To design the P2002 Sierra Tecnam has made use of the most advanced systems of 3D design, fluid dynamics and structural analysis, resulting in one of the best two-seater low wing aircraft in its category. Tapered laminar flow wing, slotted flaps, up turned wing tips and a streamlined fuselage give to the P2002 superlative performance, a complete harmony of controls and style. The resulting product is a symphony of aerodynamic and structure effectiveness with graceful, fluid flight. Designed with the pilot in mind, this aircraft will delight even the most discerning pilot while still keeping the inexperienced pilot safe and comfortable.

**ADVANTAGES**
- Superior performance and flight characteristics
- Stable and responsive
- Exciting, yet easy to fly
- High level of comfort that makes it ideal for long flights
- Excellent visibility
- Sliding canopy can be opened in flight

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>ENGINE</th>
<th>P2002 SIERRA DE LUXE</th>
<th>P2002 SIERRA TURBO</th>
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</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>ROTAX</td>
<td>ROTAX</td>
</tr>
<tr>
<td>Model</td>
<td>912 ULS</td>
<td>914 UL</td>
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<tr>
<td>Power</td>
<td>98 hp</td>
<td>115 hp</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

**PROPELLER**

| Manufacturer | GT PROPELLER | GT PROPELLER |
| Model | GT-2/173/VRR-SRTC FW101 | GT |
| Number of Blades | 2 | 2 |
| Type | FIX PITCH - WOOD | FIX PITCH - WOOD |

**DESIGN WEIGHT & LOADING**

| MTOW | 600 kg | 1320 lb |
| Baggage Allowance | 20 kg | 44 lb |
| Limit Loads | +4 / -2 G | +4 / -2 G |
| Ultimate Loads | +6 / -3 G | +6 / -3 G |

**DIMENSION**

| Fuselage Height | 2,43 m | 8 ft |
| Fuselage Length | 6,65 m | 21,8 ft |
| Wing Span | 8,6 m | 28,2 ft |
| Cabin Width | 1,11 m | 3,6 ft |
| Cabin Height | 0,91 m | 3 ft |
| Fuel Tank Capacity | 50 X2 lt | 13,2 X2 GAL |

**PERFORMANCE**

| VMAX | 244 km/h | 132 KTS |
| Cruise Speed 75% | 226 km/h | 123 KTS |
| VNE | 285 km/h | 154 KTS |
| Stall Speed FLAPS DOWN POWER OFF | 65 km/h | 35 KTS |
| Pratical 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 | 6,1 m/sec | 1200 ft/min |
| Range | 636 N.M. | 680 N.M. |
CONSTRUCTION

- The Tecnam line employs a monocoque tail cone section with sheet aluminium over steel tubing for the forward section.
- The aluminium tapered wing has a conventional structure with a forward load bearing spar and a conventional rear spar.
- The wing halves are attached to the fuselage by a very strong carry-through made of 2024-T3 grade aluminium fixed to the cabin truss.
- The fuel tanks hold 13.2 gal/50 l each, located in the wing leading edges separated from the fuselage for safety.
- The sliding canopy allows 360° of vision from 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.
- All control surfaces are made out of aluminium.
- The canopy has full rollover protection.

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.
- Seating is standard with PTT on both sticks.
- The trim tab and the flaps are electrically activated with position indicators on the instrument panel.
- The fresh air vents are conveniently located on each side of the panel.
- Cabin is a roomy 36 in/111 cm wide.
- The wide instrument panel is designed to accommodate a full variety of instrumentation.
- Four point harness system is standard.

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 requires 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 ailerons are effective in allowing for a quick roll rate without being overly sensitive.
- All control surfaces are made out of aluminium.
- The canopy has full rollover protection.

ENGINE AND PROPELLER

- The top and bottom engine cowls are quickly and easily removable making any maintenance easier to accomplish. The top cowl has 2 large hinged openings for easy access to the engine compartment, without the need for tools to allow effective pre-flight inspections.
- The engine's mount is steel-tubing with shock mounts. It also supports the nosewheel assembly.
- The power plant is a Rotax 912 ULS2 series (100 Hp) four-cylinder, four-stroke engine.
- The engine is a partially liquid and partially air cooled engine with an integral 1:2.4286 reduction gearbox.
- 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 with an electrical back-up pump.
- The engine installation allows the option for an additional 40 Ah alternator.
- The battery is easily accessible through a hinged door in the rear fuselage.
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.
- Fuel Press.
- Voltmeter
- Lh + Rh Fuel Qty

FLIGHT CONTROLS
- Hydraulic Brakes
- Parking Brake

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

FUEL SYSTEM
- Two Integral Fuel Tanks With 100 Lt Total Capacity
- Engine Driven Fuel Pump
- Auxiliary Fuel Pumps, Electric
- Fuel Quick Drain

INTERIOR
- Pilot And Copilot Seats: Adjustable
- Fore And Aft
- Seat Belts & Shoulder Harness, All Seats
- Wall To Wall Carpeting
- Luggage Compartments

EXTERIOR
- Sliding Canopy With Lock And Key
- Rear Window
- Tie Down Rings
- Main Wheels, 5,00 X 5
- Nose Wheel, 4,00 X 6

EXTERIOR LIGHTS
- Vertical Tail Strobe
- Taxi Light

CABIN CONFORT SYSTEM
- Ventilator Adjustable, 2 Place

POWERPLANT AND PROPELLER
- P2002 SIERRA DELUXE:
  - 1 Rotax 912ULS2 100 Hp,
  - 4 Cylinders Liquid/Air Cooled,
  - Integrated Reduction Gear
  - 1 Rotax 912UL2 115 Hp,
  - 4 Cylinders Liquid/Air Cooled,
  - Integrated Reduction Gear
- Dual Ignition System
- Throttle Control Lh/Rh
- Tubular Steel Engine Mount

PRODUCT SUPPORT/DOCUMENTS
- Manufacturers Full Two Year Limited Warranty
- Pilots Operation Handbook
- Maintenance Manual

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.