

Cirrus SR22 Model Guide

The Cirrus SR22 is a single-engine piston airplane, in production since 2001, seating 4 to 5 according to the model record. The handbooks in the library cover airplanes approved at a 3600 lb takeoff weight (serials 3915 and subsequent) and earlier G1/G2 airplanes. Family-level registry data shows up to 180 kt cruise and 700 nm range.

KEY TAKEAWAYS

- Cirrus SR22: piston single, 4 to 5 seats, first year 2001 and still listed as current.
- Serials 3915 and subsequent are approved at a 3600 lb takeoff weight; a known-ice checklist exists for them.
- Avionics differ by airplane: Avidyne Entegra EX5000 MFD, Cirrus Perspective, and G6 Perspective+ all appear in the documents.
- Service items to verify: backup alternator fan and pulley, turbonormalizer exhaust elbows, and exhaust system checks.

SPEEDS DIFFER BY GENERATION

Checklist speeds differ by airplane. 3600 lb airplanes: rotate at 73 KIAS (flaps 50%), 84 KIAS for obstacle clearance, best rate of climb 108 KIAS at sea level. Earlier G1/G2 airplanes: rotate at 70, obstacle clearance 78, best rate of climb 101 KIAS at sea level, short-field VREF 77 KIAS. If a checklist conflicts with the POH, the POH governs.

SERVICE HISTORY TO CHECK

Kelly Aerospace bulletin 033 mandates replacing the fan and pulley on certain backup alternators on IO550N/IOF550N engines, within 10 hours or at the next annual. Turbonormalized airplanes (Tornado Alley Turbo STC) have an exhaust elbow bulletin covering serials 2022 through 2914, due within 25 hours. Ask for proof that each was done.

MODIFICATIONS AND SAFETY SYSTEMS

Tamarack winglets with the ATLAS load alleviation system have FAA special conditions for the SR22, so check whether an airplane has them. Cirrus G6 airplanes with Perspective+ list ESP, which warns of low airspeed and pushes the yoke forward, and a cuffed wing meant to reduce spin-entry risk.

SPECIFICATIONS

Max Takeoff Weight Lbs	3600
Seats Min	4
Seats Max	5
First Year	2001
Engine Type	piston

PERFORMANCE

Family Max Cruise Speed Kt	180
Family Max Range Nm	700
Family Max Service Ceiling Ft	17500

V-SPEEDS

Rotation Normal 3600lb Kts	73
Obstacle Clearance Rotation 3600lb Kts	84
Best Rate Climb Sea Level 3600lb Kts	108
Rotation Normal G1 G2 Kts	70
Obstacle Clearance Rotation G1 G2 Kts	78
Best Rate Climb Sea Level G1 G2 Kts	101
Best Angle Climb Sea Level G1 G2 Kts	78
Vref Short Field G1 G2 Kts	77

WEIGHT & BALANCE

Max Takeoff Weight Lbs	3600
------------------------	------

SAFETY NOTES

- Exhaust leaks can let carbon monoxide into the cabin and incapacitate the pilot; CASA AD/CIRRUS/10 calls for repeat exhaust inspections every 100 hours TIS.
- The POH must be carried in the airplane and within the pilot's reach in flight. Match the handbook to the airplane's serial number.