ROBIN HR-200/120 Model Guide

The ROBIN HR-200/120 is a two-seat, fixed tricycle-gear, single-engine piston aircraft with a sliding canopy. This guide uses only the HR 200/120 B flight manual (Edition 5, January 1993, in French). The aircraft has a Lycoming O-235-L2A four-cylinder engine rated at 118 CV at 2800 rpm. It was certified in the Utility category on 17.12.1974 for daytime VFR in non-icing conditions.

KEY TAKEAWAYS

- Two seats, 1720 lb maximum takeoff and landing weight, and only 77 lb of baggage allowed.
- Lycoming O-235-L2A, 118 CV at 2800 rpm, burning AVGAS 100 LL (100 octane minimum).
- Daytime VFR only, in non-icing conditions. Vne is 160 kt and flaps-out limit (Vfe) is 96 kt.
- The manual is the 1993 French edition. Check that your aircraft's papers match this HR 200/120 B manual.

WEIGHTS, FUEL AND LOADING

Maximum takeoff and landing weight is 1720 lb in the Utility category. The loading plan assumes two occupants at 170 lb each and baggage up to 77 lb. Total fuel is 31.7 US gal (31 US gal usable). Engine oil capacity is 6 US quarts. Compute weight and balance before every flight using the Section 6 charts.

LIMITS AND ENGINE

Vne is 160 kt, Vno and Va are 131 kt, and Vfe is 96 kt. Load factor limits are -1.8 to +4.4 with flaps retracted and 0 to +2 with flaps out. Maximum rpm is 2800, the green arc runs 2200 to 2800 rpm, and maximum cylinder head temperature is 500°F. Starter use is limited to 30 seconds continuous.

WHAT TO CHECK ON INSPECTION

The manual's pre-flight covers the following. Check the canopy and its jettison levers, which are required by a special certification condition. Check flap and aileron hinges and play, tyre pressures (nose 23 psi, main 26 psi), and oil level. Check the propeller and spinner for play, the fuel drain, the static ports and pitot, and the stall warning.

SPECIFICATIONS

Seats	2
Wing Area Sq Ft	128
Fuel Capacity Total Us Gal	31.7
Fuel Capacity Usable Us Gal	31
Max Baggage Lbs	77
Propeller Diameter In	70
Propeller Pitch In	45.3
Propeller Ground Clearance In	11

V-SPEEDS

Vne Kt	160
Vno Kt	131
Va Kt	131
Vfe Kt	96
Vs1 Kt	59
Vso Kt	52
Best Glide Kt	65
Approach Speed Kt	68

WEIGHT & BALANCE

Max Takeoff Weight Lbs	1720
Max Landing Weight Lbs	1720
Max Baggage Lbs	77
Pilot And Passenger Each Lbs	170
Fuel Loading Plan Lbs	187

SAFETY NOTES

- Engine failure after takeoff: land straight ahead with only small heading changes. Never turn back to the runway. Glide at 73 kt.
- Carburettor ice: use carb heat fully on or fully off. An intermediate position can make icing worse. Re-lean the mixture if heat stays on.
- The canopy must be unlocked before touchdown in a forced landing. Two jettison levers sit on the armrests.

AI-aggregated guide for the ROBIN HR-200/120 · sources: MANUEL DE VOL HR 200/120 B (#100310) · generated 2026-11-25 · Reference only, not for flight. Check the original documents before relying on this guide.