

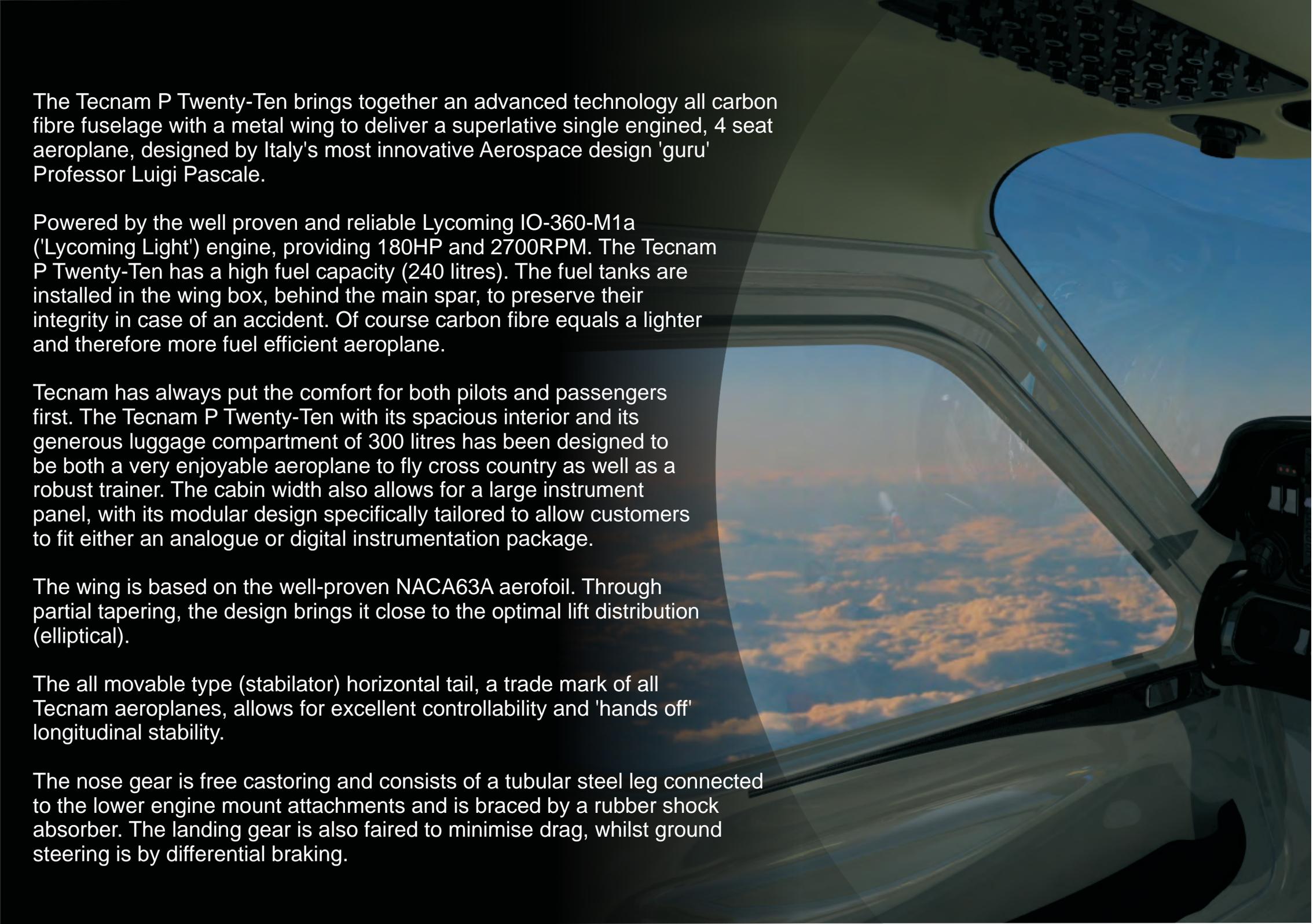
TECNAM P Twenty-ten



*Innovation, style, advanced technology and
unbeatable value...*



TECNAM



The Tecnam P Twenty-Ten brings together an advanced technology all carbon fibre fuselage with a metal wing to deliver a superlative single engine, 4 seat aeroplane, designed by Italy's most innovative Aerospace design 'guru' Professor Luigi Pascale.

Powered by the well proven and reliable Lycoming IO-360-M1a ('Lycoming Light') engine, providing 180HP and 2700RPM. The Tecnam P Twenty-Ten has a high fuel capacity (240 litres). The fuel tanks are installed in the wing box, behind the main spar, to preserve their integrity in case of an accident. Of course carbon fibre equals a lighter and therefore more fuel efficient aeroplane.

Tecnam has always put the comfort for both pilots and passengers first. The Tecnam P Twenty-Ten with its spacious interior and its generous luggage compartment of 300 litres has been designed to be both a very enjoyable aeroplane to fly cross country as well as a robust trainer. The cabin width also allows for a large instrument panel, with its modular design specifically tailored to allow customers to fit either an analogue or digital instrumentation package.

The wing is based on the well-proven NACA63A aerofoil. Through partial tapering, the design brings it close to the optimal lift distribution (elliptical).

The all movable type (stabilator) horizontal tail, a trade mark of all Tecnam aeroplanes, allows for excellent controllability and 'hands off' longitudinal stability.

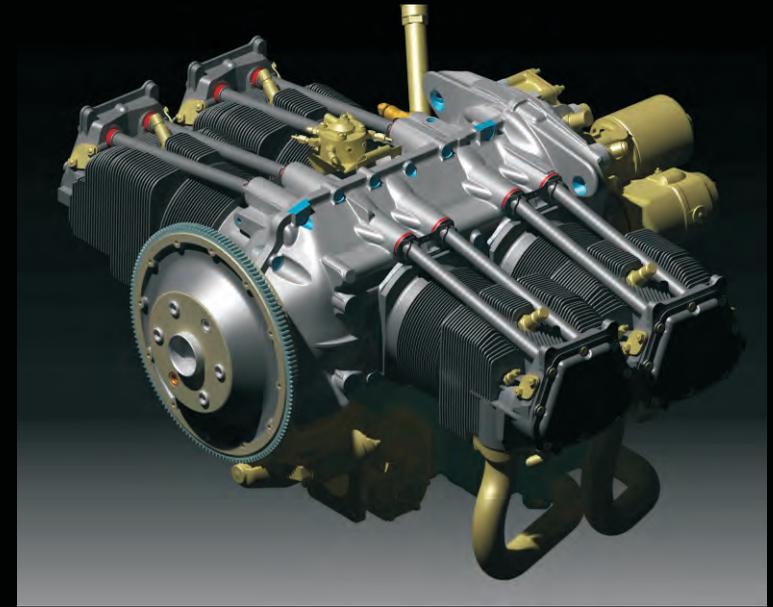
The nose gear is free castoring and consists of a tubular steel leg connected to the lower engine mount attachments and is braced by a rubber shock absorber. The landing gear is also faired to minimise drag, whilst ground steering is by differential braking.



The primary flight controls are of conventional type operated by control wheels and rudder pedals.

Stabilator is actuated by push-pull rods, rudder by cables, ailerons by push-pull rods on wing and cable in fuselage, flaps are electrically controlled and coupled by a torque tube.

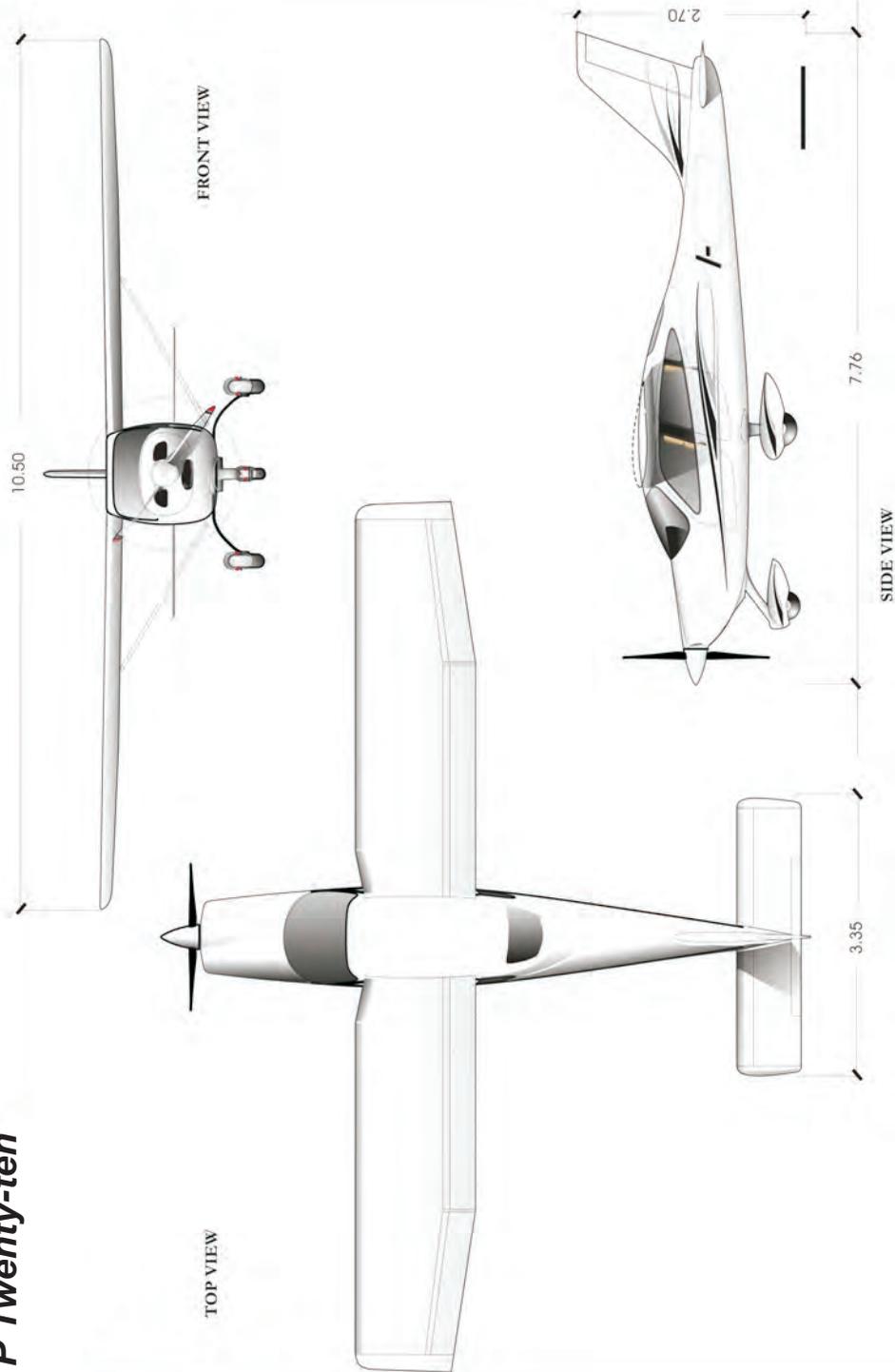
Trimming device for longitudinal control is provided : a cable-type pitch trim is controlled by a wheel located between the pilots seats and is fitted with a position indicator.



Engine is a well-proven Lycoming IO-360-M1A ('Lycoming Light') , providing 180HP and 2700RPM.

*...Designing and building aeroplanes isn't just a job,
it's an extension of our passion for flying.*

P Twenty-ten



Design Weight and Capacities

| | |
|-----------------------|--|
| Ramp Weight | |
| Takeoff Weight | 2,557 lbs (1,160 kg) |
| Landing Weight | 2,550 lbs (1,157 kg) |
| Standard Empty Weight | 1,565 lbs (710.00 kg) |
| Maximum Useful Load | 992 lbs (450 kg) |
| Baggage Allowance | 88,3 ft ³ (2,5 m ³) |
| Fuel Capacity | 55.5 gal (210 L) |

Performance

| | |
|--|------------------------|
| Service Ceiling | 15.000 ft |
| Takeoff Distance S.L. (Ground Roll) | 804 ft (245 m) |
| Takeoff Distance S.L. (To Clear 50ft. Obstacle) | 1260 ft (384 m) |
| Max Climb Rate S.L | 1050 fpm |
| Max Speed S.L | 140 kts |
| Max Range | 660 nm |
| Cruise Speed (75% pwr at 6.500 ft) | 133kts |
| Cruise Range and Endurance (75% pwr at 6.500 ft) | 545 nm |
| Landing Distance (Ground Roll) | 656 ft (200 m) |
| Landing Distance (To Clear 50 ft Obstacle) | 1027 ft (313 m) |



QUALITY AIRCRAFT SINCE 1948
TECNAM

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