



Finnish Air Force Aircraft Fact Sheet



Pilatus PC-12 NG

The Pilatus PC-12 NG is a Swiss 2 + 8 seat single-engined turboprop light transport and utility aircraft. The Finnish aircraft are operated by the Air Force's three air commands in a passenger and light cargo movement role.

The PC-12 NG, which carries the military designation PI, is well suited for a wide range of missions. The PC-12 can fly passengers and cargo in and out of small runways under rapidly changing weather and lighting conditions and, at the other end of the scale, it combines speed with good economics over long ranges.

The aircraft can lift a one-ton payload in a cabin that can be reconfigured for a mixed passenger-cargo, all-passenger, or all-cargo layout. A medical transport kit is also available. The large upward-opening door in the aft fuselage facilitates loading.

The PC-12 NG is certified for operations in known icing conditions. Its pressurized cabin enables high-altitude above-weather flight, which also improves fuel economy. The aircraft with three passengers has the maximum range of 2,890 km.



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Among its advanced features is a flight deck designed to reduce pilot workload. The Honeywell Primus Apex avionics suite displays flight, engine, and navigation information along with a vast amount of other data on user-friendly display screens. Display and system management is accomplished by "clicking the mouse." The aircraft is certified for single-pilot or two-pilot operation. When flown by a single pilot, the unoccupied crew seat can be used by a passenger.

History and development

The PC-12 first flew in 1991. With the aircraft the Pilatus, which had previously been famous for its military trainers among other products, entered the field of utility and business aviation that has traditionally been dominated by twin turboprops.

The aircraft successfully combines single-engine economics with ample cabin room and good payload. The NG version, also known as the PC-12/47E, was rolled out in 2007. Its main improvement is the new avionics suite.

The Finnish Air Force selected the PC-12 NG in 2009 to replace the service's Piper Chieftains and Valmet Redigos in a liaison role. The aircraft were handed over to the Air Force in 2010. Around 1,500 PC-12s have been built in a variety of versions for worldwide civilian, military, and government operations in passenger transport, aeromed, and surveillance roles.

Technical Data

Wing span: 16.28 m

Length: 14.40 m

Height: 4.26 m

Empty weight: 2,800 kg

Maximum operating weight: 4,760 kg

Maximum cruising speed: 519 km/h

Ceiling: 9,144 m

Power plant: One Pratt & Whitney Canada PT6A-76P turboprop
rated at 895 kW / 1,200 hp

Structure: All-metal, composites used in non-load bearing components

Systems and equipment: Controllable pitch reversible propeller for reduced landing run, cabin pressurization, anti-ice systems, Primus Apex avionics suite

In service with the Finnish Air Force: 6

Updated: JAN 2018