



P92 EAGLET

ENGINE

| | |
|---------------------|------------|
| Manufacturer | Rotax |
| Model | 912 ULS2/S |
| Power | 100 hp |
| Number of Cylinders | 4 |

PROPELLER

| | |
|------------------|--------|
| Manufacturer | Tonini |
| Model | GT |
| Number of Blades | 2 |
| Type | Fix |

WEIGHTS**lb**

| | |
|--------------------------|-----------|
| Maximum Take-off weight | 1320 |
| Standard Equipped weight | 730 |
| Standard Useful Load | 590 |
| Limit Loads | +4 / -2 g |
| Ultimate Loads | +6 / -3 g |

DIMENSION

| | |
|-------------------|-----------|
| Wing Span | 29,5 ft |
| Wing Area | 129 sq/ft |
| Fuselage Length | 21,3 ft |
| Fuselage Height | 8,2 ft |
| Cabin width | 46 in |
| Baggage Allowance | 44 lb |

PERFORMANCE**Speed****Kts**

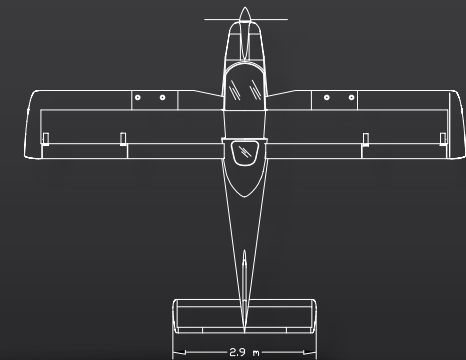
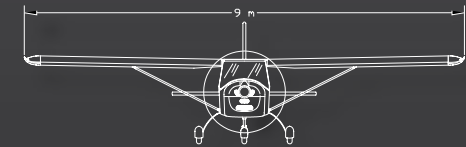
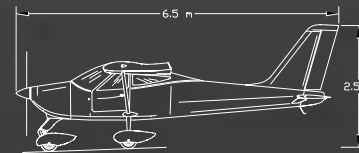
| | |
|------------------------------------|-----------|
| Maximum at Sea Level, Gross Weight | 118 |
| Cruise, 75% power | 112 |
| Vne | 146 |
| Stall Speed | Kts |
| Flaps up, power off | 45 |
| Flaps Down, power off | 37 |
| Rate of Climb at Sea Level | 1200 ft/m |
| Service Ceiling | 14.800 ft |
| Takeoff run over 50ft obstacle | 820 ft |
| Landing run over 50ft obstacle | 853 ft |
| Demonstrated crosswind | 20 kts |

All estimated performance data are based on standard atmospheric conditions, level, hard surface, dry runways; and no wind.

P92 EAGLET Tecnam designed the P92 Eaglet after re-examining the 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. Born on a little field in Capua, Italy the Eaglet meets this need. Using the proven P92 as the base platform 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, and comfortable seating with excellent leg room and support. The Eaglet has a roomy cabin that features in flight adjustable seats, increased visibility out of the doors as well as over the nose, side map pockets as well as pockets in the back of the seats, and even has a cup holder. The Eaglet also features a steerable nosewheel, toe brakes, all aluminum construction, and spring steel landing gear. All in 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. Take flight in the Eaglet.

Advantages

- Superior performance and flight characteristics
- Low stall speed with excellent response at all speeds
- 114 knots 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



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 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.



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.





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.



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 mounted on 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.

Standard Equipment

• FLIGHT INSTRUMENTS AND INDICATORS

Indicators
Magnetic compass
Airspeed ind., Kts
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

• EXTERIOR LIGHTS

Vertical tail strobe
Taxi light
Nav. Wing lights with strobe
Tail light

• FLIGHT CONTROLS

Hydraulic toe 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:
_ Split starter
_ Avionic avionic
Starter key acs

• ELECTRICAL SYSTEM

12 Volt 18a amp. Battery
12 Volt alternators-20 amp.
Switches:
_ landing light
_ strobe light
_ nav 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 e storage pockets
Luggage compartments

• EXTERIOR

Epoxy corrosion proofing, all structure
Lh/rh front door pilot/copilot, lock and key
Rear window
All windows tinted
Tie down rings
Main wheels, 5,00 x 5
Nose wheel, 4,00 x 6

• CABIN COMFORT 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
Fire sleeve on fuel and oli tubes
Air filter
Oil filter
Oil and water coolers

• PRODUCT SUPPORT / DOCUMENTS

Manufacturers full two year limited warranty
Pilots operation handbook
Maintenance manual