

PILATUS PC-12 NG Model Guide

The PILATUS PC-12 NG is a single-engine turboprop. The registry family (PC-12, PC-12/45, PC-12/47, PC-12/47E, PC-12/47G) lists up to 10 passengers, up to 2260 nm range, up to 232 kt cruise and a 35000 ft ceiling. These are family maxima, not figures for this exact variant. Confirm variant figures in the aircraft's own manuals.

KEY TAKEAWAYS

- Family-level maxima only: up to 10 passengers, 2260 nm range, 232 kt cruise, 35000 ft ceiling. Verify your aircraft's own figures.
- Documents supplied cover the PC-12/47E and the PC-12 NGX avionics brochure; no variant-specific weights or V-speeds were supplied.
- Check that Temporary Revision 31 (engine start, loss of avionics/engine indications) is in the POH of any PC-12/47E you inspect.
- The PC-12 NGX Honeywell Epic 2.0 cockpit adds auto-throttle, tactile feedback and Emergency Descent Mode; check which avionics suite your airframe has.

AVIONICS TO CONFIRM

The Honeywell brochure describes the PC-12 NGX with Epic 2.0 avionics: digital auto-throttle working with the FADEC-controlled engine and propeller, tactile feedback on steep bank, Emergency Descent Mode, ADS-B In traffic, SmartRunway and SmartLanding. Confirm which features your airframe actually has.

MAINTENANCE AND RECORDS

The PC-12/47E Aircraft Maintenance Manual (Revision 31, MSN 545, 1001-1719, 1721-1942) lists inspections at 300 FH, 600 FH, 1200 FH or 12 months, and 2400 FH or 24 months. It also lists unscheduled checks: hard landing, lightning strike, propeller sudden stoppage, tail-down damage, overspeed and volcanic ash. Ask for the records.

ENGINE START PROCEDURE CHANGE

POH Temporary Revision 31 (issued July 16, 2025, valid for PC-12/47E MSN 1720, 2001 and up) changes the engine start procedure. EPECS aborts a start on hung start, no light-off or starter switch pushed, and commands a 30 second dry motor run. ITT exceedance is not auto-aborted if avionics or engine indications are lost.

SPECIFICATIONS

Family Max Passengers	10
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PERFORMANCE

Family Max Range Nm	2260
Family Max Cruise Speed Kts	232
Family Max Service Ceiling Ft	35000

SAFETY NOTES

- Per TR 31: if avionics or engine indications are lost during engine start, even momentarily, set the ENGINE switch OFF and abort the flight.
- Per TR 31: report any such event to maintenance so they can check for ITT exceedance before further flight.
- Normal start check: Ng stable at 64.5%. If Ng stays below 50% and the start is not aborted, push the STARTER switch momentarily.