QUALITY AIRCRAFT SINCE 1948

TECNAM

P92 Eaglet

ADVANCED ULTRA LIGHT

P92 Eaglet

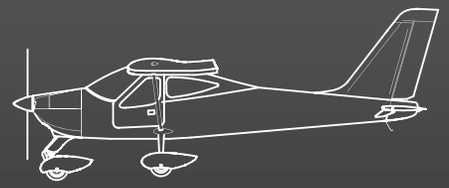
Tecnam designed the P92 Eaglet after re-examining the ultra light aircraft market and determined a significant need existed for a robust trainer for all levels of flight – Sport Pilot through Commercial training. The result is the Eaglet. Using the proven P92 as the base platform and paying particular attention to the needs of the new American LSA category, Tecnam has delivered the best high wing training and cross country aircraft to date in the light general aviation category.

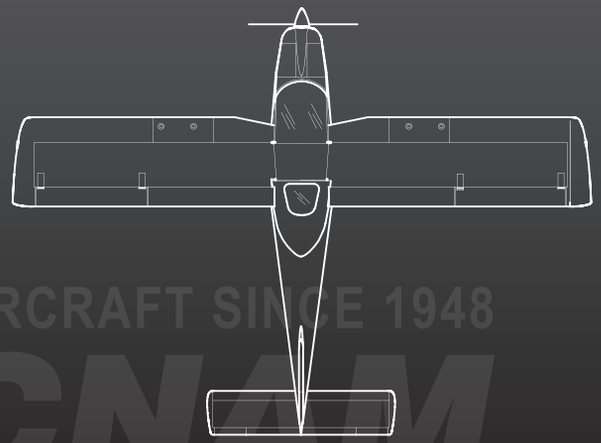
The Eaglet combines the best of the features of their existing high wing aircraft line merged into a single platform. The Eaglet features increased side visibility, smooth aerodynamic lines, a low profile modular panel able to accommodate a wide range of avionics, while still maintaining excellent visibility over the nose, a trait of all TECNAM aircrafts. The doors are fitted with automotive type door seals, seats that give full support with excellent leg room, side map pockets as well as pockets in the back of the seats, and even a cup holder, make the Eaglet a luxury aircraft.

All this makes the Eaglet the natural choice for discriminating buyers of all ages and levels of flight experience. But the real beauty of this fine bird is in the flying – uncompromised and unparalleled in feel and response.

ADVANTAGES

- Superior performance and flight characteristics
- Low stall speed with excellent response at all speeds
- 116 KTS cruise
- Stable and Responsive
- Uncompromising build quality: based on CS/VLA certified aircraft P92 JS
- Excellent visibility
- Roomy, quiet, and ergonomic
- Comfortable 46 inch wide cabin





SPECIFICATIONS		
DESIGN WEIGHT & LOADING	**KG**	**LB**
Designed MTOW	600	1320
Limit Loads	+4/-2G	
Ultimate Loads	+6/-3G	
Baggage Allowance	20	44
DIMENSION	**M**	**FT**
WING		
Wing Span	8,7	28,5
Wing Area	12,4 M²	133 SQFT
FUSELAGE		
Length	6,5	21,3
Height	2,5	8,2
LH-RH CABIN DOOR	**M**	**IN**
Height	0,83	33
Width	0,76	30
ENGINE		
Manufacturer	ROTAX	
Model	912 ULS2	
Power	100 HP	
Number of Cylinders	4	
PROPELLER		
Manufacturer	TONINI	
Model	GT	
Number of Blades	2	
Type	FIX	
PERFORMANCE MTOW 450KG/990 LB		
SPEED	**KM/H**	**KTS**
Maximum at Sea Level, Gross Weight	235	127
Cruise, 75% power	215	116
VNE	270	146
STALL SPEED		
Flaps Down, power off	65	35
Rate of Climb at Sea Level	1200 FT/M	
Service Ceiling	4500	14,800
TAKEOFF PERFORMANCE	**M**	**FT**
Ground roll	110	360
Total over 50 fr obstacle	350	673
LANDING PERFORMANCE		
Ground roll	160	360
Total over 50 fr obstacle	260	850
FUEL		
Fuel Tank Capacity	45X2 LT	11,9X2 GAL

CONSTRUCTION

- The Tecnam line employs a monocoque construction style using sheet aluminium over steel tubing.
- The wing is all aluminium and constructed in a conventional way with a single spar and metal torsion box.
- The airfoil is a Gottinga 398 modified for better low speed handling characteristics with a modified STOL wing-tip.
- The leading edges of the wings and are easily detachable for repairs.
- The fuel tanks hold 11.9 gal in each wing and are located in the wings separated from the fuselage for safety.
- A rear window completes the extraordinary visibility allowing 360° of vision in the cockpit.
- The stabilator provides remarkable longitudinal hands-off stability along with minimum drag and weight penalty providing balanced, 2 finger, flight control.
- The wide slotted flaps, electrically activated, allow stall speed lower than 38 Kts.
- The Eaglet has 38 degrees of flaps making steep approach landings easier.

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 2 large hinged openings for easy access to the engine compartment for effective pre-flight inspections.
- The engine is mount is Cro-Moly steel-tubing with shock mounts.
- The steel firewall is soundproofed.
- The power plant is a Rotax 912 series four-cylinder, four-stroke engine.
- The engine is a liquid and air cooled engine with an integrated 1:2.4286 reduction gear.
- A fixed pitch wood and composite propeller comes standard with several ground adjustable propellers available as options.
- The quick drain gascolator is installed in the engine compartment with easy access.
- The engine installation allows for the addition of a 40 Ah external alternator.
- Circuit breakers are standard
- The battery is located in the rear of the fuselage with easy access through a hinged door.

LANDING GEAR

- The main landing gear is spring steel that is robust enough for unimproved strips and requires no service.
- The trailing link nose gear uses a rubber shock absorber system that was designed for the rigours of the training environment.
- The main landing gear wheels and brakes are conventional aircraft size (5.00x5)
- A hand actuated hydraulic brake is available as an option with toe brakes standard.
- A parking brake is between the seats and is actuated by use of a single twist.

INTERIOR

- Seats are adjustable in flight and increase in height as they are moved forward.
- The luggage area allowing for 44 pounds of weight is 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 stabilator trim on the stick with a trim indicator on the panel.
- The widest cabin yet at 46 inches
- The interior is spacious, ergonomic and comfortable.
- Dual throttles allow the pilot to fly either left or right handed.
- Heat and defrost are standard.
- The fresh air vents are conveniently located in the doors.
- All Tecnam aircraft provide excellent forward visibility over the cowling.
- The planes come with dual conventional rudder pedals with a steerable nose wheel.
- The wide instrument panel is designed to accommodate a full variety of instrumentation, from a standard 6 pack to fully integrated EFIS installations.
- The all new instrument panel is modular for ease of avionics installations.

STANDARD EQUIPMENT

FLIGHT INSTRUMENTS AND INDICATORS

Magnetic Compass
Airspeed Ind.,
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 Brakes
Parking Brake
Electrical Flaps
Dual Flight Controls
Steerable Nose Wheel
Stabilator Trim (Electric Actuated From Stick)
Engine Controls:
Throttle, Two
Choke
Flight Trim Controls:
Stabilator with Indicator
Fuel Control Selector with On/Off
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 92 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

Epoxy Corrosion Proofing, All Structure
LH/RH Front Door Pilot/Copilot, Lock and Key
Rear Window
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 with Defrost

POWERPLANT AND PROPELLER

Engines:
1 Rotax 912ULS2 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

QUALITY AIRCRAFT SINCE 1948
TECNAM
VIA MAIORISE
081043 CAPUA (CE) ITALY
TEL.+39 0823 620134
FAX +39 0823 622899
WWW.TECNAM.COM
INFO@TECNAM.COM