

PC-21 TWENTY-FIRST CENTURY TRAINER



PILATUS

PC-21

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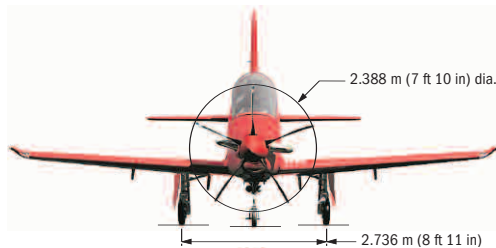
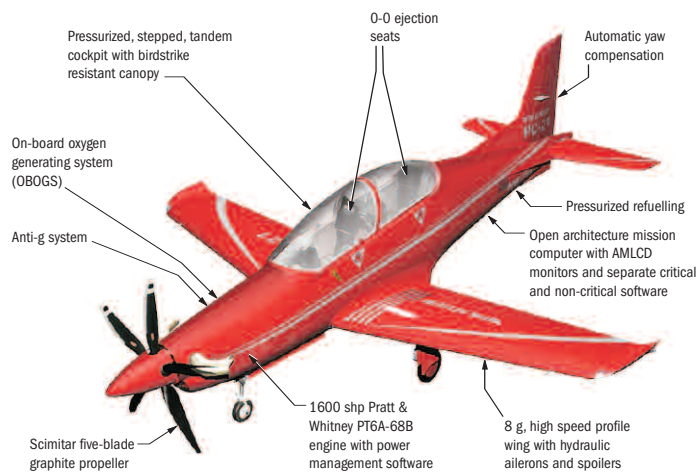
Pilatus Aircraft's newest turboprop product, the PC-21, has been developed and certified as a completely new training system with the objective of meeting the expectations of modern air forces over the next 30 years, both in terms of capability and life-cycle cost.

The PC-21 has a superior aerodynamic performance when compared with any other turboprop trainer on the market, a more powerful, flexible and cost-effective integrated training system than any other jet or turboprop trainer and a life-cycle support cost equal to current turboprop benchmarks.

TRAINING ROLES

- Basic Flying Training
- Advanced Flying Training
- Full Mission Management Training
- Embedded Simulation and Emulation

FEATURES



PERFORMANCE

The PC-21, in the aerobatic configuration, has the following performance under international standard atmospheric (ISA) conditions:

Take-off distance over 50 ft (15 m) obstacle at sea level	2,379 ft	(725 m)
Landing distance over 50 ft (15 m) obstacle at sea level	2,953 ft	(900 m)
Max. rate of climb, sea level	4,250 ft/min	(21.59 m/sec)
Max. operating speed (V_{mo})	370 KEAS	(685 km/h)
Max. horizontal speed at sea level	323 KEAS	(598 km/h)
Max. horizontal speed at 10,000 ft	337 KEAS	(624 km/h)
Stall speed		
- flaps and gear up (V_s)	92 KEAS	(170 km/h)
- flaps and gear down (V_{s0})	81 KEAS	(150 km/h)
Load factor	Aerobatic	Utility
- Max. positive	+ 8.0 g	+ 5.0 g
- Max. negative	- 4.0 g	- 2.5 g
Max. range	720 NM	(1,333 km)

WEIGHTS

Basic empty weight (depending on configuration)	5,026 lb	(2,280 kg)
Max. take-off weight, aerobatic	6,834 lb	(3,100 kg)
Max. take-off weight, utility	9,370 lb	(4,250 kg)

