Cirrus SR20 Model Guide

The Cirrus SR20 is a single-engine piston airplane in production since 1999. It seats 4 to 5 and has a 38 ft wingspan. The handbooks cover several generations: all-electric aircraft from serial 1268, the optional VFR-only SRV from serial 1337, and Perspective+ avionics from serial 2220 and 2339. Match the manual to the exact airplane you are buying.

KEY TAKEAWAYS

- Check the serial number first: the POH, avionics and options differ by serial range (1268, 1337, 2220/2339).
- Performance data in the handbook lists 2600 lb at sea level, ISA: 1023 ft ground roll and 1566 ft over a 50 ft obstacle.
- Older Entegra-PFD airplanes (serials 1337-1877) may lack the optional WAAS kit, which needs Avidyne Release 7.0 PFD software.
- Ask for the weight and balance history. Each equipment change alters empty weight, and useful load is whatever is left.

WHICH SR20 IS IT?

Handbooks cover all-electric SR20s from serial 1268 on. The optional VFR-only SRV package is available from serial 1337. Cirrus Perspective+ avionics appear on serial 2220, 2339 and later. Entegra-PFD airplanes cover serials 1337 through 1877. Confirm the handbook in the cockpit matches the airplane's serial.

RECORDS AND SERVICE BULLETINS

Review the weight and balance record. One sample airplane (serial 1207) listed 2134 lb basic empty weight at delivery and 3000 lb gross weight. Its useful load later fell to 844.01 lb after added equipment. Ask whether SB 2X-34-24 (WAAS antenna) was done. Check the main wheels: if heavy-duty P/N 30-52AB brakes are fitted, SB 7084 requires P/N 40-75P wheels.

FLYING NUMBERS FROM THE CHECKLIST

Rotate at 65-70 KIAS. Retract flaps at 85 KIAS. Initial climb is 96 KIAS and enroute climb is 105 KIAS. Short-field takeoff: rotate at 65 KIAS and cross the obstacle at 77 KIAS. Approach is flown at 100 KIAS with 50% flaps. Cruise power is set between 55% and 75%.

SPECIFICATIONS

Wingspan Ft	38

PERFORMANCE

Takeoff Ground Roll Ft	1023
Takeoff Distance 50ft Ft	1566
Liftoff Speed Kts	69
Obstacle Speed Kts	75

V-SPEEDS

Short Field Obstacle Speed Kts	77
Flaps Up Speed Kts	85
Initial Climb Speed Kts	96
Approach Speed Kts	100
Enroute Climb Speed Kts	105

WEIGHT & BALANCE

Gross Weight Lbs	3000
Basic Empty Weight Lbs	2134
Useful Load Lbs	844

SAFETY NOTES

- Engine failure on takeoff: abort on the runway; below 500 ft AGL land straight ahead; above 1200 ft AGL turn into the wind if returning.
- Verify the CAPS pin is removed before takeoff. Brief passengers on CAPS operation and door operation.
- Before flight remove the cowl plugs, pitot cover, tie-down ropes and chocks. A chock left behind a wheel can damage the wheel pant.

AI-aggregated guide for the Cirrus SR20 · sources: PILOT'S OPERATING HANDBOOK AND FAA APPROVED AIRPLANE FLIGHT MANUAL for the CIRRUS DESIGN SR20 (#18115) · PILOT'S OPERATING HANDBOOK AND FAA APPROVED AIRPLANE FLIGHT MANUAL for the CIRRUS DESIGN SR20 (#18159) · CIRRUS SR20 NORMAL CHECKLIST (#18127) · Performance Data for Cirrus SR22 G6 (#18141) · Weight & Balance for Cirrus SR20 (#18135) · Service Bulletin (#18171) · SERVICE BULLETIN SB 7084 (#18174) · Cirrus Owners and Pilots Quick Reference Guide for SR Series aircraft (#18116) · generated 2026-10-15 · Reference only, not for flight. Check the original documents before relying on this guide.