

# PILATUS PC-12/47 Model Guide

PILATUS PC-12/47 is a turboprop in the Pilatus PC-12 family (PC-12, PC-12/45, PC-12/47, PC-12/47E, PC-12/47G). No variant-specific specifications were supplied, so confirm figures against the aircraft's own handbook. This guide gives family-level maxima and the service bulletin and modification points in the supplied documents.

## KEY TAKEAWAYS

- Family-level maxima, not this variant: up to 2260 nm range, 232 kt cruise, 4400 kg MTOW, 10 passengers, 35000 ft ceiling.
- SB 55-004 (stabilizer rear bolts) is mandatory. Bolts replaced since July 24, 2018 on a PC-12/47 may be affected.
- SB 32-029 covers nose landing gear corrosion. Due within 660 flying hours or 13 months of the Rev 1 release.
- Check the logbooks for any Hartzell five-blade propeller (STC SA03466CH) and any brake conversion kit.

## SAFETY NOTES

- With the Hartzell composite propeller, never heat the de-ice boots for more than 10 seconds on the ground. Wait 2 minutes between tests.
- SB 55-004: bolts without correct heat treatment have reduced material properties and could fail from fatigue.
- SB 32-029: exposed raw material and corrosion on the nose gear cylinder pipe are visible without disassembling the gear.

## SERVICE BULLETINS TO VERIFY

SB 55-004 requires a check of the horizontal stabilizer rear attachment bolts at the 12 Months Inspection. Bolts with incorrect heat treatment are replaced (1.5 man-hours). SB 32-029 Rev 1 requires inspection of the nose-wheel fork assembly for corrosion on the cylinder pipe. Repair takes 5.0 man-hours and replacement 7.0. Ask for logbook entries showing both were done.

## PROPELLER AND BRAKE MODIFICATIONS

Hartzell HC-E5A-3A/NC10245B five-blade composite propellers are approved on the PC-12 under STC SA03466CH. They have their own de-ice and lightning-strike inspection requirements. An Aircraft Wheel and Brake conversion kit (part 199-241) lists PC-12/47 among its series. Confirm which wheel and brake and propeller are fitted and that the paperwork matches.

## AVIONICS AND ELECTRICAL OPTIONS

The Mid-Continent and True Blue Power catalog lists TA202 Series high power USB chargers as standard equipment for the Pilatus PC-12. It also lists STC-approved TB40 and TB44 lithium-ion batteries, a TS835 emergency battery power supply, an MD302 SAM standby attitude module and an MD23 digital ACU. Check which are installed.