

Cirrus SF50 Vision Jet Model Guide

The Cirrus SF50 Vision Jet is a single-engine personal jet from Cirrus, in production since 2016, with seating listed from 4 to 7. The logbooks in the sources show a Williams International FJ33-5A engine. Cirrus lists modular seating for five adults, 300 lb baggage capacity, the Cirrus Airframe Parachute System (CAPS) and Safe Return emergency autoland. Registry family data reaches up to 1100 nm range.

KEY TAKEAWAYS

- Family-level registry data: up to 1100 nm range, 300 kt cruise and 25,000 ft ceiling. Confirm exact figures for the aircraft you are buying.
- CAPS maximum activation speed is the lower of 135 KIAS or 145 KTAS. CAPS autopilot mode is deactivated on aircraft that comply with SB5X-90-14.
- Check logbook life-limited parts: CAPS components, fire bottle, oxygen bottle, ELT battery and the BASS PRSOV (600 HRS) all carry expiry dates or limits.
- Pilots moving up from SR types: do not retract flaps on the runway. Several Vision Jet pilots raised the gear instead, before the weight-on-wheels switches signalled ground.

EQUIPMENT AND SYSTEMS

Cirrus lists CAPS, Safe Return autoland, FADEC, Garmin Perspective Touch+ avionics, a GFC 700 autopilot with Electronic Stability & Protection, a certified flight into known ice system, and air conditioning with automatic climate control as standard. The stall barrier uses a stick shaker and a stick pusher.

WHAT TO CHECK IN THE RECORDS

Logbooks list life-limited parts with expiry dates. CAPS parts expire Apr 2031 on one example aircraft and Dec 2033 on another. The fire bottle and oxygen bottle have a 5 year charge/test cycle. Verify airworthiness directive compliance, including software updates. One example logbook showed AD 2021-08-15 not yet complied with, pending a software update.

CAPS AUTOPILOT AND AFM CHANGES

An FAA AD for all SF50 airplanes followed a report of uncommanded CAPS autopilot mode activation. It requires inhibiting the CAPS autopilot, installing placards and revising the AFM and maintenance manual. AFM Temporary Change 22-04 revises the CAPS procedures. Confirm the aircraft has complied and carries the current AFM pages.

PERFORMANCE

Family Max Range Nm	1100
Family Max Cruise Speed Kt	300
Family Max Service Ceiling Ft	25000

V-SPEEDS

Caps Max Activation Ias Kt	135
Caps Max Activation Tas Kt	145

WEIGHT & BALANCE

Baggage Capacity Lbs	300
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SAFETY NOTES

- Before CAPS activation, reduce below 135 KIAS or 145 KTAS and reduce the throttle to idle. Battery power must be ON. Use a firm, steady pull with both hands.
- A Swiss investigation found burn marks at the air-conditioning compressor terminals after smoke on the ground. Battery 1 was still outputting 56 amps with consumers off.
- A Vision Jet landing accident followed a forgotten angle of attack cover. Do a complete preflight and avoid shortcuts.