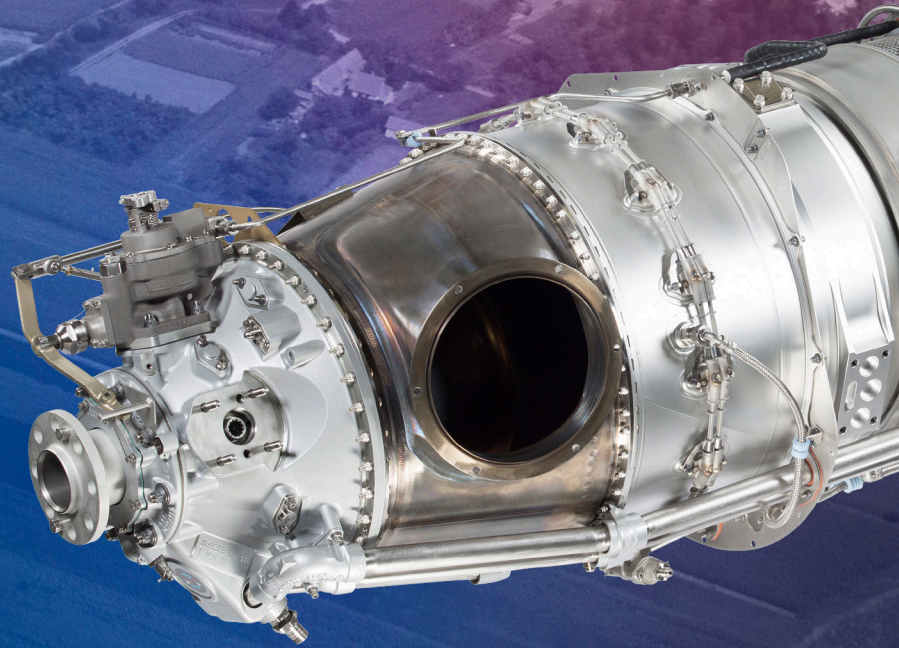




GO BEYOND

THE NEW PT6A-140AG

NEVER SETTLE FOR LESS



POWER

867 SHP up to 111°F.
No other engine in its
class compares.

PERFORMANCE

Full-load takeoff in extreme
“hot and high” environments
increases productivity.

RELIABILITY

We set the benchmark
for dependability.
It's in our DNA.

MAINTENANCE

A TBO that is not limited
by cycles along with a global
service network maximizes
engine time on-wing.

EFFICIENCY

15% more power at 5%
lower SFC means higher
profit margins.

WARRANTY

A standard warranty of
2,500 hours or 5 years
protects your investment.



GO BEYOND

PT6A-140AG

MORE ENGINE. ZERO COMPROMISE.

PURPOSE-BUILT FOR THE AGRICULTURAL MARKET

RAISING THE BAR

- Delivers 15% more power at 5% better Specific Fuel Consumption (SFC)– 867 SHP up to 111°F – the new benchmark in the 500-gallon aircraft segment.
- Fly longer and at reduced operating and maintenance costs:
 - No cycle limitations on TBO
 - TBO extension options up to 8,000 hours
 - Increased cycle limits on some LCF parts
- Exceptionally quiet, neighbour-friendly 1,900-rpm propeller.
- Optimized for rugged and demanding conditions with all-aluminum gearbox housings.
- Industry-leading 2500-hour, 5-year standard warranty.
- No mandatory time requirements for engine warm-up or cool-down the engine is ready to work when you are.

UNMATCHED PERFORMANCE

The PT6A-140AG sets new industry benchmarks for performance and efficiency in the agricultural market. Producing 867 SHP and 1,075 thermodynamic SHP, it is the most powerful and reliable engine in its class and delivers the best hot and high performance along with the highest takeoff and climb power in the 500-gallon aircraft segment. Increase your productivity and grow your margins – the PT6A-140AG allows for full-load takeoff all day, every day.

The PT6A-140AG has a comprehensive warranty of 2,500 hours or five years, standard. P&WC has named Covington Aircraft as a Designated Overhaul Facility for the PT6A-140AG engine. Covington will provide up to (and including) full engine overhaul domestically from its Okmulgee, Oklahoma, facility.

ENHANCING THE VALUE OF YOUR INVESTMENT

Ease of maintenance and flexibility are inherent to the PT6A-140AG. The Time Between Overhaul (TBO) period can be extended up to 8,000 hours or 15 years depending on the operation and it is not tied to engine cycles, making it ideal for the high-cycle. Built to outlast others in the same class, the PT6A-140AG has a minimum component life limit over 50 per cent higher than competing engines. This was achievable thru comprehensive parts testing and model analysis to extend the life of Low Cycle Fatigue (LCF) parts such as the Power and Compressor Turbine discs and the Impeller by up to 60 percent.

PROVEN RELIABILITY

Single engine turboprop safety demands a proven engine, and the PT6A-140AG's benchmark reliability and durability builds on the insights and intelligence we've acquired over more than 50 years of experience across all P&W engine platforms. The PT6A engine family has accumulated more than 410 million flying hours – roughly 90 per cent more hours than other engines in the same category.

PEACE-OF-MIND MAINTENANCE

The PT6A-140AG's modular design and externally mounted fuel nozzles make it the easiest engine in the agricultural industry to access and maintain. Simple routine engine inspections can be done while still in the field or in the hangar, eliminating surprises, reducing costs and providing peace of mind going into the spray season. More time and a predictable, planned maintenance environment means more revenue for your operation.

TECHNICAL SPECIFICATIONS

	Thermodynamic Power (SHP)	Mechanical Power (SHP)	Propeller Speed Height (Max. RPM)	Height (Inches)	Width (Inches)	Length (Inches)
PT6A-140AG	1,075	867	1,900	23.5	21	64

TECHNOLOGY

Innovative Core Design

- ▶ Advanced aerodynamics and materials.
- ▶ 10% increased massflow compressor incorporating the latest Integrally Bladed Rotor (IBR) design
- ▶ Clean sheet design reduction gearbox leveraging the latest design methodologies and advanced coatings

Compact and Powerful

- ▶ Highest power-to-weight PT6A engine model in its class
- ▶ 867 SHP takeoff power available up to 111°F/ 44°C
- ▶ A minimum component life limit which is more than 50% higher than competing engines

Improved Reliability and Maintenance

- ▶ New single crystal CT blades for enhanced durability
- ▶ All-aluminum gearbox housings for improved corrosion resistance
- ▶ Available advanced monitoring and diagnostics

Flexible

- ▶ Expanded thermal rating for improved hot and high performance
- ▶ Easy drop-in replacement for existing small PT6A applications

Green Engine Technology

- ▶ Use of latest manufacturing processes and green materials
- ▶ Improved emissions combustion system
- ▶ Demonstrated 5% reduction in SFC.