

# XP140 ENGINE+ UPGRADE

## THE NEW STANDARD FOR CARAVAN PERFORMANCE

Improve your return on investment with the XP140 Engine+ Upgrade  
and change your operations forever.



**37%**

Increased  
Climb Rate



**4,000 hrs<sup>1</sup>**

Increased Time  
Before Overhaul



**195 ktas**

Maximum  
Cruise Speed



**100° C**

Lower  
Starting Temps



**22%**

Shorter  
Takeoff Distance



**2 weeks**

Typical Engine  
Installation



**28%**  
Increase in  
Available  
Horsepower

### WHAT WILL YOU DO WITH ALL THAT POWER?

You'll get a lot more horsepower with a brand new PT6A-140 engine. But it's what you do with that power that makes all the difference.

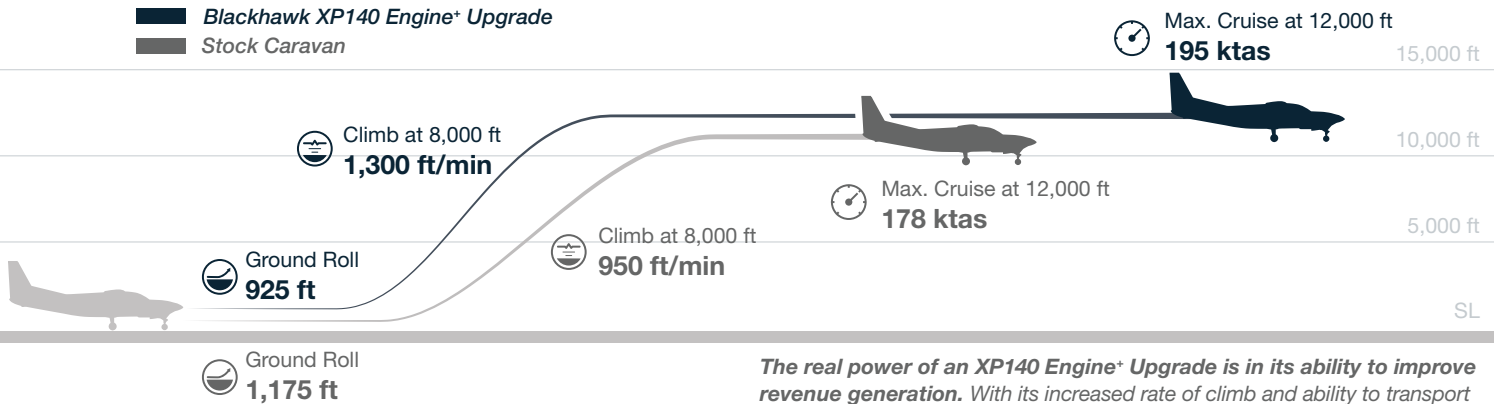
**CARRY MORE**  
**IMPROVED CLIMB**  
**FASTER SPEEDS**  
**BETTER SAFETY MARGINS**  
**ACCESS MORE AIRPORTS**

### IS AN UPGRADE RIGHT FOR YOU?

The XP140 Engine+ Upgrade is the most cost-effective solution for Caravan operators who seek improved performance, increased profitability and a better flying experience. Shoreline Aviation's John Kelly called it a "no-brainer" after upgrading their fleet.

## CARAVAN 208 PERFORMANCE COMPARISON

**Blackhawk XP140 Engine+ Upgrade**  
 **Stock Caravan**



*The real power of an XP140 Engine+ Upgrade is in its ability to improve revenue generation. With its increased rate of climb and ability to transport more weight on every flight, skydive operator Aeroatelier can carry 17 skydivers per load and make ten more trips each and every day with their XP140-powered Grand Caravan. Based at 3,700 ft, they are able to climb to 16,700 ft for the jump in only 14 minutes while using less fuel per load than their stock aircraft. He called the XP140 Engine+ Upgrade, "a VERY right decision."*

## INVESTMENT & VALUE

All this performance and value starts with an initial investment, minus the cost of your next overhaul. Other financial factors to consider include:

- Increased revenue generation
- Pratt & Whitney core engine credit up to \$50 per hour for every hour remaining to the factory TBO
- Strongest resale value of any engine upgrade on the market
- Nearly every Blackhawk-powered aircraft that has been resold within 500 hours of the upgrade has sold close to or higher than the combined investment of the airframe and engines
- TBO increased from 3,600 to 4,000 hours
- Hot section inspection interval increased from 1,800 to 2,000 hours

## WHAT'S INCLUDED

- Factory-New Pratt & Whitney Canada PT6A-140 Engine (Exchange)
- P&WC New Engine Enhanced Warranty 1,000 Hours, No Calendar Limit with Limited Coverage on Primary Parts through the 4,000 Hour TBO
- Newly Developed 325 Amp Starter-Generator, Reducing Start Temps by 100°C and Start Sequence by 50%
- 106" Three-Blade Hartzell Propeller Assembly and Spinner
- *Optional:* 97" Five-Blade MT Composite Propeller Assembly and Spinner—Exclusively from Blackhawk
- New Hawkeye DigiLog Smart Engine Gauges
- Larger Capacity Oil Cooler and Ducting
- STC Paperwork
- Globally Approved Flight Manual Supplement, Instructions for Continued Airworthiness, Pratt & Whitney Canada Engine Logbook, Blackhawk Logbook Case, Blackhawk Cycle Book
- Blackhawk Lifetime Customer Support Guarantee
- P&WC PT6 Line Maintenance Entitlement Training
- Two-Year Subscription for P&WC Engine Maintenance/Parts Manuals

## TURBOPROP HQ FAQ

### Q. *Won't an upgrade cost more than an overhaul?*

A. Yes, you'll spend more on an upgrade than an overhaul, but you'll have so much more to show for it, too: increased earning ability, better resale value, enhanced safety, reduced operating costs and a better flying experience.

### Q. *But won't I burn more fuel?*

A. Yes, the fuel burn is greater at equal altitude. However, taking advantage of the increased climb performance and higher cruise speeds significantly narrows or eliminates the increase in fuel consumption. Also, utilizing the increased climb and cruise performance will reduce block times and deliver a significant reduction in overall operating costs. Typically, any increase in fuel cost will be offset by a larger reduction in direct operating costs. We've done the math, it pays to fly faster!

### Q. *If I upgrade, does it make sense to wait until my next overhaul?*

A. Why wait to start enjoying the many benefits of an upgrade? Save money on every mission you fly, increase the capability of your aircraft, and take advantage of generous core credits for time remaining. Over half of Blackhawk's customers upgrade with more than 500 hours remaining.

### Q. *How does an upgrade compare to buying a newer aircraft?*

A. Blackhawk offers transformative performance without the risks of buying new: Will you be able to sell your aircraft for the value you expect? Will there be unexpected costs to acquire your new aircraft? Will there be unexpected issues not uncovered by the pre-buy? Upgrading with Blackhawk eliminates the uncertainty and transactional costs of buying another aircraft while transforming the performance and utility of the aircraft you know best.

### Q. *How can you complete the installation in such a short time frame?*

A. We retain your existing cowling, engine mount and exhaust system. It's a plug-and-play system that even maintains the same pilot training and operating characteristics.