



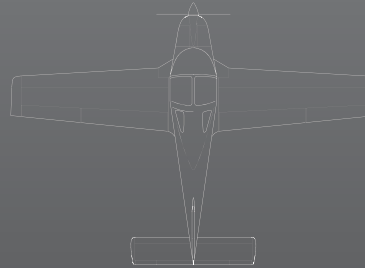
*P2002 J7*

# P2002 JF

The P2002-JF is a two-seater side by side, low wing aircraft. The JF P2002 features superlative performance and flying qualities, now confirmed by hundreds of P2002 ultralights sold throughout the world. The ease of piloting and maintenance make this aircraft an excellent solution for training in flight schools but also an ideal platform for surveillance and patrolling territory as well as, of course, for pure recreational use. The option to use AVGAS 100LL or unleaded MOGAS ASTM D4814-EN/228 SUPER make the P92 JS even more flexible and economical.

The P2002-JF represents the latest development of the Tecnam aircraft as result of the aircraft continuous improvement, the use of advanced software for design, the structural and fluidynamics analysis. Thanks to the tapered laminar flow airfoil and the slotted flaps the P2002 an outstanding aircraft, with the perfect mix of aerodynamic and structural efficiency.

There are many flying schools in Europe and the rest of the world that rely on P2002JF (certified according to the CS-VLA) for students training, even up to ATPL level.



## ADVANTAGES

- Superior performance and flight characteristics
- Low stall speed
- 210 km/h (113 kts) cruise
- Stable and responsive
- High level of comfort that makes it ideal for long routes
- Excellent visibility
- Sliding canopy can be opened in flight
- Exciting, yet easy to fly
- EASA CS-VLA certified
- Ideal for flight schools

## SPECIFICATIONS

DESIGN WEIGHT & LOADING		KG	LB
Maximum Take-off Weight MTOW		600	1320
Standard Equipped Weight		360	790
Standard Useful Load		240	530
Ultimate Loads		+5.7 / -2.9 G	
Baggage Allowance		20	44
DIMENSION			
WING			
Wing Span		8,6 M	28,2 FT
Wing Area		11,5 M <sup>2</sup>	124 SQFT
FUSELAGE			
		M	FT
Length		6,63	21,7
Height		2,4	7,9
ENGINE			
Manufacturer		ROTAX	
Model		912 S2	
Power		100 HP	
Number of Cylinders		4	
PROPELLER			
Manufacturer		HOFFMANN	
Model		H017GHM	
Number of Blades		2	
Type		FIX	
PERFORMANCE MTOW 450KG/990 LB			
SPEED		KM/H	KTS
Maximum at Sea Level, Gross Weight		222	120
Cruise, 75% power		210	113
Vne		256	138
STALL SPEED			
Flaps up, power off		83	45
Flaps Down, power off		72	39
Service Ceiling		4500 M	14,800 FT
Rate of Climb at Sea level		1100 FT/M	
TAKEOFF PERFORMANCE			
		M	FT
Ground roll		140	460
Total over 50 fr obstacle		310	1017
LANDING PERFORMANCE			
		M	FT
Ground roll		140	460
Total over 50 fr obstacle		326	1070
FUEL			
Fuel Tank Capacity		50X2 LT	13,2 X2 GAL

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TECNAM

## CONSTRUCTION

- The Tecnam line employs a monocoque tail cone section with sheet aluminium over steel tubing for the forward section.
- The aluminium tapered wing has a conventional structure with a forward load bearing spar and a conventional rear spar. The wing halves are attached to the fuselage by a very strong carry-through made of 2024-T3 grade aluminium fixed to the cabin truss.
- The fuel tanks hold 13.2 gal/50l each, located in the wing leading edges separated from the fuselage for safety.
- The sliding canopy allows 360° of vision in the cockpit. This canopy can be fully opened in flight below 70 knots.
- The all moving Stabilator is fitted with a trim tab controlled by buttons on the control column.
- The excellent flying characteristic with neutral handling makes it extremely stable and easy to fly for people of any weight/height.
- The ailerons are effective in allowing for a quick roll rate without being overly sensitive.
- All control surfaces are made out of aluminium.
- The wide slotted flaps, electrically activated, allow stall speed lower than 73 km/h (40 Kts).
- The canopy has full rollover protection.

## INTERIOR

- Seats are adjustable and increase in height as they are moved forward.
- The luggage area allowing for 44 pounds/20 kg of weight, located behind the seats with ample room for several travel bags
- All Tecnam aircraft have dual control sticks with a curve at the base for ease of ingress and egress.
- The dual controls come standard with PTT and electric trim on both sticks with a trim indicator on the panel.
- The fresh air vents are conveniently located on each side of the panel.
- The aircraft comes with dual rudder pedals, connected to a steerable nose wheel.
- The interior is spacious, ergonomic and comfortable.
- Cabin is a roomy 44 in/112 cm wide.



- The wide conventional type instrument panel allows fitment of a broad range of IFR equipment, in addition to standard VFR training needs.
- Four point harness system is standard.
- Cabin is a roomy 44 inches wide.
- Four point harness system is standard

## LANDING GEAR

- The main landing gear legs are made of spring steel, directly connected to the main structure. The landing gear is robust enough for rough strips and require no maintenance.
- The trailing link nose gear uses a rubber shock absorber system that was designed for the rigours of the training environment with easy and economical maintenance.
- The main landing gear wheels and brakes are conventional aircraft size (5.00x5)
- The brake lever control and the parking brake are located forward between the seats.

## ENGINE AND PROPELLER

- The top and bottom engine cowls are quickly and easily removable making any maintenance easier to accomplish. The top cowl has 2 large hinged openings for easy access to the engine compartment, without the need for tools to allow effective pre-flight inspections.
- The engine's mount is steel-tubing with shock mounts. It also supports the nose wheel that is not anchored directly to the cabin's structure
- The power plant is a Rotax 912 S2 series certified to FAR 33 four-cylinder, fourstroke engine.
- The engine is a partially liquid and partially air cooled with an integrated 1:2.4286 reduction gear.
- A fixed pitch wood and composite Hoffmann propeller certified to FAR 33 comes standard.
- The quick drain gascolator is installed in the engine compartment with easy outside access.
- Drain taps are fitted to the underside of the wings to purge the tanks.
- All electrical circuits are protected by circuit breakers as standard.
- The battery is located in the rear of the fuselage with easy access through a hinged door. There is also an external auxiliary power socket.

## STANDARD EQUIPMENT

### FLIGHT INSTRUMENTS AND INDICATORS

Magnetic Compass  
Airspeed Ind., Kts  
Altimeter (In)  
Vertical Speed  
Attitude Electric Gyro  
Directional Electric Gyro  
Turn And Bank Indicator  
Flaps Indicator  
Pitot System  
Static System  
Stabilator Trim Position Indicator

### OTHER INSTRUMENTS / WARNING

Chronometer  
O.A.T. Indicator  
Generator Warning Light  
Vacuum Suction Gauge

### FLIGHT CONTROLS

Hydraulic Brakes  
Parking Brake  
Electrical Flaps  
Dual Flight Controls  
Steerable Nose Wheel  
Stabilator Trim  
(Electric Actuated From Stick)  
Engine Controls: - Throttle, Two  
- Carburetor Heat  
- Choke  
Flight Trim Controls:  
- Stabilator With Indicator  
Fuel Control Selector With On/Off  
Panel Switches:  
- Starter - Fuel Pump  
- Engine Lh And Rh  
Ignition Switches

### ENGINE INSTRUMENTS

Rpm Indicator  
Hour Recorder  
Oil Press  
Oil Temp.  
Head Temp.  
Fuel Press.  
Voltmeter  
Ammeter  
Manifold Pressure  
Lh + Rh Fuel Qty

### ELECTRICAL SYSTEM

12 Volt 18A Amp. Battery  
12 Volt Alternators-20 Amp.  
Switches: - Nav. Lights  
- Landing Light - Strobe Light  
External Power Supply Receptacle  
Circuit Breaker Panel

### FUEL SYSTEM

Two Integral Fuel Tanks With 100  
Litres Total Capacity  
Engine Driven Fuel Pump  
Auxiliary Fuel Pumps, Electric  
Fuel Quick Drain

### INTERIOR

Pilot And Copilot Seats  
(Adjustable Fore And Aft)  
Seat Belts & Shoulder Harness,  
All Seats  
Wall To Wall Carpeting  
Luggage Compartments  
Fire Extinguisher

Radio Call Plate  
Soundproofing  
First Aid Kit

### EXTERIOR

Epoxy Corrosion Proofing, All  
Structure  
Sliding Canopy With Lock And Key  
Rear Window  
Tie Down Rings  
Main Wheels, 5,00 X 5  
Nose Wheel, 4,00 X 6

### EXTERIOR LIGHTS

Nav. Lights  
Vertical Tail Strobe  
Taxi Light

### CABIN CONFORT SYSTEM

Windshield Defroster: Ventilator  
Adjustable, 2 Place  
Heating System: Ventilator  
Adjustable, 2 Place

### POWERPLANT AND PROPELLER

Engines - 1 Rotax 912S2 100 Hp,  
4 Cylinders Liquid/Air Cooled,  
Integrated Reduction Gear  
Dual Ignition System  
Throttle Control Lh/Rh  
Tubular Steel Engine Mount  
Hoffmann, 2 Blade Fix  
Propeller Spinner  
Air Filter  
Oil Filter  
Oil And Water Coolers  
Carburetor Heat  
With Manual Control  
Thermostat Valve

### PRODUCT SUPPORT/DOCUMENTS

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

## COSTRUZIONI AERONAUTICHE TECNAM S.R.L.

Costruzioni Aeronautiche Tecnam operates in three facilities. The Casoria facility is located adjacent to the Napoli Capodichino Airport and covers an area of 10.8000 sq ft with 43.100 sq ft of enclosed facilities. The Capua facility is located adjacent to the "Oreste Salomone" Airport, covers an area of 12.9000 sq ft with 43.100 sq ft of enclosed facilities. Capua has already a new area of 38.7000 sq ft with 64.600 sq ft of enclosed facilities. This extension will double the production capacity of the Capua plant. Modern reinforced concrete buildings are used for manufacturing processes, design activities and office administration. And finally the TECNAM Spain facility located in Villanueva del Gallego, Zaragoza - Spain covers an area of 16.404 sq ft with 65.661 sq ft of enclosed facilities with a runway adjacent of 3.937 length/ft.



CAPUA PLANT



CASORIA PLANT



ZARAGOZA PLANT