



BECHCRAFT KING AIR 350

Typical costs of ownership between
operating with or without charter

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Since introduction, the Pilatus PC-12 has gained a reputation for outstanding performance, reliability, and operational flexibility, and Pilatus has continued to evolve its performance and technology. Its ability to land on short and unimproved runways and its low operating costs certainly make it a top choice for aircraft owners. It is certified for single-pilot operations, but it is also possible to have a second flight crew member. It has a 330 cubic foot pressurized passenger cabin with seating for up to 9 passengers.

Acquisition Prices

The price of a new PC-12 is currently about \$4.9m. Average retail pricing for one built in 2008, will be approximately \$2.5m to \$2.8m, and models that are 15 to 16 years old, 2001 to 2002, vintage, are typically in the range of \$1.8m. Prices on preowned PC-12s vary depending on the total airframe and engine hours, maintenance, record keeping and overall condition.

Cabin

The main cabin is 16ft 9in (5.10m) long and 4ft 8in (1.42m) high. It can be configured to carry up to 10 passengers but is more typically configured as 6-7 passengers in business club seating. On board Wi-Fi can be installed as a retrofit system from GoGo, and low-cost in-flight entertainment (IFE) solutions can make flights productive and entertaining.

Specs

The latest PC-12s have improved avionics, now Honeywell's Primus Apex Integrated Avionics, an enclosed lavatory, winglets to reduce aerodynamic drag and the new PT6A-67P, 1,200 horsepower Pratt & Whitney engine renowned for reliability. Interior layout, exterior views, and overall dimensions are noted in the diagram below for quick reference.

The PC-12 has a NBAA IFR Range of 1,429nm as depicted on the range map (below), and a maximum payload of 2,257lbs. High-speed cruise performance is 270kts or 310mph, or a very respectable long-range cruise performance of 202kts or 232mph for maximum fuel efficiency.

Operating Cost Summaries

Direct Mission Costs include a bundling of mission fuel consumed as noted in the aircraft's flight manual, maintenance labor, parts and reserve costs (Variable Costs), apportioned to the actual flight time for the listed NM mission length. Fuel price used for this analysis is based on a nationwide average price of \$5.04 per gallon for Jet-A. The fuel consumption figure accounts for taxi, takeoff, climb, cruise, descent, and landing for the applicable mission as appropriate for the aircraft category.

Variable Mission Costs w/o Warranty

Range	Cost
Total Variable Costs (300nm mission)	\$1,073
Total Variable Costs (600nm mission)	\$2,074
Total Variable Costs (1,000nm mission)	\$3,432

Fixed Costs (Annual)

These costs must be borne by a flight department irrespective of the level of aircraft utilization. Included are salaries for Flight Crew (exclude if owner flown); pilot annual training, hull insurance cost computed by multiplying a liability factor per \$100 of hull insurance; and liability insurance based on \$25M in coverage.

Item	Cost
Chief Pilot Salary	\$65,496
First Officer Salary	\$47,500
Crew Recurrent Training	\$12,000
Hull Insurance per \$100	\$17,640
Liability Insurance per \$M	\$5,500
Hangar / Office	\$15,591
Total	\$163,727

Variable Costs (Per Flight Hour)

These expenses are directly related to the operation of the aircraft and are represented as an hourly cost figure. Included are Fuel Expense, Maintenance Labour Expense, Parts Expense, Engine, Avionics and Propeller reserves expenses as appropriate. Parts, labour, and reserves are predicated on the assumption that the aircraft is no longer covered by the manufacturer's warranty.

Item	Cost
Fuel Expense	\$367
Airframe Sys. Parts & Labour	\$287
Engine Reserves	\$192
Propeller Reserves	\$9
Avionics Protection Program	\$77
Total	\$932

Assuming the aircraft is operated 250 hours per year, which is typical for this platform, the total operating cost per flight hour is \$1,783 including fixed costs under the above scenario. If the aircraft is owner-flown, and not professional crewed, the total cost per flight hour is \$1,232.

