



DEPENDABLE

JT15D

DURABLE TURBOFAN ENGINE FAMILY



Pratt & Whitney Canada

A United Technologies Company

THE JT15D TURBOFAN

OUR FIRST TURBOFAN ENGINE

AND STILL GOING STRONG

	Thermodynamic Thrust Class* (Pounds)	Mechanical Thrust Class* (Pounds)	Diameter** (Inches)	Length** (Inches)
JT15D-5 Series	3,400	3,050	27	60.5
JT15D-4 Series	2,500	2,500	27	63
JT15D-1 Series	2,200	2,200	27	59

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

DEPENDABLE AND DURABLE

The JT15D's success sparked P&WC's strong growth in business jet power. Its excellent track record in serving fractional jet business aviation and specialized trainer aircraft is well proven.

OVERVIEW

The JT15D turboprop engine family is P&WC's first turboprop engine and continues to enjoy success today as new models are introduced, embodying the latest advanced technologies. Since its introduction in the 1970's, the JT15D family has expanded to power a wide range of business aviation and government applications. The JT15D family is comprised of 3 engine series and 17 models, ranging from 2,200 to 3,400 pounds thrust, with more than 6,600 engines produced having accumulated more than 41 million hours of flight time.



FEATURES

The JT15D is a two-spool engine with only six rotating components comprising of a single-stage high pressure centrifugal compressor driven by a single-stage high pressure turbine, and a single-stage low pressure turbine driving a robust fan with wide-chord blades and compressor boost stage. A high efficiency reverse-flow combustor ensures low emissions and fuel consumption.

TECHNOLOGY

Fan

- Robust, wide chord blades

Single-stage high pressure centrifugal compressor with axial boost stage

- Compact, efficient and a low parts count for low maintenance cost

Reverse-flow combustor

- Low emissions and low fuel consumption

Single-stage high pressure turbine

- Low parts count for low maintenance cost and fast turnaround time

Single-stage low pressure turbine

- Drives fan and axial compressor boost stage

Electronic Engine Control (EEC) system with hydromechanical back-up (JT15D-4 and -5 Series)

- Ease of pilot workload

Operators of JT15D 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/JT15D

