

Cessna 208 Caravan Model Guide

The Cessna 208 Caravan is an all-metal, high-wing, single-engine turboprop utility airplane with tricycle landing gear, in production since 1984 as the 208, 208A and 208B. Library data lists 9 to 14 seats. A composite cargo pod is standard and can be removed for more performance and useful load. No registry performance figures were supplied.

KEY TAKEAWAYS

- Three variants: 208, 208A and 208B. They differ mainly in passenger windows and fuselage length, so confirm which one you are buying.
- Original engine is a Pratt and Whitney PT6A-114(A). An STC can replace it with a PT6A-140 and a 3-blade Hartzell propeller.
- Propeller, TKS anti-ice and alternator service bulletins exist. Ask for proof of compliance before you buy.
- Check which STCs are fitted. Some have serial-number or equipment restrictions that can rule out other modifications.

VARIANTS AND CONFIGURATION

The Cessna 208 Caravan is built as the 208, 208A and 208B. The major differences are passenger windows and fuselage length. The standard composite cargo pod can be removed for increased performance and useful load. An Aero Twin extended baggage kit (STC SA4625NM) is approved for the 208, 208A and 208B.

ENGINE AND PROPELLER MODIFICATIONS

Original power is the PT6A-114(A). Polar Aviation STC SVA582 covers a PT6A-140 with a 3-blade Hartzell propeller. It is not compatible with 208 serial 20800500 and above, or with TKS-equipped aircraft. Four-blade Hartzell Yukon composite propellers are also offered with no ice protection, electric de-ice or TKS.

SERVICE ITEMS TO VERIFY

Hartzell alert bulletin HC-ASB-30-358 covers broken welds on the anti-ice travel tube bracket of 3-blade propellers. McCauley SB274 replaces TKS spray head assemblies. Hartzell SB 053 covers the -2 alternator used in the 208 Caravan: a housing gap check on units built between January 2010 and March 2013.

SPECIFICATIONS

Stc 3 Blade Propeller Diameter Inches	106
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WEIGHT & BALANCE

Stc 3 Blade Propeller Weight Lbs	146.7
Stc Spinner Weight Lbs	9
Stc Propeller Arm Inches	28.5

SAFETY NOTES

- Early 208/208A airplanes (serial 20800001 through 20800105) need the fuel system modification to prevent starvation from wing tank selector mispositioning.
- McCauley SB274 is mandatory: replace all four spray head assemblies within 25 flight hours or 30 calendar days. Do not mix old and new parts.
- The NZ AD schedule lists severe icing flight manual revisions, flap bellcrank, wing strut nut and elevator torque tube items. Confirm compliance.

AI-aggregated guide for the Cessna 208 Caravan · sources: Cessna Caravan 1 Pilot Training Manual - Biobor Fuel Additives (#4174) · Airworthiness Directive Schedule Aeroplanes Cessna 208 and 208B (#4176) · Supplemental Type Certificate Number: STC SVA582 (#219) · Parts Catalog for Cessna 208 Caravan (#4217) · YUKON 208 PROPELLER INSTALLATION GUIDE (#189) · HARTZELL PROPELLER INC. ALERT SERVICE BULLETIN HC-ASB-30-358 Anti-ice - Travel Tube Bracket Weldment Replacement (#4221) · SERVICE BULLETIN SB274 B-40755A SPRAY HEAD ASSEMBLY REPLACEMENT (#4222) · Service Bulletin No. 053 Alternator HET P/N ASG12000 (-1, -2, & -3) Housing Gap Check (#4224) · Airplane Flight Manual (#4180) · generated 2026-10-15 · Reference only, not for flight. Check the original documents before relying on this guide.