ROBINSON R44 CLIPPER II Model Guide

ROBINSON R44 CLIPPER II is a single-engine piston helicopter in the R44 family. The registry lists R44 and R44 II variants, with up to 4 passengers, up to 113 kt cruise and up to 350 nm range at family level. The limits below come from the base R44 Pilot's Operating Handbook. Confirm them against the POH for the exact serial number you buy.

KEY TAKEAWAYS

- R44 POH: maximum gross weight 2400 lb, minimum 1550 lb, and 300 lb per seat including baggage.
- Family-level registry data: up to 4 passengers, 350 nm range, 113 kt cruise, 14,000 ft service ceiling.
- Maintenance must be done by factory-course-trained mechanics, and RHC Service Bulletin compliance is mandatory.
- The R44 POH lists a six-cylinder Lycoming O-540-F1B5 engine. Verify what is fitted to your serial number.

WEIGHTS AND LOADING

The R44 POH sets maximum gross weight at 2400 lb (1089 kg) and minimum at 1550 lb (703 kg). Each seat, including baggage, is limited to 300 lb, and each baggage compartment to 50 lb. With all doors installed, a solo pilot of 150 lb or more keeps the CG within limits. A lighter pilot needs a weight and balance calculation and may need removable ballast.

ENGINE AND FUEL

The R44 POH lists a Lycoming O-540-F1B5: 260 BHP normal rating, 205 BHP maximum continuous and 225 BHP for 5 minutes at takeoff. Usable fuel is 46.5 US gal with bladder tanks, or 48.9 gal in tanks without bladders. Service Bulletin SB-78B says tanks without bladders should no longer be in service. 100LL is an approved grade.

WHAT TO CHECK BEFORE BUYING

Annual inspections must be done by an Inspection Authorization holder or an FAA-certificated repair station. Check the 12-year inspection date and the life-limited components (Chapter 3 of the Maintenance Manual). Main and tail rotor blades are critical parts with special inspection requirements. Confirm all RHC Service Bulletins are complied with, and review the weighing record.

SPECIFICATIONS

Engine Normal Rating Hp	260
Engine Max Continuous Hp	205
Engine Takeoff Rating Hp	225
Fuel Usable Bladder Tanks Gal	46.5
Fuel Usable No Bladder Tanks Gal	48.9
Main Rotor Diameter Ft	33
Tail Rotor Diameter Inches	58

PERFORMANCE

Max Operating Density Altitude Ft	14000
Max Operating Altitude Agl Ft	9000

V-SPEEDS

Vne At Or Below 2200 Lbs Kts	130
Vne Above 2200 Lbs Kts	120
Vne Autorotation Kts	100
Vne Doors Removed Kts	100

WEIGHT & BALANCE

Max Gross Weight Lbs	2400
Min Gross Weight Lbs	1550
Max Per Seat Lbs	300
Max Baggage Compartment Lbs	50
Min Solo Pilot Weight Lbs	150

SAFETY NOTES

- Low-G cyclic pushovers are prohibited. They can cause catastrophic loss of lateral control. Aerobatic flight is also prohibited.
- Maximum operating density altitude is 14,000 ft. Flight in known icing conditions is prohibited.
- Flight with the governor selected off is prohibited, except for in-flight malfunction or emergency procedures training.

AI-aggregated guide for the ROBINSON R44 CLIPPER II · sources: R44 Pilot's Operating Handbook (#100283) · R44 Maintenance Manual and Instructions for Continued Airworthiness (#100645) · generated 2026-10-19 · Reference only, not for flight. Check the original documents before relying on this guide.