

**DEPENDABLE**

# **PT6B**

**POWERFUL TURBOSHAFT ENGINE FAMILY**



**Pratt & Whitney Canada**

A United Technologies Company

# THE PT6B TURBOSHAFT CONTINUES IN THE STEPS OF THE LEGENDARY PT6

	Thermodynamic Power Class* (Shaft Horsepower)	Mechanical Power Class* (Shaft Horsepower)	Output Shaft Speed (RPM)	Height** (Inches)	Width** (Inches)	Length** (Inches)
<b>PT6B-37A</b>	1,000	900	4,373	35	19.5	64.5
<b>PT6B-36 Series</b>			6,409	32	19.5	59.2

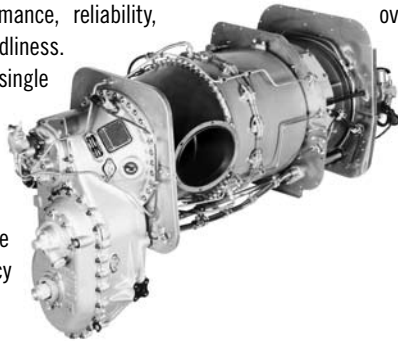
\* Powers are approximate values at take-off. Available at sea level, standard day, static conditions, uninstalled. \*\* Dimensions are approximate values.

## POWERFUL AND VERSATILE

Designed for single and twin-engine helicopters, the PT6B engine family is a direct derivative of the famous PT6T Twin-Pac® and PT6A family of engines.

### OVERVIEW

PT6B Series engines incorporate the latest technologies in the drive to exceed our customers' expectations in performance, reliability, durability, fuel consumption and environmental friendliness. The 1,000 shaft horsepower class PT6B Series, a single engine configuration, has been produced in 6 models and its versatility has been demonstrated in a wide variety of applications. More than 350 PT6B series engines power aircraft in service with 63 operators in 17 countries. More than one million flying hours have been accumulated in such applications as emergency medical service, business and utility operations.



### FEATURES

Key innovative design features have been introduced to the PT6B Series over the years to further increase its appeal in the market. The PT6B-37A features an automatic fuel control and an electronic power turbine governor with a manual back-up – a feature unique for single engine operations.

### TECHNOLOGY

#### Single-PT6 power section with output gearbox

- Provides integral clutch system

#### Multi-stage axial and single-stage centrifugal compressor

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

#### Reverse flow combustor

- Ensures low emissions, high stability and easy starting

#### 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 electronic power turbine governor with a manual back-up

- Ease of operation and reduced pilot workload

Operators of PT6B 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/PT6B](http://WWW.PWC.CA/ENGINES/PT6B)

