

Cirrus SR22T G7 Model Guide

The Cirrus SR22T G7 is a single-engine piston airplane with 4 to 5 seats, listed from 2023 with no end year. A 2023-built SR22T in an AAIB report had a Continental TSIO-550-K engine. Cirrus's SR22T Pilot's Information Manual covers Perspective Touch+ avionics. The supplied data has no registry range, speed or weight figures, so confirm them in the airplane's own manuals.

KEY TAKEAWAYS

- Seats 4 to 5; single-engine piston; listed since 2023. No range, speed or weight figures were supplied, so confirm them in the airplane's own manuals.
- The AAIB report on a 2023 SR22T describes a bounced landing, a full-power go-around, then loss of control. The pilot had 115 hours, 16 on type.
- Ice protection (TKS) is an option. The SR22T supplement gives an 8.5 gallon fluid tank; the SR22 brochure lists the Known Ice package at 63 lbs.
- Avionics are Garmin Perspective Touch+. Garmin's SR2x guide applies to software version 3956.Q2 or later, so check the installed version.

LANDING AND GO-AROUND TECHNIQUE

Cirrus's Flight Operations Manual excerpt calls for 100% flaps on normal landings. The approach must be stabilized by 500 ft AGL or you go around. Its SR22/SR22T table shows approach speed 80-85 kts and 77 kts at 50 ft. That table lists only earlier generations, not G7. Add half the gust factor for gusts over 10 kts. Limit bank to 30° in the pattern.

LESSONS FROM THE AAIB ACCIDENT REPORT

G-RGSK, a 2023 SR22T, bounced on touchdown at the end of its third circuit. The pilot applied full power, and the nose attitude rose. The stall warning triggered, the left yaw and roll were not controlled, and the airplane stalled in the turn. Cirrus's manual says to go around for excessive bouncing or porpoising and to hold coordination with rudder as power is added.

EQUIPMENT AND WEIGHT ITEMS TO CHECK

The SR22T supplement gives a TKS fluid tank capacity of 8.5 gallon, at 9.2 pounds per gallon. A Precise Flight fixed oxygen system weighs 17.4 lb empty and 23.8 lb full, including 6.4 lb of oxygen. Check weight and balance with it installed. Ask whether the airplane has the Known Ice package, which the SR22 brochure lists as adding 63 lbs.

SPECIFICATIONS

Tks Fluid Capacity Gal	8.5
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WEIGHT & BALANCE

Oxygen System Empty Weight Lbs	17.4
Oxygen System Full Weight Lbs	23.8
Oxygen Weight Lbs	6.4

SAFETY NOTES

- Go around for any bounce, porpoise, ballooning, or touchdown beyond the first third of the runway. Add rudder as you add power.
- If the fixed oxygen system is installed, the pilot must verify that weight and balance is within limits before flight.
- The AAIB notes the ballistic parachute can deploy during an impact, which is a danger to rescuers and others near a wreck.