



QUALITY AIRCRAFT SINCE 1948
TECNAM

P92 Echo Classic De Luxe

ADVANCED ULTRA LIGHT

P92 Echo Classic De Luxe

The P92 Echo Classic is a two-seat, single strut braced high wing aircraft. The P92 Echo Classic was designed and manufactured according to the international airworthiness standards. This has been accomplished by one of the most renowned European Designers in the general aviation field, with the aid of modern planning instruments. The P92's performance and flying qualities are so superior that it compares to aircraft certified under FAR/CS 23.



ADVANTAGES

- Superior performance and flight characteristics
- 204 km/h (110 KTS) cruise speed
- Stable and responsive
- Ideal for flight schools
- High level of comfort that makes it ideal for long routes
- Excellent visibility



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	2,5 m	8,2 ft
Fuselage Length	6,4 m	21 ft
Wing Span	9,3 m	30,5 ft
Cabin Width	1,06 m	3,5 ft
Cabin Height SEAT TO COVER	0,91 m	3 ft
Fuel Tank Capacity	45 X2 lt	11,2 X2 GAL

PERFORMANCE

15°C SEA LEVEL 450 KG / 990 LB

VMAX	222 km/h	120 KTS
Cruise Speed 75%	204 km/h	110 KTS
VNE	260 km/h	141 KTS
Stall Speed FLAPS DOWN POWER OFF	65 km/h	35 KTS
Pratical Ceiling	4572 m	15000 ft
Takeoff Run	100 m	328 ft
Takeoff Distance	200 m	656 ft
Landing Run	90 m	295 ft
Landing Distance	250 m	820 ft
Rate of Climb	6,1 m/sec	1200 ft/min
Range	503 N.M.	

CONSTRUCTION

- The Tecnam line employs a monocoque tail cone section with the forward fuselage using sheet aluminium over steel tubing.
- The wing is an all aluminium conventional structure with a single strut.
- The fuel tanks hold 11,2 gal/45 lt each, located in the wing leading edge separated from the fuselage for safety.
- A wide rear window together with large side windows complete the extraordinary visibility allowing 360° of vision in the cockpit.
- 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 large flaps are deployed electrically.
- The low stall speed and the general slow flying characteristics of the aircraft allow it to operate with ease on short runways.

INTERIOR

- Seats are adjustable and increase in height as they are moved forward.
- The luggage area allowing for 44 pounds/20 kg of weight is located behind the seats with easy access in flight.
- All Tecnam aircraft have dual control sticks, throttles and rudder pedals.
- The trim tab and the flaps are electrically activated with a position indicator on the instrument panel.
- The fresh air vents are conveniently located in the doors.
- The aircraft has dual rudder pedals with a steerable nose wheel.
- The wide instrument panel is designed to accommodate a full variety of instrumentation.

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 removed making any maintenance procedure faster to accomplish. The top cowl has a large opening for easy access to the engine compartment for effective pre-flight inspections.
- The engine's mount is steel-tubing with shock mounts. It also supports the nosewheel that is not anchored directly to the cabin's structure.
- Two power plant options are available: Rotax 912UL 80HP four-cylinder, four-stroke engine and Rotax 912 ULS 100HP four-cylinder, four-stroke engine. Both engines come with an integrated 1:2.4286 reduction gear.
- A fixed pitch wood and composite propeller comes as standard.
- The quick drain gascolator is installed in the engine compartment with easy outside access.
- The fuel system uses a mechanical engine driven pump along is with an electrical back-up pump.
- The battery is located in the rear of the fuselage with easy access through a hinged door.



STANDARD EQUIPMENT

FLIGHT INSTRUMENTS AND INDICATORS

Magnetic Compass
Airspeed Ind., Kts
Altimeter (In)
Vertical Speed
Bank Indicator
Flaps Indicator
Pitot System
Static System
Stabilator Trim Position Indicator

Steerable Nose Wheel
Stabilator Trim (Between The Seats)
Engine Controls:
- Throttle, Two
- Choke
Flight Trim Controls:
- Stabilator with Indicator
Fuel Control Selector with On/Off
Panel Switches:
- Starter
- Engine Lh And Rh Ignition Switches

ENGINE INSTRUMENTS

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

ELECTRICAL SYSTEM

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

FLIGHT CONTROLS

Hydraulic Brakes
Parking Brake
Electrical Flaps
Dual Flight Controls

FUEL SYSTEM

Two Integral Fuel Tanks
with 90 Litres 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 & Storage
Pockets
Luggage Compartments

EXTERIOR

Rear Window
Tie Down Rings
Main Wheels,
5,00 X 5
Nose Wheel,
4,00 X 6
Wheel Pants

CABIN CONFORT SYSTEM

Ventilator Adjustable,
2 Place

POWERPLANT AND PROPELLER

Engines:
1 Rotax 912ULS2 80/100 Hp,
4 Cylinders Liquid/Air Cooled,
Integrated Reduction Gear
Dual Ignition System
Throttle Control
Lh/Rh
Tubular Steel Engine Mount
Propeller:
Gt Propeller,
2 Blade Fix
Propeller Spinner
Air Filter
Oil Filter
Oil And Water
Coolers

PRODUCT SUPPORT/DOCUMENTS

Manufacturers 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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