Alpi Pioneer 200 Model Guide

Alpi Pioneer 200 is a two-seat, side-by-side ultralight (ULM) built from an Alpi Aviation S.r.l. kit in San Quirino, Italy. It has a wooden airframe with fabric-covered control surfaces, tricycle gear and a 79 hp Rotax 912 UL. Its manuals limit it to day VFR with no aerobatics or spins. Maximum takeoff weight is 450 kg.

KEY TAKEAWAYS

- Two seats. Maximum takeoff weight is 450 kg and base empty weight is 280 kg. Baggage is limited to 10 kg.
- Rotax 912 UL, 79 hp. The manual quotes a 130 m takeoff ground roll and a 100 m landing roll at max weight, sea level, ISA.
- The manuals disagree on some limits (Va 162 vs 180 km/h, crosswind 28 vs 25 km/h). Check the manual for the specific aircraft.
- Day VFR only. Aerobatics, including spins, are prohibited.

AIRFRAME AND ENGINE

Wooden lattice fuselage with birch plywood, cantilever wooden wings with fabric-covered ailerons and electric slotted flaps. Wings and tailplane come off for transport. Tricycle gear with hydraulic wheel brakes. Fixed-pitch two-blade wooden propeller, 166 cm diameter. Tank holds 54 L (50 L usable). Flight manual fuel: unleaded mogas; 100LL only for short use with carbon inspection.

PERFORMANCE AND RANGE

Max level speed 200 km/h, fast cruise 190 km/h, normal cruise 180 km/h. Stall is 65 km/h clean and 62 km/h with flaps. Best climb is 220 m/min. Fuel burn at 75% power is 16.2 l/h. Range with a half-hour reserve is 510 km at 75% power and 394 km at 90%. Figures are for max weight, sea level, ISA.

WHAT TO CHECK WHEN BUYING

The manual applies only to the aircraft named on its cover by registration and serial number, so confirm the match and revision status. It is a kit build, and the maker disclaims responsibility for unauthorised modifications. Inspect the wood and fabric structure. Check engine limits: oil pressure at least 2 bar in level flight, cylinder head temperature at most 150 °C, magneto drop at most 200 RPM at 4000 RPM.

SPECIFICATIONS

Seats	2
Engine Power Hp	79
Wingspan M	7.55
Length M	6.15
Height M	2.07
Wing Area M2	10.5
Fuel Capacity L	54
Propeller Diameter Cm	166

PERFORMANCE

Max Level Speed Kmh	200
Normal Cruise Speed Kmh	180
Max Rate Of Climb M Min	220
Takeoff Ground Roll M	130
Landing Ground Roll M	100
Fuel Burn 75 Percent Lph	16.2
Max Operating Altitude M	5000
Rate Of Descent Fpm	550

V-SPEEDS

Vne Kmh	240
Vno Kmh	215
Vfe Kmh	100
Stall Clean Kmh	65
Stall Flaps Kmh	62
Lift Off Speed Kmh	85

WEIGHT & BALANCE

Empty Weight Kg	280
Max Takeoff Weight Kg	450
Max Landing Weight Kg	450
Max Baggage Weight Kg	10
Wing Loading Kg M2	42.8
Cg Forward Limit Percent Mac	16
Cg Aft Limit Percent Mac	32

SAFETY NOTES

- Aerobatics, including spins, are prohibited. Smoking is prohibited. Maximum air temperature for takeoff at gross weight is 40 °C.
- Never exceed 240 km/h. Above 215 km/h fly only in smooth air and with caution. With flaps down, stay below 100 km/h.
- The Italian manual says it gives advice only and that decisions rest with the pilot. A solo pilot must sit in the left seat.

AI-aggregated guide for the Alpi Pioneer 200 · sources: MANUALE DI IMPIEGO - Pioneer 200 (#102000) · PIONEER 200 Aircraft FLIGHT MANUAL (#100733) · PIONEER 200 (#100691) · generated 2026-10-20 · Reference only, not for flight. Check the original documents before relying on this guide.