



DEPENDABLE

PW300

HIGH PERFORMANCE TURBOFAN ENGINE FAMILY



Pratt & Whitney Canada

A United Technologies Company

THE PW300 TURBOFAN THE HEART

OF MID-SIZE TO LARGE BUSINESS JETS

	Thermodynamic Thrust Class* (Pounds)	Mechanical Thrust Class* (Pounds)	Height** (Inches)	Width** (Inches)	Length** (Inches)
PW308 Series	8,350	7,000	50	46	84
PW307 Series	7,500	6,400	47	41	86
PW306 Series	7,000	6,000	45	38	76
PW305 Series	5,900	4,700	45	36	81

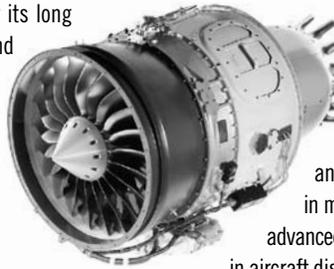
* Thrusts are approximate values at take-off. Available at sea level, standard day, static conditions, uninstalled. ** Dimensions are approximate values.

P&WC'S FIRST TOTAL INTEGRATED PROPULSION SYSTEM

Designed for mid-size to large business jets and the high expectations of the fractional ownership business jet market, the PW300 engine family combines high performance with excellent operating economics.

OVERVIEW

The PW300 is P&WC's first total integrated propulsion system including engine, nacelle and thrust reverser and is built with the latest technologies to deliver highly dependable, fuel-efficient power for its long range business jet applications. High performance and value are at the heart of the PW300 family. The PW300 family comprises 4 engine series and 9 models, ranging from 4,700 to 7,000 pounds of thrust, with more than 2,700 engines produced having accumulated over 6.9 million flight hours.



FEATURES

The PW300 is a two-spool engine with a five-stage high pressure compressor driven by a two-stage, cooled high pressure turbine and a three-stage low pressure turbine driving a robust, advanced technology fan. A high efficiency through flow combustor, with advanced TALON™ combustion in the latest models, delivers low emissions and fuel consumption. A high efficiency exhaust mixer further contributes to the engine family's low fuel burn and noise. The latest Full-Authority Digital Engine Control (FADEC) in many of the PW300 models provides reduced pilot workload and advanced engine health monitoring diagnostics, assuring a high standard in aircraft dispatch availability. The result is a compact, light weight design that powers the majority of worldwide mid-size business jets.

TECHNOLOGY

Fan (Latest models)

- Advanced shock management technology, FOD (Foreign Object Damage) resistant titanium blades and easily repairable or replaceable on aircraft

Five-stage compressor

- Includes electronically-controlled variable Inlet Guide Vanes (IGV), as well as integrally bladed rotors to reduce parts count

Through-flow combustor

- Ensures low emissions, high durability and low fuel consumption

Two-stage high pressure turbine

- High efficiency for low fuel consumption, long aircraft range, and advanced materials and cooling technology for long hot-end life

Three-stage low pressure turbine

- High efficiency mixer for high performance and low noise

Full Authority Digital Engine Control (FADEC)

- Ease of operation, increased accuracy, thrust control, health monitoring and diagnostics

Operators of the PW300 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/PW300

