P2008JC

SPECIFICATION AND DESCRIPTION

QUALITY AIRCRAFT SINCE 1948
TECNAM

SPECIFICATION AND DESCRIPTION

P2008JC

Innovation is in the air

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

Pascale Museum at Tecnam Headquarter Capua

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All information here applies to the Tecnam model P2008JC equipped with the Rotax 912 S2 engine.

GENERAL DESCRIPTION

P2008JC

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 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-fiber fuselage, metals wings and stabilator, the Tecnam P2008JC has a vast number of advantages over traditional aircraft The state-of-the-art.

This 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 state-of-the-art Tecnam P2008 JC is equipped with full electronic flight display screens rather than the traditional knobs and dials seen on typical aircraft instrument panels

Construction

The P2008JC 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 fiber.
The decision to utilize both materials was for the optimization of aerodynamic qualities, flight characteristics, and reliability. This addition enables Tecnam to make construction decisions based on optimum design and structural integrity rather than purely the cost of production.
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 minimize drag, ground steering is by differential braking.

Certification

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

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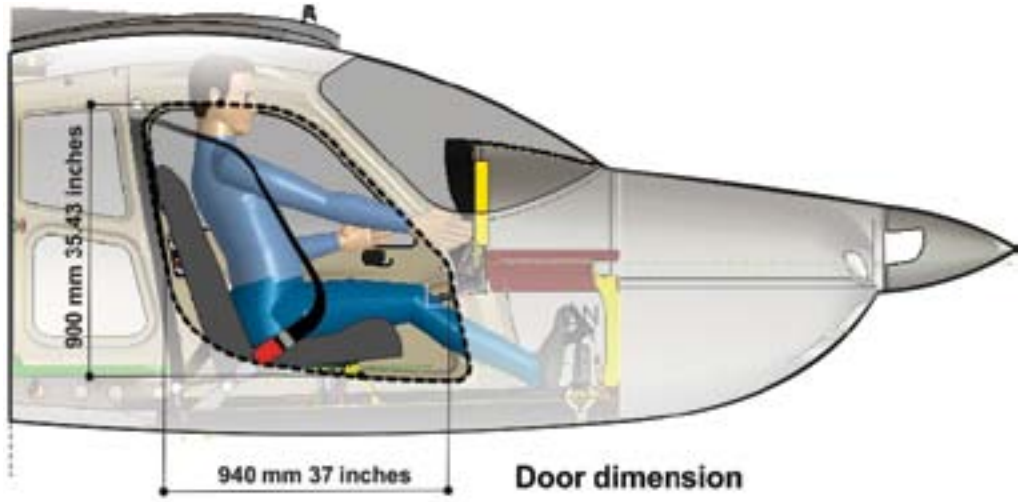
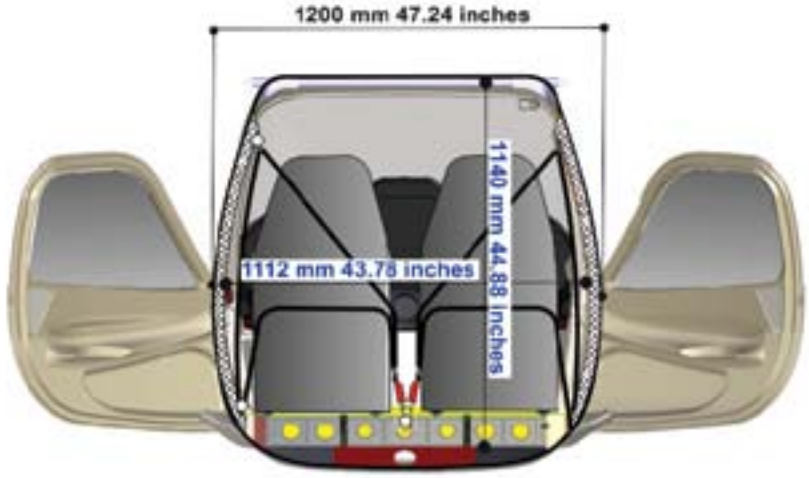
CABIN

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 accommodates voluminous items with both external and internal access.
A strong automotive type seal is used on the baggage door and a courtesy lamp illuminates when opened. 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 is designed to allow you and your passenger to experience the most outstanding style, comfort, and beauty of flight.. Enjoy the P2008JC



Door dimension



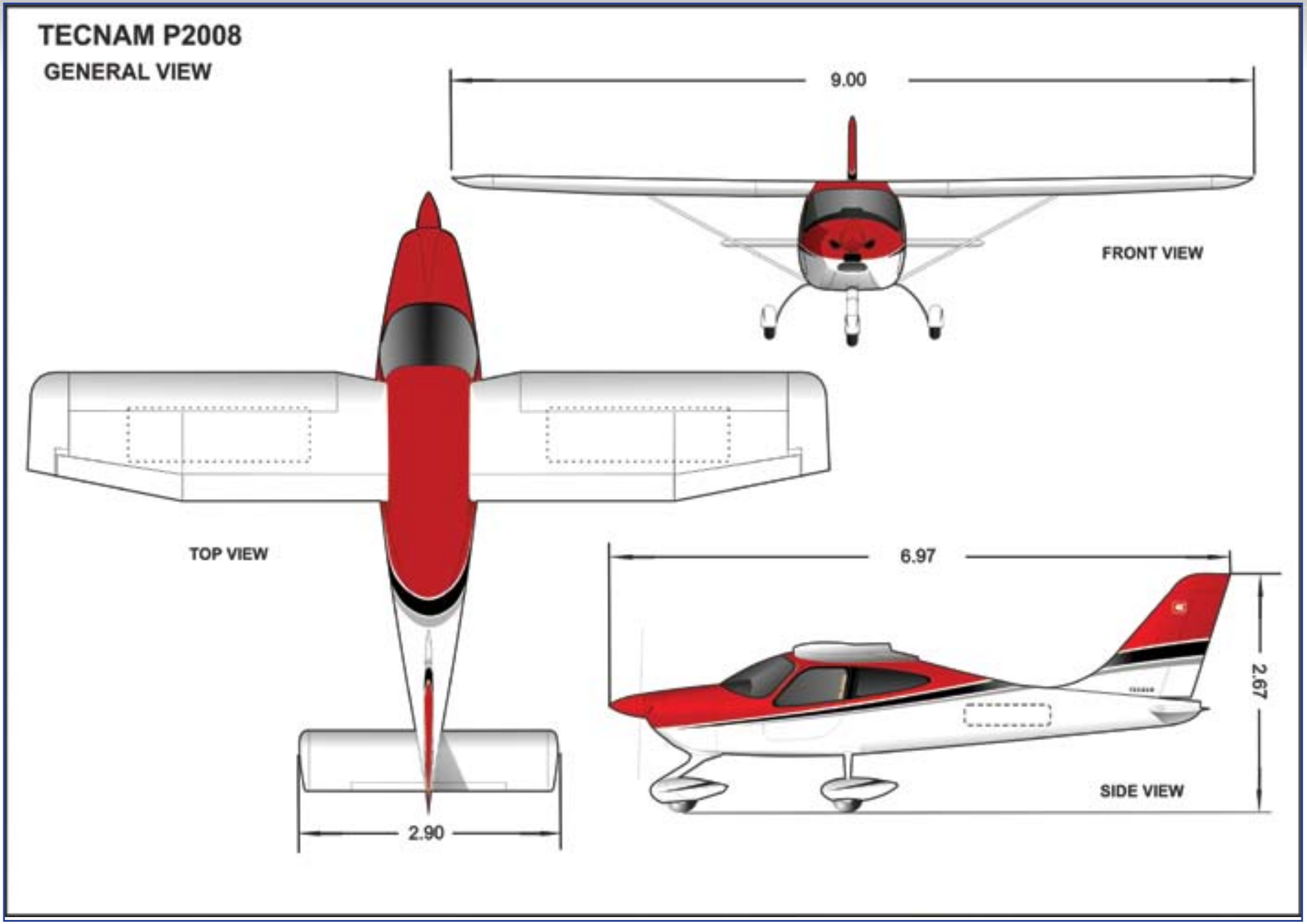
Cabin dimension

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

the cabin

EXTERIOR


TECNAM P2008
GENERAL VIEW
9.00
FRONT VIEW
TOP VIEW
2.90
6.97
2.67
SIDE VIEW

DIMENSIONS

Wing	ft	m
Span (overall)	29.5	9
Area	131ft^2	12.2 mq
Dihedral	1°	
Aspect ratio		6.7

Dimensions	ft	m
Overall Height	8.76	2,67
Overall Length	22.87	6,97

P2008JC RAF flying clubs

DESIGN WEIGHT AND LOADING

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

P2008JC LOT Academy

PERFORMANCE

	P2008JC Fixed Propeller	
Max Cruise Speed KTAS	120 kts	222 km/h
Stall Speed (Flaps Down Power Off) KCAS	44 kts	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

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

POWERPLANT & ACCESSORIES

The P2008JC 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 has higher fuel capacity than the existing line (55x2 lt - 14.5x2 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

STANDARD EQUIPMENT

FLIGHT INSTRUMENTS and INDICATORS
G3X Dual Screen
2 X GDU370
LRU Kit
Sensor Kit
Installation Kit
G3X Sensor kit
Antenna GPS
ENGINE INSTRUMENTS, GSU Configuration
• Amps (Ammeter Shunt or Hall Effect)
• Monitor CHT
• Aircraft bus voltages
• Oil temperature
• OAT
• Oil pressure
• Fuel pressure
• RPM
• Trim Indicator

OTHER INSTRUMENTS / INDICATORS / WARNINGS
Airspeed and Altimeter Back up TSO
CHT
Fuel Indicator RH and LH
Bank Indicator
Trim Indicator
Chronometer
Warning Light:
- Low Oil pressure
- Low Fuel pressure
- Alt. Out
- Fuel Pump ON

FLIGHT CONTROLS
Hydraulic Toe Brakes
Parking Brake
Electrical Flaps, Preselect
Dual Flight Controls
Castering Nose Wheel
Stabilator Trim (Electric actuated from Stick)

ENGINE CONTROLS
_ Central Quadrant With Single Trottle Level
_ 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 FIAMM 64
12 VOLT Alternators-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 E 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 CONFORT 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 340 Audio Panel
GNC 255A Com/Nav
GTX 335 Transponder ADS-B OUT
ELT 406 Mhz
Antennas:
- Transponder
- VHF
- ELT
- MARKER BACON
- ELT

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

AVIONICS OPTIONS

STANDARD AVIONICS

GARMIN

STANDARD GARMIN AVIONICS PACKAGE

- GMA 340 Audio Panel
- GNC 255A Com/Nav
- GTX 335 Transponder ADS-B OUT
- ELT 406 Mhz
- Antennas:
  - Transponder
  - VHF
  - ELT
  - MARKER BACON
  - ELT
- 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.

AVIONICS OPTION 1

GARMIN

GARMIN G3X AVIONICS PACKAGE

Includes the following equipment:

- Heated Pitot
- GILL 25A Battery
- Instrument Light
- Emergency Light
- Map Light
- Dimmer
- Landing/Taxi Light Led
- Nav. Light Led
- Compass Lighted
- Alternate Static Source
- Day & Night Switch

Analogue Indicators:

- Attitude Electric
- RPM
- Oil Temp
- Volt
- Warning Light:
- Pitot Heat
- High Oil Press

Non-Additive. Replaces all Standard Avionics.

Empty Weight 421 kg

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

PAINT SCHEMES

Standard

St1 __ Color Stripes

St2 __ Color Stripes

St3 __ Color Stripes

St4 __ Color 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

Many color options for your to choose: from base Standard livery to the Special Paint Two colors. **More info on: colors.tecnam.com**

OPTIONS

Code	Description
INSTRUMENTS	
114/A	Turn & Slip Ind. 2"1/4
RADIO & NAVIGATION EQUIPMENTS	
GARMIN-COM/NAV/GPS	
120/A	GTR225 COM 25 Mhz with Antenna and Inst.
120/B	GTR225A COM 8.33 Khz with Antenna and Inst.
119	MD200 VOR Indicator Only for GNC255A (requires optional# 118/A)
121	GTN 650 Com/Nav/Gps with Antennas, Triplex and inst. With GI106A Ind.
121/A	GTN 650 Com/Nav/Gps with Antennas, Triplex. & inst. With GI106A Ind.(Exch. for Std. GNC255A)
122	GTN 750 Com/Nav/Gps with Antennas, Triplex and inst. With GI106A Ind.
122/A	GTN 750 Com/Nav/Gps with Antennas, Triplex & inst. With GI106A Ind.(Exch for Std. GNC255A)
RADIO & NAVIGATION EQUIPMENT	
GARMIN-GPS	
128	GARMIN AERA 500 with Antenna, Panel Support and Inst.
132	GARMIN 795 with Antenna, Panel Support and Inst.
BENDIX KING	
137	KR 87 ADF with KI227 Indicator
139	DME KN63-14 with KDI 572 Indicator
OTHERS	
157	Two Head Sets
157/A	BOSE A 20 Two Head Sets

OPTIONS

Code	Description
AIRCRAFT EQUIPMENT	
182	Fuselage Cover
185	Battery Gill G25 (Exchange for standard battery)
209	Control Locker
210	Towing Bar
EXTERIOR	
201 (P2008)	Special Paint Two Colors

17032819

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