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QUALITY AIRCRAFT SINCE 1948  
**TECNAM**

**P2008**

**ADVANCED ULTRA LIGHT**

# P2008

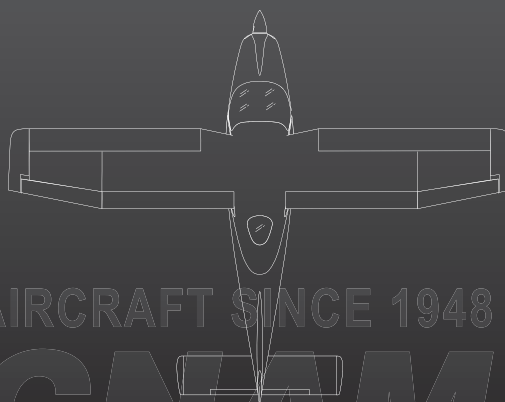
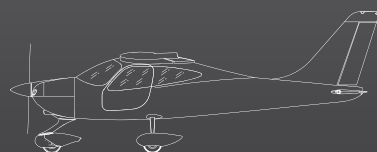


Carbon fiber meets metal with innovation, style, and advanced technology to create a new aircraft line by Tecnam. The latest addition to the Tecnam line is the P2008.

The Tecnam lineage is apparent the P2008 which includes several exciting additions:

- A carbon fiber fuselage and vertical stabilizer
- Increased cabin size
- Larger doors
- A semi-tapered metal wing

As with all of the other Tecnam single engine aircraft, it has excellent visibility and an exceptionally quiet cabin.



ADVANCED ULTRA LIGHT

## SPECIFICATIONS

ENGINE		
Manufacturer	ROTAX	
Model	912 ULS	
Power	98 hp	
Number of Cylinders	4	
PROPELLER		
Manufacturer	GT PROPELLER	
Model	GT-2/173/VRR-SRTC FW101	
Number of Blades	2	
Type	FIX PITCH - WOOD	
DESIGN WEIGHT & LOADING		
MTOW	600 kg	1320 lb
Baggage Allowance	20 kg	44 lb
Limit Loads	+4 / -2 G	
Ultimate Loads	+6 / -3 G	
DIMENSION		
Fuselage Height	2,46 m	8,1 ft
Fuselage Length	6,93 m	22,7 ft
Wing Span	9 m	29,5 ft
Cabin Width	1,2 m	3,9 ft
Cabin Height SEAT TO COVER	0,91 m	3 ft
Fuel Tank Capacity	55 X2 lt	14,5 X2 GAL
PERFORMANCE		
<b>15°C SEA LEVEL 450 KG / 990 LB</b>		
VMAX	235 km/h	127 KTS
Cruise Speed 75%	219 km/h	118 KTS
VNE	260 km/h	141 KTS
Stall Speed FLAPS DOWN POWER OFF	65 km/h	35 KTS
Practical Ceiling	4572 m	15000 ft
Takeoff Run	105 m	344 ft
Takeoff Distance	200 m	656 ft
Landing Run	90 m	295 ft
Landing Distance	200 m	656 ft
Rate of Climb	5,6 m/sec	1100 ft/min
Range	633 N.M.	
MAIN FEATURES		
Fuselage	COMPOSITE	
High Wing	METALLIC	
Gear	FIXED WITH FREE CASTERING OR STEERABLE NOSE WHEEL	

## CONSTRUCTION

The P2008 has metal wings and a metal stabilator. Tecnam chose to keep the metal wing and stabilator structures for strength, reliability, and ability to flex in flight providing 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. Tecnam was able to utilize the expertise from its acquisition of Tecnam Spain. This addition allows Tecnam to make decisions to be based on 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 all 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 casting and consists of a tubular steel leg, connected to the lower engine mount attachments and is braced by a rubber shock absorber. The steerable nose wheel is also available. All of the landing gear is faired to minimize drag. Ground steering is by differential braking.

## POWERPLANT AND PROPELLER

The powerplant and associated cowlings are similar to all of the existing Tecnam line with few modifications.

The P2008 has higher capacity than the existing line (2X14,5 lt) and fuel 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 from other Tecnam models due to the increase in cabin width. It is modular in design and can accommodate the most complete instrumentation, analogical or digital type.



## STANDARD EQUIPMENT

### FLIGHT INSTRUMENTS AND INDICATORS

Magnetic Compass  
Airspeed Indicator  
Altimeter Dual Mode (In/Mb)  
Vertical Speed  
Bank Indicator  
Flap Indicator  
Pitot System  
Static System  
Stabilator Trim Position Indicator

### ENGINE INSTRUMENTS

Tachometer  
Hour Recorder  
Oil Press  
Oil Temp.  
Head Temp.  
Fuel Press.  
Voltmeter  
Lh + Rh Fuel Qty

### FLIGHT CONTROLS

Hydraulic Toe Brakes  
Parking Brake  
Electrical Flaps  
Dual Flight Controls

Steerable Nose Wheel  
Stabilator Trim  
(Electric Actuated From Stick)  
Engine Controls:  
\_ Central Quadrant  
with Single Trottle Level  
\_ Throttle, Two  
\_ Choke  
Flight Trim Controls:  
Stabilator with Indicator  
Fuel Control Selector Andair  
Panel Switches: Avionic Master

### ELECTRICAL SYSTEM

12 Volt 18A Amp. Battery  
12 Volt Alternators-20 Amp.  
Switches:  
Landing Light,  
Strobe Light  
12 Volt Socket  
Circuit Breakers Panel

### FUEL SYSTEM

Two Integral Fuel Tanks  
With 110 Lt Total Capacity  
Engine Driven Fuel Pump  
Fuel Quick Drain

### INTERIOR

Pilot And Copilot Seats  
\_ Adjustable  
Fore And Aft  
\_ Arm Rest  
Seat Belts & Shoulder Harness  
All Seats  
Wall To Wall Carpeting  
Map and Storage Pockets  
Luggage Compartments

### EXTERIOR

Epoxy Corrosion Proofing,  
All Structure  
Lh/Rh Front Door Pilot/Copilot,  
Lock And Key  
Rear Window  
All Windows Tinted  
Main Wheels,  
5,00 X 5  
Nose Wheel,  
4,00 X 6

### EXTERIOR LIGHTS

Vertical Tail Strobe  
Taxi Light

### CABIN CONFORT SYSTEM

Windshield Defroster  
Ventilator Adjustable,  
2 Place  
Heating System

### POWERPLANT AND PROPELLER

Engines:  
1 Rotax 912ULS2 100 Hp,  
4 Cylinders Liquid/Air Cooled,  
Integrated Reduction Gear  
Dual Ignition System  
Throttle Control  
Tubular Steel Engine Mount  
Propeller Gt Propeller,  
2 Blade Fix  
Propeller Spinner  
Air Filter  
Oil Filter  
Oil And Water Coolers

### PRODUCT SUPPORT/DOCUMENTS

Manufacturer's Full Two Year  
Limited Warranty  
Pilots Operation Handbook  
Maintenance Manual

## COSTRUZIONI AERONAUTICHE TECNAM S.R.L.

Costruzioni Aeronautiche Tecnam operates in two facilities. The Casoria facility is located adjacent to the Napoli Capodichino Airport and covers an area of about 12.000 sqm with about 4.000 sqm of enclosed facilities. The Capua facility is located adjacent to the "Oreste Salomone" Airport, covers an area of about 45.000 sqm with about 11.000 sqm of enclosed facilities.



CAPUA PLANT



CASORIA PLANT



CAPUA PLANT P2006T LINE PRODUCTION

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