



DEPENDABLE

PW210

INNOVATIVE TURBOSHAFT ENGINE FAMILY



Pratt & Whitney Canada

A United Technologies Company

THE PW210 TURBOSHAFT

SHAPING A NEW GENERATION

OF HELICOPTERS

| | Thermo Power Class* (Shaft Horsepower) | Mechanical Power Class* (Shaft Horsepower) | Output Speed (RPM) | Height** (Inches) | Width** (Inches) | Length** (Inches) |
|---------------------|---|---|-----------------------|----------------------|---------------------|----------------------|
| PW210 Series | 1,050 | 800 | 6,000 to 6,409 | 23.5 | 19.7 | 43 |

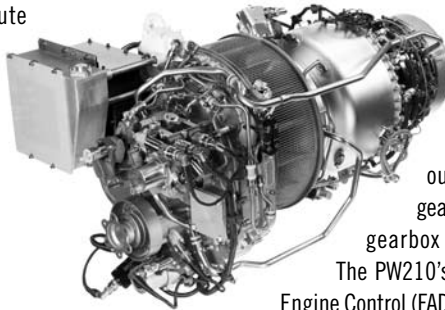
* Powers are approximate values at take-off. Available at sea level, standard day, static conditions, uninstalled. ** Dimensions are approximate values.

THE HEART OF AN EXCITING NEW GENERATION OF HELICOPTERS

Game-changing performance is the key to an exciting future for the PW210. Maintaining P&WC's reputation for high durability.

OVERVIEW

Low fuel consumption, light weight, a compact architecture, low environmental emissions, minimum maintenance and low maintenance costs define the PW210 and will contribute strongly to the success of a new generation of helicopters.



FEATURES

The 1,000 shaft horsepower class PW210 is simple in concept, with only five major rotating components and is designed for enabling easy maintenance. A two-stage centrifugal compressor driven by a single-stage turbine with an advanced technology reverse flow combustor powers a free, two-stage power turbine. The power turbine, in turn, powers the output shaft through a front-mounted reduction gearbox. Combining the reduction and engine accessory gearbox contributes to the PW210's compact design. The PW210's control system features a Full Authority Digital Engine Control (FADEC) delivering a new standard in ease of operation, maintenance diagnostics and other control features.

TECHNOLOGY

Two-stage compressor

- Compact and efficient, radial inlet with screen for FOD (Foreign Object Damage) protection and no overboard compressor bleed

Reverse flow combustor

- Green engine technology ensures low emissions, high stability, easy starting and durability

Single-stage high pressure turbine

- Advanced technology and low parts count for long life and low maintenance cost

Two-stage shrouded power turbine

- High efficiency and low vibration

Combined Reduction and Accessory gearbox

- Two-stage, compact drive train with precise electronic torquemeter and integrated oil tank

Full Authority Digital Engine Control (FADEC)

- Ease of operation, increased accuracy with fast helicopter rotor governing and intelligent health monitoring and diagnostics

Operators of the PW210 series engines will be 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/PW210

