

Pilatus PC-12, the real plane

Performance (Standard)

Max Cruise Speed 270 KTAS

Max Range (30000 ft., VFR reserves) 2261 nm / 4190 km-cargo version 2299 nm / 4260 km

Max Operating Altitude 30000 ft / 9150 m

Takeoff Distance Over 50 ft Obstacle (MTOW) 2300 ft / 700 m

Rate of Climb (MTOW) 1680 ft/min

Landing Distance Over 50 ft Obstacle (MTOW) 1830 ft / 560 m

vs (stall speed clean configuration) 93 kts

vso (stall speed in landing configuration) 65 kts

Weights/Capacities

Max Ramp Weight 9,965 lb / 4520 kg

Max Takeoff Weight 9,920 lb / 4500 kg

Max Landing Weight 9,920 lb / 4500 kg

Max Zero Fuel Weight 9,040 lb / 4100 kg

Standard Empty Weight 5732 lb / 2600 kg-cargo version 5476 lb / 2484 kg

Max Payload* 3108 lb / 1410 kg-cargo version 3364 lb / 1526 kg

Usable Fuel 402 US gal / 1522 liters

*Pilot not included

Interior Dimensions

Cabin Volume* 330 cu ft / 9.34 cu m

Cabin Length* 16 ft 11 in / 5.16 m

Cabin Width 5 ft / 1.53 m

Cabin Floor Width 4 ft 3 in / 1.30 m

Cabin Height 4 ft 9 in / 1.45 m

Cargo Door Opening 53 in x 52 in / 1.35 m x 1.32 m

Cargo Door Opening 25 in x 53 in / 0.64 m x 1.35 m

Baggage Compartment 40 cu ft / 1.13 cu m

*Excluding cockpit

Power Plant

Pratt & Whitney Canada PT6A-67B

Thermodynamic Power 1605 SHP

Takeoff Power (Flat Rated) 1200 SHP

Climb/Cruise 1000 SHP

Specific Fuel Consumption 0.538 lb/SHP/hr (ISA conditions at 25000 ft / 7625 m)

Propeller 4 blade Hartzell Aluminum

Propeller Speed 1700 rpm

Pilatus PC-12 for X-Plane v5.33

Speeds (at MTOW)

vne 290 kts M0.62

vmo 240 kts at FL200 M0.48

vfe flaps 15° 165 kts, flaps 40° 130 kts

vs 93 kts

vso 68 kts

MTOW 9920 lb

Empty weight 5476 lb

(for passenger ops. add first 256 lb and then the weight for passengers and baggage)

Max. fuel 2666 lb

Fuel consumption 0.538 lb/shp/hr