QUALITY AIRCRAFT SINCE 1948

TECNAM

P92 Echo Classic DE LUXE

ADVANCED ULTRA LIGHT

P92 Echo Classic DE LUXE

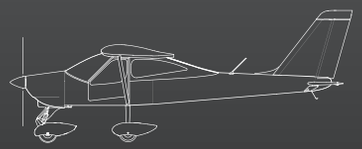
The P92 Echo Classic is a two-seat, single strut braced high wing aircraft.

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
- 205 km/h (100 kts) cruise speed
- Stable and responsive
- Ideal for flight schools
- High level of comfort that makes it ideal for long routes
- Excellent visibility



SPECIFICATIONS

DESIGN WEIGHT & LOADING	KG	LB
Designed MTOW	600	1320
Limit Loads	+4 / -2 G	
Ultimate Loads	+6 / –3 G	
Baggage Allowance	20	44
DIMENSION	**M**	**IN**
Wing Span	9,4	30,8
Lenght Over-All	6,5	21,3
Height Over-All	2,5	8,2
Width Cabin	1,1	3,6
Wing Area	13,4 M²	144 SQFT
Transv. Dihedral	1,5°	
Tailplane Span	2,9	9,5
Wheel Track	1,8	5,9
Wheel Tyres	AIR TRAC 5.00-5 (MAIN GEAR)	
ENGINE AND PROPELLER	ROTAX 100 HP	ROTAX 80 HP
Power Max. @ 580M0 Rinpumte (Sm) Ax. 5	73.5 KW (98.5 HP)	59.6 KW (80 HP)
Reduction	2,4286:1	2,273:1
Propeller	GT TONINI	
Fuel	AUTO FUEL: MIN. RON 95 (AKI 91 PREMIUM USA)/AVGAS: 100LL	
Tanks	45 X 2 LITRES	11,8 X 2 GAL

PERFORMANCE	100 HP	80 HP
Max Speed S/L	230 KM/H 124 KTS	219 KM/H 117 KTS
Cruising Speed 75% 5250 Rpm	205 KM/H 110 KTS	190 KM/H 102 KTS
Vne - Never Exceed Speed	260 KM/H 140 KTS	
Rate Of Climb	6,2 M/SEC 1220 FT/MIN	6 KM/H 1180 FT/MIN
Stalling Speed (with Flap)	64 KM/H 34,5 KTS	
Service Celling	4500 M 15000 FT	4000 KM/H 13000 FT
Max Range (without Reserve) 65%	750 KM 466 N.M.	720 KM/H 447 N.M.
Take Off Run & Landing Run	100 M 328 FT	110 KM/H 360 FT
FUEL		
Fuel Tank Capacity	45X2 LT 11,9X2 GAL	

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 11.9 gal/45l 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

ENGINE INSTRUMENTS

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

FLIGHT CONTROLS

Hydraulic Brakes
Parking Brake
Electrical Flaps
Dual Flight Controls
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

ELECTRICAL SYSTEM

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

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 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

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