



GO BEYOND

TURBOFAN

PW300 ENGINE FAMILY

THE ENGINE OF CHOICE
FOR CORPORATE AVIATION



	THERMODYNAMIC THRUST CLASS* (POUNDS)	MECHANICAL THRUST CLASS* (POUNDS)	HEIGHT** (INCHES)	WIDTH** (INCHES)	LENGTH** (INCHES)
PW308 SERIES	8,240 to 8,350	6,900 to 7,000	50	46	84
PW307 SERIES	7,500	6,410	47	41	86
PW306 SERIES	6,720 to 6,980	5,770 to 6,050	45	38	76
PW305 SERIES	5,930	4,680	45	36	81

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

AHEAD OF ITS CLASS

Conceived for mid-size to heavy business jets and designed to meet the high expectations of the business jet market, the PW300 engine family combines high performance with excellent operating economics.

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OVERVIEW

The PW300 is built 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 four engine series and 12 models, ranging from 4,700 to 8,000 pounds of thrust, with more than 6,000 engines produced and 23.5 million flight hours.

FEATURES

The PW300 is a two-spool engine with a five-stage high-pressure compressor. It is 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 low 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 as well as large, long-range business jets.

TECHNOLOGY

FAN (LATEST MODELS)	FIVE-STAGE COMPRESSOR	THROUGH-FLOW COMBUSTOR	TWO-STAGE HIGH-PRESSURE TURBINE	THREE-STAGE LOW-PRESSURE TURBINE	FULL AUTHORITY DIGITAL ENGINE CONTROL (FADEC)
Advanced shock-management technology Titanium blades resistant to FOD (foreign object damage) Easily repairable or replaceable on aircraft	Electronically controlled variable inlet guide vanes (IGVs) Integrally bladed rotors reduce parts count	Ensures low emissions, high durability and low fuel consumption	High-efficiency for low fuel consumption Long aircraft range Advanced materials and cooling technology for long hot-end life	High-efficiency mixer for high performance and low noise	Ease of operation Increased accuracy, thrust control, health monitoring and diagnostics

Operators of the PW300 engines are supported by Pratt & Whitney Canada's (P&WC) industry-leading global customer support. The network includes over 50 P&WC-owned and designated service facilities around the world, more than 100 field support managers on all major continents, two 24/7 Customer First Centres for rapid expert support, the most advanced diagnostic capabilities and the largest pool of P&WC rental and exchange engines in the industry.

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