

# PW6000 Engine

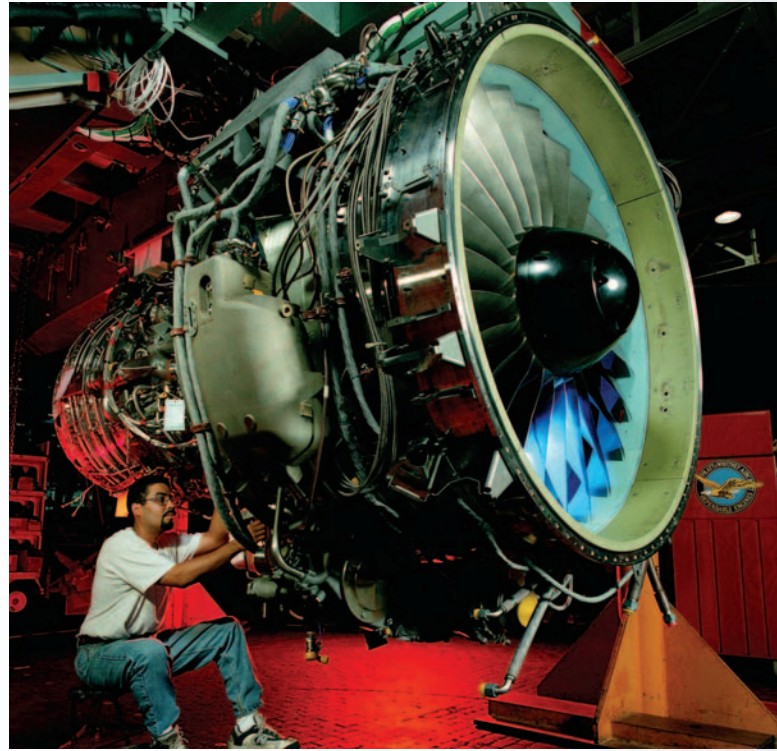
## Best Balance of Technology, Durability and Operating Economics for the Airbus A318

- Low cost of ownership
- Designed for short-haul operations
- Low noise and emissions
- 15-minute replacement for most LRU



Pratt & Whitney's PW6000 engine successfully entered into service powering the LAN Airlines A318 fleet in June 2007. Designed for demanding short-haul operations, the PW6000 engine incorporates advances in engine design and material and manufacturing technologies to set new standards for customer value. The PW6000 engine for the Airbus A318 delivers 22,000 to 24,000 pounds of thrust.

The PW6000 builds on proven technology from legacy Pratt & Whitney engine programs to deliver the lowest cost of ownership for 100-passenger aircraft operators. Pratt & Whitney has incorporated technological advances in the PW6000 engine that enable a significant reduction in parts count. Compared to other engines in its class, the PW6000 engine has fewer stages and 20 percent fewer airfoils, leading to a reduction in engine maintenance cost. The PW6000 engine's lower turbine temperature allows significantly higher EGT margin for longer time on-wing.



# PW6000 Engine

The PW6000 engine is environmentally friendly, exceeding all current and anticipated noise and emissions requirements. With substantial margin to stage 4 noise requirements, the PW6000-powered A318 can fly into many airports that have curfews and noise quotas. The engine and aircraft combination is approved for steep approach at London City airport by the European Aviation Safety Agency (EASA). In addition, the PW6000 engine meets CAEP/6 emission requirements with margin to ensure higher residual value down the road.

The PW6000 engine completed more than 29,000 cycles and 14,000 hours of development testing before entering service with LAN. Extensive testing and demonstration allowed the PW6000 engine to obtain 180 minute ETOPS qualified status.

For airlines contemplating the future acquisition of new 100-passenger aircraft, the PW6000 engine meets the challenges of low cost and clean, reliable power.

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For more information, contact Pratt & Whitney's  
24-Hour Customer Help Center at  
800-565-0140 (Domestic U.S.)  
860-565-0140 (International)  
or e-mail at [HELP24@pw.utc.com](mailto:HELP24@pw.utc.com)



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## Product Facts

### Program Milestones

Nov 2004	FAR33 engine certification
Dec 2005	PW6000-powered A318 EASA certification
Jun 2007	Entry into service with LAN Airlines

Characteristics	PW6122A	PW6124A
Diameter, fan tip, in.	56.5	56.5
Length, in.	108	108
Weight (dry engine), lbs.	5,046	5,046

### Nominal Performance—Sea level, static

Takeoff thrust, lbs.	22,100	23,800
Bypass ratio	5.0	4.8
Overall pressure ratio	26.1	28.2

<b>Aircraft Installation</b>	A318	A318 A318 Elite
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