Piper PA-32R Saratoga II HP Model Guide

The Piper PA-32R Saratoga II HP is a single-engine piston, retractable-gear six-seater built from 1995 to 2009. It has a fuel-injected Lycoming rated 300 hp at 2,700 RPM, a three-blade constant-speed propeller, and two baggage compartments. Documents for this guide give limits and a landing-gear service letter, but no cruise or range figures for this exact variant.

KEY TAKEAWAYS

- Six seats, with two center seats facing aft. Max takeoff weight is 3,600 lbs, and each baggage compartment is limited to 100 lbs.
- Lycoming six-cylinder, fuel-injected engine, 300 hp at 2,700 RPM. It runs on AVGAS only.
- Fuel capacity is 107 gal, of which 102 gal is usable. Check weight and balance before every flight.
- Piper Service Letter 1331 covers a landing-gear spring attachment plate on many Saratoga II HP serial numbers. Check the plate thickness.

AIRFRAME, ENGINE AND LOADING

The airframe is aluminum alloy, with a steel engine mount and landing gear. Wings are semi-tapered, with two interconnected fuel tanks per wing. Max ramp weight is 3,615 lbs and max takeoff weight is 3,600 lbs. Fuel is 107 gal total, with 5 gal unusable and 51 gal usable per wing. Oil is 6 to 12 quarts.

LANDING GEAR SERVICE LETTER

Service Letter 1331 (June 4, 2024) lists Saratoga II HP serials 3213029 to 3213103 and 3246001 to 3246244. It recommends a one-time measurement of each main-gear spring attachment plate. A plate of 0.090 inches is fine. A plate of 0.063 inches should be replaced with Piper P/N 67753-000. Compliance is at owner discretion. Log the entry.

WHAT TO CHECK BEFORE BUYING

Confirm the airplane's serial number against Service Letter 1331, and ask for the plate thickness and the logbook entry. Check the weight and balance record and the current empty weight. The maintenance manual (part number 761 719) says to use only genuine Piper or Piper-approved parts. Inspect parts of unknown history carefully.

SPECIFICATIONS

Engine Power Hp	300
Seats	6
Fuel Capacity Total Gal	107
Fuel Usable Gal	102
Fuel Unusable Gal	5
Max Baggage Each Compartment Lbs	100

V-SPEEDS

Vne Kts	191
Vno Kts	160
Va Kts	134
Vfe Kts	110
Vle Kts	132
Vy Kts	93
Best Glide Kts	83
Vso Kts	63

WEIGHT & BALANCE

Max Ramp Weight Lbs	3615
Max Takeoff Weight Lbs	3600
Max Baggage Each Compartment Lbs	100
Usable Fuel Gal	102

SAFETY NOTES

- Approved for day and night VFR and IFR, but not for known icing. No inverted maneuvers are approved. Spins are prohibited.
- After an engine power loss, trim for 83 KIAS and switch to a tank containing fuel. Turn the electric fuel pump on, set mixture rich and open alternate air.
- Maximum demonstrated crosswind is 17 kts. Max load factor is 3.8 G with flaps up and 2.0 G with full flaps.

AI-aggregated guide for the Piper PA-32R Saratoga II HP · sources: Weight & Balance, Performance Calculation (#11467) · Emergency Procedures for the Piper PA-32R Saratoga II HP (#11616) · SERVICE LETTER NO. 1331 (#11678) · Piper Aircraft PA-32R-301/301T Maintenance Manual (#11544) · generated 2026-10-16 · Reference only, not for flight. Check the original documents before relying on this guide.