ROBIN DR400/140B Model Guide

ROBIN DR400/140B is a single-engine piston aircraft from Robin (Avions Pierre Robin). The supplied sources give no specification table, weights or performance figures. This guide covers what the documents do show: the manual set, the emergency checklist glide speeds, and the optional TAE 125 diesel conversion. Check all limits against the aircraft's own approved manual.

KEY TAKEAWAYS

- The sources give no weights, fuel capacity or cruise figures. Get them from the aircraft's own approved flight manual before buying.
- Emergency checklist glide speeds: 78 kts clean and 73 kts with takeoff flaps (AFM Edition 6, June 1995).
- Some DR400/140B aircraft may carry a TAE 125 diesel installation under EASA STC 10014219, which has its own supplement.
- Check that the manual revision and serial number match the airframe. The Swiss example is revision 5, dated September 1, 1989.

MANUALS TO VERIFY

The sources include a Swiss-registered HB-KCJ flight manual for the DR 400/140B (serial 1916, revision 5, September 1, 1989). It lists the type as utility and normal category. Ask for the approved manual that matches the serial number and any later amendments. Confirm the weight and balance pages are filled in and current.

DIESEL TAE 125 CONVERSION

A supplement (Issue 3, July 2014) covers the DR400/140B fitted with the TAE 125-01 or TAE 125-02-99 installation. It must be attached to the approved handbook. The installation uses a FADEC, and the supplement includes a FADEC backup battery test. A separate DR400 flight manual covers TAE 125-02-099 aircraft from S/N 2669 and up, and converted aircraft. The engine maker's maintenance supplement says responsibility has moved to CEAPR.

EMERGENCY CHECKLIST BASICS

The AFM Edition 6 (June 1995) checklist for engine failure in flight says: glide at 78 kts clean, fuel valve open, electric pump on, mixture fully rich, magnetos on both. For icing it calls for carburetor heat on and more power. For loss of elevator control, stabilize level flight at 70 kts using elevator trim and throttle.

V-SPEEDS

Best Glide Clean Kts	78
Best Glide Takeoff Flaps Kts	73

SAFETY NOTES

- Engine fire in flight: fuel valve off, mixture idle cut-off, glide at 78 kts, and do not attempt an engine restart.
- The icing checklist relies on carburetor heat and pitot heater. Test both on a pre-purchase flight.
- On a diesel-converted aircraft, make sure the FADEC backup battery test is done and passes.

AI-aggregated guide for the ROBIN DR400/140B · sources: Flug-Handbuch (#100669) · EMERGENCY PROCEDURES Robin DR400/140B (#100670) · Pilot's Operating Handbook Supplement DR400/135CDI (#100306) · Flight manual DR400 Equipped with TAE 125-02-099 (#101736) · Supplement Airplane Maintenance Manual (#100671) · generated 2026-10-17 · Reference only, not for flight. Check the original documents before relying on this guide.