WITH ANTENNA AND INST.                                       |
| 202 | 1,38 | GARMIN GTR225B 16W COM 8.33 Khz with Antenna and Inst.                                       |
| 203 | 1,57 | MD200 VOR Indicator Only for GNC255A   |
| 204 | 3    | GTN 650 Com/Nav/Gps with Antennas, Triplex and inst. With GI106A Ind.                        |
| 205 | 3    | GTN 650 Com/Nav/Gps with Antennas, Triplex. & inst. With GI106A Ind.(Exch. for Std. GNC255A) |

#### GARMIN-TRASPONDER

- |     |      |   |
|-----|------|---|
| 206 | 1,45 | GTX 345 TRANSPONDER MODE S ADS-B IN/OUT PANEL MOUNTED WITH GPS, ANTENNA TDX AND INST. (EXCH FOR STD GTX335) |
|-----|------|---|

#### BENDIX KING

- |     |      |                                    |
|-----|------|------------------------------------|
| 207 | 1,27 | KR 87 ADF with KI227 Indicator     |
| 208 | 1,27 | DME KN63 14 with KDI 572 Indicator |

#### OTHERS

- |     |      |  |
|-----|------|--|
| 209 | 0,29 | Power Flarm TRX1500- AT-1  |
| 212 |      | Coolant Operating Cabin Heating System (Exch. Std. Heating System) |

#### INTERIOR/EXTERIOR

- |     |  |  |
|-----|--|--|
| 213 |  | CS-VLA Special Paint   |
| 214 |  | P2008 Premium Edition  |
| 215 |  | P2008 ABS interiors painted matt grey 2 tones -included in Premium Edition |
| 216 |  | Metallic Paint Upgrade - Requires Special Paint                            |

#### ENGINE and PROPELLER EQUIPMENT

- |     |  |  |
|-----|--|--|
| 215 |  | MT ground adjustable 3 bladed propeller (exchange for Std FIX Prop.) for Noise Reduction |
|-----|--|--|

#### OTHERS & ACCESSORIES

- |               |  |                                   |
|---------------|--|-----------------------------------|
| 219           |  | Clear-Com Headset, two            |
| 220           |  | BOSE A20 Headset, two             |
| 221           |  | Fuselage Cover                    |
| 222           |  | Controls Locker                   |
| 223           |  | Towing Bar                        |
| J C -<br>pack |  | P2008JC Disassembling and Packing |



## NOTES




SEVENAIR Portuguese Academy fleet



Pascale Museum at Tecnam Headquarters, Capua

## Costruzioni Aeronautiche Tecnam SpA

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