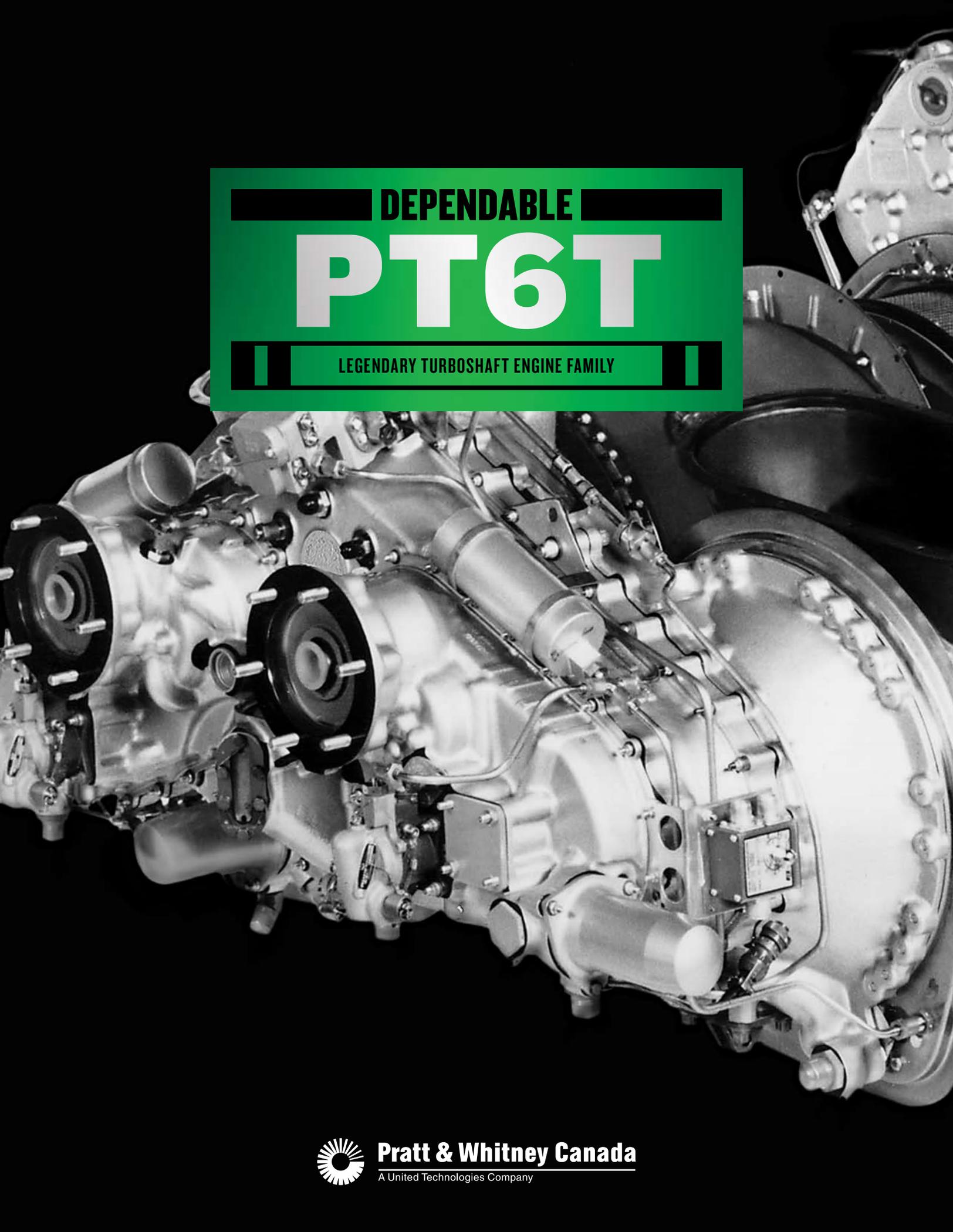


DEPENDABLE

PT6T

LEGENDARY TURBOSHAFT ENGINE FAMILY



Pratt & Whitney Canada

A United Technologies Company

THE PT6T TURBOSHAFT A LEGEND

IN THE WORLD OF HELICOPTERS

	Thermodynamic Power Class* (Shaft Horsepower)	Mechanical Power Class* (Shaft Horsepower)	Output Shaft Speed (RPM)	Height** (Inches)	Width** (Inches)	Length** (Inches)
PT6T-9 Series	2,243	1,855	6,600	32.5	43.5	66
PT6T-6 Series	1,970	1,875				
PT6T-3 Series	1,800 to 1,920	1,800 to 1,875				

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

THE RENOWNED TWIN-PAC®

The renowned Twin-Pac® is the workhorse of medium-class helicopters for four decades and still going strong. The standard in its class for rugged dependability and excellent operating economics.

OVERVIEW

The PT6T Twin-Pac® created the foundation for P&WC's success in the helicopter market, with a heritage that is second to none. Our customers associate the "Twin-Pac®" with lasting dependability since its service entry in the 1970s. The 1,800 to 2,000 shaft horsepower class, twin-power section PT6T has been produced in 12 models and its versatility has been demonstrated in a wide variety of applications. PT6T engines power aircraft in service with 350 operators in 96 countries. More than 6,000 PT6T engine power sections have been produced since the family entered service in the 1990s, accumulating more than 33 million flying hours in such applications as oil exploration, emergency medical service, maritime patrol and utility operations.



FEATURES

The PT6T basic configuration consists of two PT6A power sections coupled to a combining gearbox, with a novel clutch system enabling both twin and single engine operation. The power section configurations are exactly the same as that of the PT6A turboprop, i.e. a two-shaft configuration consisting of a multi-stage axial compressor driven by a single-stage compressor turbine, and an independent shaft coupling the power turbine to the output shaft through the combining reduction gearbox. In fact, the first PT6T-3 power section was the same as that of the PT6A-34 airline turboprop, laying the foundation for airline-level reliability in P&WC's first helicopter engine.

TECHNOLOGY

Twin-PT6 power sections with combining gearbox

- Clutch system enabling twin and single engine operation

Multi-stage axial and single-stage centrifugal compressor

- Reverse flow, radial inlet with screen for FOD (Foreign Object Damage) protection

Reverse-flow combustor

- Low emissions, high durability

Single-stage compressor turbine

- Cooled vanes to maintain high durability

Independent 'free' power turbine with shrouded blades

- Modular design for fast hot section refurbishment

Automatic Fuel Control and manual backup (Electronic Engine Control -EEC- on PT6T-9 Series)

- Ease of operation and reliable

Operators of PT6T 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/PT6T



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