CESSNA 402B Model Guide

CESSNA 402B is a piston-powered Cessna in the 402 family (402, 402A, 402B, 402C). The only detailed source is a NASA-era report on a demonstration avionics system flown in a CESSNA 402B. It gives no airframe specs or performance for this variant. Family-wide maxima are up to 8 passengers, 1260 nm range and 213 kt cruise. They are not 402B figures.

KEY TAKEAWAYS

- No 402B weights, speeds or performance appear in the inputs. Get them from the aircraft's own flight manual.
- The source describes a one-off demonstration avionics fit (DAAS), not a standard factory 402B panel.
- Family maxima (up to 8 passengers, 27000 ft ceiling, 2800 kg MTOW) are context only, not 402B data.
- Check what avionics a specific aircraft really has. Do not assume it matches the demonstrator.

WHAT THE SOURCE COVERS

The report is a functional description of the Demonstration Advanced Avionics System. It was installed in a CESSNA 402B for NASA Ames. It integrates autopilot, navigation, engine monitoring, fuel totalizer, weight and balance, performance computation and checklists on one computer. It is an avionics document, not an owner's manual.

SYSTEMS THE DEMONSTRATOR MONITORED

Engine sensors were fitted for RPM, manifold pressure and fuel flow, two of each. Configuration sensing covered wing flaps (0, 15, 30 and 45 degrees), cowl flaps, auxiliary fuel pumps, cabin doors, elevator trim and landing gear. The autopilot was a digital version of the King KFC 200. These are useful reference points when inspecting a 402B's systems.

COCKPIT AND BACKUP DESIGN

The demonstrator had the DAAS pilot in the left seat and a safety pilot in the right seat. The safety pilot's instruments were independent and adequate for safe flight with DAAS inoperative. Radio switches had a Manual position for full pilot backup. A dedicated DAAS battery backed up the DAAS power supply.

SAFETY NOTES

> - The inputs give no 402B limitations, V-speeds or weight and balance figures. Use the approved flight manual.
> - The described avionics were a demonstration installation. Confirm what is installed and approved on any aircraft you inspect.

AI-aggregated guide for the CESSNA 402B · sources: Demonstration Advanced Avionics System (DAAS) functional description (#100916) · generated 2026-11-24 · Reference only, not for flight. Check the original documents before relying on this guide.