



**SOLOY CESSNA 206 "Mark 1"
TURBOPROP**





SOLOY TURBO-PROP CESSNA 206 "Mark 1" FEATURES AND SYSTEMS

TURBO-PROP POWERPLANT: Soloy's rugged, patented "Turbine Pac" utilizes the 420 hp Rolls-Royce 250-C20S turbo-shaft engine in combination with the propeller reduction gearbox, engine/gearbox frame and other components engineered and manufactured by Soloy.

PROPELLER: Hartzell 3-bladed, full feather, constant speed with autofeather. Non-reversing. Diameter 95 inches. Maximum RPM 1810.

AIRFRAME: Cessna 206G & H Stationair. all models after 1977 (1979 or later preferred because of larger fuel tanks and required 28 volt electrical system), excluding Garmin large-format EFIS.

AUXILIARY FUEL: Optional Sierra 52 gallon and Flint 30 gallon systems are available.

CABIN HEAT: Standard heater employs exhaust duct heat exchanger. Optional "Arctic Heater" supplements the standard heater with engine compressor bleed air.

FLOATS: Edo, PK and Wipaire Seaplane and Amphibious Floats are certified.

EXTERNAL NOISE: The turbine engine is inherently quiet, producing very little exhaust noise. In the Soloy system, the propeller turns very slowly, i.e., approximately 1200 RPM for taxi, 1810 RPM for takeoff and cruise. Consequently, the Soloy Turbine Cessna is exceptionally quiet in all areas of operation.

SERVICE: Available worldwide from Soloy Dealers and Rolls-Royce Engine Service Centers.

SPECIFICATIONS

	<u>"G" MODEL</u>	<u>"H" MODEL</u>
Maximum Gross Weight (Wheels)	3600 lbs.	3616 lbs.
(Wipline 4000 Floats = 3800 lbs / Wipline 3450 Floats = 3792 lbs)		
Empty Weight, Wheels, 6 Seats	1908 lbs.	2156 lbs.
Empty Weight, Amphib, 6 Seats.....	2538 lbs.	2771 lbs.
Fuel Capacity, Standard, 1978 and earlier, Usable.....	76 gal.	
Standard, 1979 and later, Usable	88 gal.	
Auxiliary Fuel, Usable (Optional, 30 gal Flint permits 200 lb MGW increase).....	+ 30 or 52 gal.	+ 30 gal
Fuel Burn Rate, Normal Cruise		
@10,000 ft. 3048 meters	24 gph.	
@20,000 ft. 6096 meters	18 gph.	
@ loiter power, 5,000 ft. 1524 meters.....	15 gph.	
Service Ceiling	20,000 ft.	
Stall Speed, Flaps Down, Flight Idle Power	52 kts.	
Takeoff Distance, Wheels, Ground Roll.....	570 ft.	
50 ft Clearance	1063 ft.	
Landing Distance, Wheels, Ground Roll	553 ft.	
50 ft Clearance	1094 ft.	

NOTE: Floatplane takeoff and landing distances have not been formally measured.
At max gross weight, takeoff water run is about 12 seconds.

Max Climb, Wheels.....	1950 fpm.
Floats	1800 fpm.
Time to Climb to 10,000 ft., 3048 m	7½ min.
Normal Cruise, Wheels, 10,000 ft., 3048 m	163 kts TAS
Floats, 10,000 ft., 3048 m	150 kts TAS
Electrical System	28 VDC, 150 AMP

NOTE: Performance specifications are at max gross weight, standard day, and may vary with individual aircraft.

2006 PRICING

(Prices shown are subject to change without notice)

Basic Conversion Kit, Installed, with New Rolls-Royce Engine.....	\$474,072
Aux Fuel (Option) 52 Gallon Sierra bladder-type	
1977-78 Models, Installed	\$20,000
1979-2003 Models, Installed	\$18,000
Aux Fuel (Option) 30 Gallon Flint Tip Tanks	
All models, Installed.....	\$20,000
Continuous Ignition, Installed (Option)	\$3,180
Floatplane Rudder Required (if not already installed)	\$10,950
Floatplane STC Adapter Kits	Call for Price

450 PAT KENNEDY WAY, S.W. • OLYMPIA, WA 98501-7298

PHONE (360) 754-7000 • FAX 360-943-7659 • E-MAIL: soloy@soloy.com WEB SITE: www.soloy.com 11/17/2006