

TECNAM P-2010 Gran Lusso Model Guide

The TECNAM P-2010 Gran Lusso is a four-seat, single-engine piston aircraft. The P2010 manual lists a fuel-injected Lycoming IO-360-M1A (180 hp) and a fixed-pitch propeller. The registry shows the P2010 family at up to 715 nm range and 133 kt cruise. Check the actual aircraft's configuration against the manuals.

KEY TAKEAWAYS

- Seats up to 4 including the pilot; maximum takeoff weight is 2557 lb and baggage is limited to 88 lb.
- Lycoming IO-360-M1A rated 180 hp at 2700 rpm, with a fixed-pitch MT propeller.
- Fuel: 61 US gal usable (63.4 total), approved for AVGAS 91/96 or 100LL.
- Flight in known icing is forbidden; maximum operating altitude is 12000 ft.

POWERPLANT AND FUEL

The AFM lists a Lycoming IO-360-M1A, fuel injected, with 180 hp at 2700 rpm for takeoff and continuous power. The propeller is an MT 188 R 145-4G, 2-blade, fixed pitch, 74 in diameter. Two tanks hold 63.4 US gal total and 61 US gal is usable. Approved fuel is AVGAS Grade 91/96 or 100 LL.

LIMITS TO KNOW

VNE is 166 KIAS, VNO 132 and VA 120. Load factors are +3.8 g and -1.52 g in the clean configuration. Aerobatics, spins and banks over 60 degrees are not approved. Intentional in-flight engine shutdown is forbidden. Supplemental oxygen is recommended above 10000 ft up to 12000 ft.

WHAT TO CHECK WHEN BUYING

The manual is for the P2010. A separate P2010tdi manual lists a supplement for the Gran Lusso cockpit layout. Confirm which supplements apply to the specific airframe. The KOEL lists the G1000 suite among required equipment, so check it is installed and working. Check that the manual revision is current and the paint is white, as the AFM requires.

SPECIFICATIONS

Engine Power Hp	180
Total Fuel Capacity Gal	63.4
Usable Fuel Gal	61
Wing Span Ft	33.79
Overall Length Ft	26.15
Overall Height Ft	8.66
Cabin Width Ft	3.74
Cabin Length Ft	7.54

PERFORMANCE

Max Operating Altitude Ft	12000
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V-SPEEDS

Vne Kts	166
Vno Kts	132
Va Kts	120
Vfe Kts	91
Vs1 Kts	59
Vso Kts	50

WEIGHT & BALANCE

Max Takeoff Weight Lbs	2557
Max Landing Weight Lbs	2557
Max Baggage Weight Lbs	88
Cg Forward Limit In	10.3
Cg Aft Limit In	17.3

SAFETY NOTES

- Flight in known or expected icing, near storms or in severe turbulence is forbidden.
- Do not make full or abrupt control movements above 120 KIAS (VA).
- The pilot is responsible for loading within the weight and CG limits; the baggage limit is 88 lb.