Pratt & Whitney Canada
A United Technologies Company

THE PW500 TURBOFAN

THE LEADER

IN FRACTIONAL BUSINESS AVIATION

	Thermodynamic Thrust Class* (Pounds)	Mechanical Thrust Class* (Pounds)	Height** (Inches)	Width** (Inches)	Length** (Inches)
PW545 Series	4,700	4,100	47	32	68
PW535 Series	4,100	3,400	38	29	66.5
PW530 Series	3,100	2,900	35	28	60

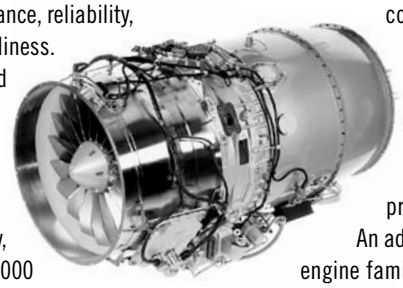
* Thrusts are approximate values at take-off. Available at sea level, standard day, static conditions, uninstalled. ** Dimensions are approximate values.

HIGH PERFORMANCE COMBINED WITH HIGH EFFICIENCY

Designed for light to mid-size business jets from engine to fully integrated power plants. The PW500 engine family combines high performance with excellent operating economics for all types of owners.

OVERVIEW

PW500 engines incorporate the latest advanced technologies in the drive to exceed our customers' expectations in performance, reliability, durability, fuel consumption and environmental friendliness. The PW500 family is comprised of 3 engine series and 7 models, ranging from 2,900 to 4,500 pounds of thrust, with more than 2,500 engines produced having accumulated over 5.7 million flight hours. Success of the PW500 in the fractional ownership and general business jet markets stems from its impressive durability, with overhaul intervals that have escalated beyond 10,000 hours together with an impressive reliability track record, all complemented by comprehensive maintenance cost guarantee plans.



FEATURES

The PW500 is a two-spool engine with a three-stage high pressure compressor driven by a single stage, cooled high pressure turbine and a two-stage low pressure turbine driving a robust, efficient fan. The PW535 and PW545 Series incorporate an added compressor boost stage driven by the fan. A high efficiency reverse-flow combustor provides low emissions and fuel consumption. An advanced exhaust mixer further contributes to the engine family's low fuel burn and noise. The overall result is a durable, compact, light weight design that powers the majority of fractional business jet operators.

TECHNOLOGY

Fan
- FOD (Foreign Object Damage) resistance, wide chord, robust and efficient design

Three-stage high pressure compressor
- Two-stage axial, single centrifugal, and integrally bladed rotors to reduce parts count

Reverse-flow combustor
- Low emissions, high durability

Single-stage high pressure turbine
- High efficiency for low fuel consumption and advanced materials and cooling technology for long, hot-end life

Two-stage low pressure turbine
- High efficiency mixer for high performance and low noise

Full Authority Digital Engine Control (FADEC)
(Electronic Engine Control -EEC- on older models)
- Ease of operation, increased accuracy with thrust control and intelligent health monitoring and diagnostics

Operators of the PW500 engines are supported by P&WC's industry-leading global customer support. The network includes over 30 P&WC-owned and designated service facilities around the world, more than 100 field support representatives on all major continents, a 24/7 Customer First Centre for rapid expert support, the most advanced diagnostic capabilities and the largest pool of P&WC rental and exchange engines in the industry.

LEARN MORE AT WWW.PWC.CA/ENGINES/PW500

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DEPENDABLE ENGINES

08-2243, rev.01-30-09