GLASAIR SH-2R Model Guide

GLASAIR SH-2R is a single-engine piston airplane. The supplied handbook is titled Glasair SII-S-RG-POH and describes the Glasair Super 11-S RG, an experimental amateur-built sport aerobatic type with landing gear and flaps. The registry gives no year, range or speed figures for this model, so the numbers below come only from the handbook excerpt.

KEY TAKEAWAYS

- Max gross is 2100 lb with the standard 23.3 ft wing and 2200 lb with the 27.3 ft extended wing. Useful load is about 700 lb, or 775 lb with extensions.
- Load limits are +3.8 G and -1.0 G at max gross. At the 1900 lb aerobatic weight they are +6.0 G and -4.0 G. Never exceed speed is 260 mph.
- Baggage is limited to 100 lb. The placard also requires that articles be stowed so they cannot interfere with the controls.
- It is a sport aerobatic type, not a competition aircraft. Intentional spins are prohibited.

WEIGHTS AND STRUCTURE

The handbook lists empty weight at about 1400 lb and useful load at about 700 lb. Max gross is 2100 lb on the standard 23.3 ft wing and 2200 lb on the 27.3 ft extended wing. Aerobatic weight is 1900 lb. Check the actual aircraft's weight and balance against these figures.

FUEL SYSTEM HABITS TO VERIFY

The small pointer on the fuel selector handle, not the handle itself, shows the selected tank, and a placard should say so. The valve must sit in a detent. Between detents it feeds from the header tank, and the engine quits when that tank is empty. Check that the valve cannot be bumped out of position.

EXPERIMENTAL STATUS AND IGNITION

Experimental amateur-built aircraft must meet FAR 91.33 equipment rules and carry a fireproof FAR 45.13 identification plate. Aerobatic maneuvers are logged during flight test and then added to the operating limitations. If a LASAR ignition is fitted, Unison says its controller goes back for recalibration at engine TBO.

SPECIFICATIONS

Wing Span Standard Ft	23.3
Wing Span Extended Ft	27.3
Wing Aspect Ratio	6.2

WEIGHT & BALANCE

Max Gross Weight Standard Wing Lbs	2100
Max Gross Weight Extended Wing Lbs	2200
Aerobatic Weight Lbs	1900
Empty Weight Approx Lbs	1400
Useful Load Approx Lbs	700
Useful Load Extended Wing Approx Lbs	775
Max Baggage Lbs	100

SAFETY NOTES

- Parking on a slope or making tight taxi turns can shift fuel into the low wing. A heavy left wing is especially critical at takeoff. Level the aircraft and let the main tank equalize first.
- Intentional spins are prohibited. Aerobatic limits apply only at or below the 1900 lb aerobatic weight.
- With gear and flaps extended, drag is high, so slips should rarely be needed.

AI-aggregated guide for the GLASAIR SH-2R · sources: Glasair SII-S-RG-POH (#102834) · Maintenance and Overhaul Manual (#101212) · generated 2026-11-24 · Reference only, not for flight. Check the original documents before relying on this guide.