

Cessna Caravan 208B Engine Upgrade Program

STANDARD BENEFITS

- Shorter takeoff distance
- Increased rate of climb
- Increased cruise speed
- Reduced operating costs
- Increased asset value
- New engine warranty

CREATING A NEW STANDARD WITH PT6A ENGINE UPGRADE PROGRAMS

StandardAero presents an innovative alternative for PT6A Operators with its Engine Upgrade Programs. Upgrading to the PT6A-140 engine provides you with the benefits of Pratt & Whitney Canada's latest technology. With improved compressor efficiency and advanced hot section materials, these upgrades will significantly improve aircraft performance, as well as provide a higher aircraft resale value.

By offering greater engine performance and enhanced warranty to your existing reliable Caravan, StandardAero is creating a new standard in PT6A support.



Caravan Upgrade Program

The StandardAero Caravan Engine Upgrade Program replaces your existing PT6A-114/114A engine with a factory new PT6A-140 engine.

StandardAero's FAA Approved Supplemental Type Certificate (STC) can be performed at any of our PT6A facilities worldwide or at a location of your choice. With minimal airframe modifications, a Caravan engine upgrade allows you to achieve a 28-45% increase in shaft horsepower, reduced takeoff distance (under 1200 feet) and up to a 40% improvement in rate of climb (1,200+ feet/minute). These benefits will give you enhanced safety margins for environmental factors, including flight in known icing conditions.

As well, StandardAero offers additional value to these upgrades by enhancing Pratt & Whitney Canada's new engine warranty with additional coverage.

Dollars & Sense

Not only do you have a stronger, faster, more powerful aircraft, but you also reduce maintenance costs with a newer and more efficient engine. All with enhanced warranty coverage.

Short Field Takeoff Performance (Cargo Pod Installed)	Stock C208B (PT6A-114A)		SA Upgraded C208B (PT6A-140)	
	Over 50' Obstacle		Over 50' Obstacle	
Sea Level, ISA 8,750 lbs. (MTOW)	2,500 ft.		2,160 ft. (-14%)	
Sea Level, ISA+20°C, 8,750 lbs. (MTOW)	2,795 ft.		2,518 ft. (-10%)	
4,000 ft. Pressure Altitude, ISA, 8,750 lbs. (MTOW)	3,051 ft.		2,651 ft. (-13%)	
4,000 ft. Pressure Altitude, ISA+20°C, 8,750 lbs. (MTOW)	3,447 ft.		3,353 ft. (-3%)	
Climb Performance (Cargo Pod Installed)	Stock C208B (PT6A-114A)		SA Upgraded C208B (PT6A-140)	
	ISA	ISA+20°C	ISA	ISA+20°C
Rate of Climb at 4,000 ft.	853 ft./min.	666 ft./min.	1,158 ft./min. (+36%)	894 ft./min. (+34%)
Cruise Performance (Cargo Pod Installed)	Stock C208B (PT6A-114A)		SA Upgraded C208B (PT6A-140)	
	ISA	ISA+20°C	ISA	ISA+20°C
Cruise Speed at 12,000 ft.	171 KTAS	157 KTAS	184 KTAS (+8%)	172 KTAS (+10%)

Note: Data based on Caravan 208B (675 SHP vs. 867 SHP), No Wind, Paved, Level, Dry Runway.