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PW4000 100-Inch Fan Propulsion System: The Advantage for the A330 Aircraft

The PW4000 100-inch fan engine has thrust capability from 64,500 to 70,000 pounds at take-off. Developed specifically for the Airbus A330 wide-bodied twinjet, the model entered service in December 1994 approved for 90-minute Extended-range Twin-engine Operations (ETOPS) - the first derivative engine ever to qualify for ETOPS prior to service entry. The engine received 180-minute ETOPS approval in July 1995.

Pratt & Whitney supplies A330 customers the entire propulsion system - engine, nacelle, thrust reverser and accessories. This, along with superb service reliability, excellent performance retention and low cost of ownership, make the PW4000 100-inch engine an outstanding value. All PW4000 100-inch models meet or exceed current and anticipated noise and anticipated environmental requirements.

Pratt & Whitney has taken its successful PW4000 100-inch engine for the Airbus A330 to new heights with the introduction of the PW4170 Advantage70™ program. The Advantage70 is offered as a new engine and as an upgrade kit for existing engines. Advantage70 technology delivers superior engine performance, including a 2 percent thrust increase, more than 1 percent reduction in fuel consumption, increased durability, and reduced maintenance costs.

Engine Models

- PW4164/68/68A-1D
- PW4168A
- PW4170

Airplanes Powered

- Airbus A330-300
- Airbus A330-200
- Airbus A330-200/300

Program Milestones	
December 1991	Program launch
August 1993	FAA engine certification
October 1993	First flight
November 1994	90-minute ETOPS approval (industry first)
December 1994	Entry into service (EIS)
July 1995	180-minute ETOPS approval
May 2001	TALON II low emissions combustor EIS
June 2009	PW4170 Advantage70™ EIS

About Pratt & Whitney

Pratt & Whitney, a division of United Technologies Corp. (NYSE:UTX), is a world leader in the design, manufacture and service of aircraft engines, space propulsion systems and industrial gas turbines. United Technologies, based in Hartford, Conn., is a diversified, Fortune 50 company providing high technology products and services to the global aerospace and building industries.

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