JODEL D-113 Model Guide

The JODEL D-113 is a two-seat, fixed-gear tailwheel light aircraft with a Dacron-covered wing. It is powered by a 100 hp Continental O-200-A. Maximum takeoff and landing weight is 617 kg and cruise is about 108 kts. This guide draws on one club operating manual (F-PMEZ) and one club checklist (F-POIC), and the two disagree on some figures.

KEY TAKEAWAYS

- Two seats, 617 kg maximum weight for takeoff and landing, fixed gear with a tailwheel, and a 100 hp Continental O-200-A engine.
- Cruise is about 108 kts (185 km/h). The F-PMEZ manual gives 250 m to clear 15 m on takeoff and 230 m to stop from 15 m.
- The two source documents disagree on Vne, crosswind limit and fuel tank sizes. Confirm against the papers of the aircraft you are buying.
- Fuel is 100LL or unleaded 95 with additive. Carburettor heat and mixture handling are central to normal operation.

AIRFRAME AND ENGINE

Wingspan is 8.20 m, length 6.17 m, height 2.12 m and wing area 12.75 m2. The wing is single-spar with Dacron fabric covering. The fixed gear has rubber-block suspension and hydraulic drum brakes. The tailwheel is linked to the rudder. The engine is a 4-cylinder, air-cooled, horizontally opposed Continental O-200-A of 3278 cm3 and 100 hp. Max continuous speed is 2750 rpm. The propeller is a fixed-pitch wooden EVRA, 1.76 m in diameter.

LIMITS AND SPEEDS

Vne is 130 kts in the checklist and 250 km/h in the manual. Manual stall speed is 55 km/h. Maximum crosswind is 22 kts in the manual and 17 kts in the checklist, so use the lower figure. Rotation is 60 kts (checklist). Climb is 65 kts and final approach 45 kts. Centre of gravity limits are 17% to 34% of a 1.71 m reference chord. Maximum occupants are 2.

WHAT TO CHECK WHEN BUYING

Pre-flight items in the club checklist show where to look. Check fuel caps, inspection panel and wing fairing screws, tyre condition and pressure, gear fairings, and the tailwheel spring. Check propeller condition and fixing, and that control cables and pins are secured. Oil pressure should read 2 to 4.2 kg/cm2. Ask for records: the F-PMEZ propeller sheet shows a replacement after a ground incident.

SPECIFICATIONS

Max Takeoff Weight Kg	617
Engine Power Hp	100
Seats	2
Wing Area M2	12.75
Length M	6.17
Height M	2.12
Propeller Diameter M	1.76

PERFORMANCE

Cruise Speed Kts	108
Takeoff Distance To 15m M	250
Landing Distance From 15m M	230
Best Climb Speed Kts	65
Best Glide Speed Kts	57

V-SPEEDS

Vne Kts	130
Rotation Speed Kts	60
Climb Speed Kts	65
Best Glide Speed Kts	57
Final Approach Speed Kts	45

WEIGHT & BALANCE

Max Takeoff Weight Kg	617
Max Occupants	2
Forward Cg Limit Pct	17
Aft Cg Limit Pct	34
Reference Chord M	1.71

SAFETY NOTES

- Over-priming a cold engine can cause a fire on start-up. The checklist response is full throttle with the mixture cut off to burn off the fuel in the intake.
- Abort the takeoff if full-throttle rpm is below 2200 (checklist). The manual gives a slightly higher minimum.
- Rough running is usually carburettor ice, a wrong mixture, fuel impurities or ignition. Pull carb heat first, then work through the checklist order.

AI-aggregated guide for the JODEL D-113 · sources: MANUEL D'UTILISATION (#100329) · CHECK-LIST JODEL D113 F-POIC (#100330) · generated 2026-11-24 · Reference only, not for flight. Check the original documents before relying on this guide.