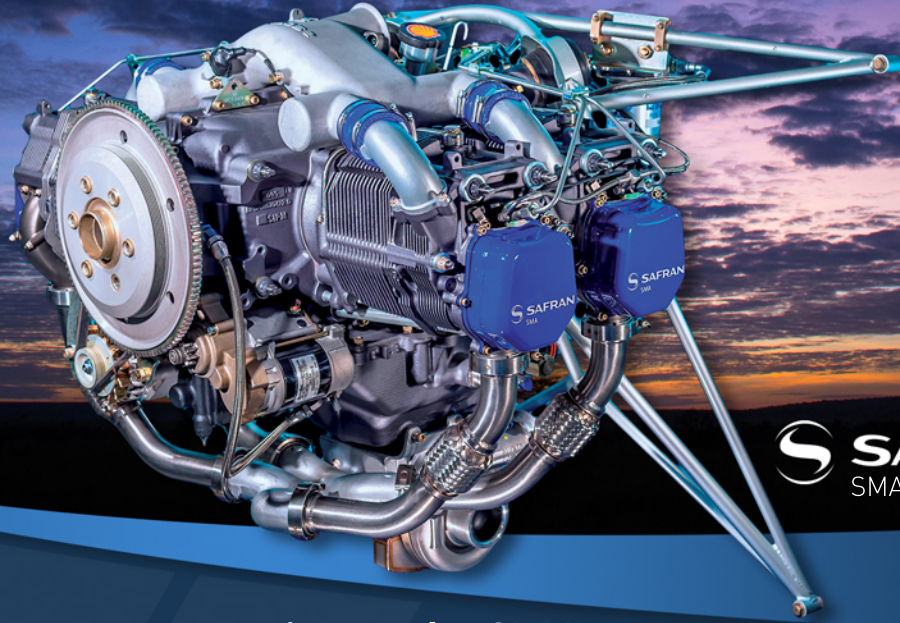


A NEW GENERATION STC DEVELOPMENT PROGRAM

bringing modern
engine technology
to a global
marketplace

Matching a legendary
airframe to a new generation
engine STC proven
throughout the world for
thousands of hours



POWER BY:
SAFRAN
SMA

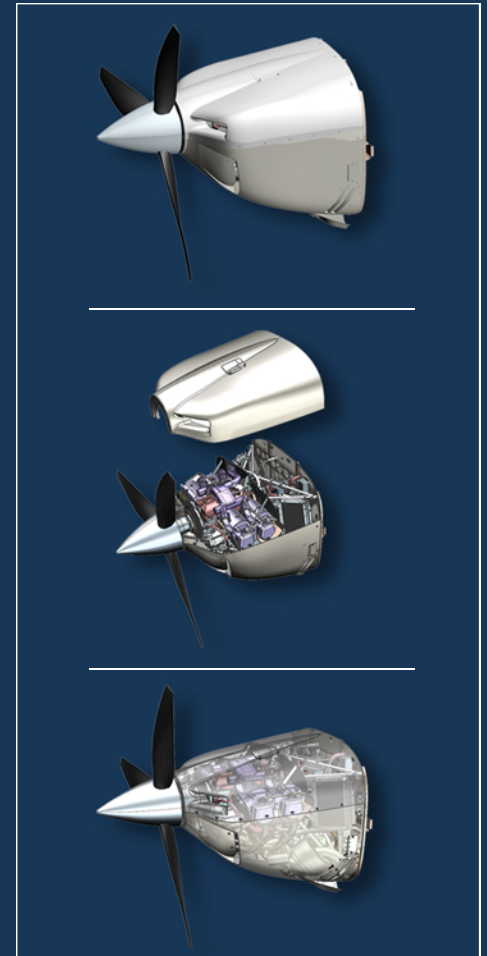
Cessna 182 Skylane power conversion to the SMA SR305-230E compression ignition (CI) engine

- » Improved engine power and reliability
- » Approximately 35% Fuel Burn Reduction over Avgas
- » Operated at 6 GPH long range - 12.2 GPH at max power
- » Increased range and payload
- » Enhanced airframe aerodynamics package
- » US based program and STC ownership by Soloy
- » Factory support that operators can trust and believe

FULL SOLOY FACTORY SUPPORT

An STC conversion you can trust

Single lever power control	decreased workload
Proprietary turbocharger	maintain takeoff power to FL100
Electronic Control Unit (ECU)	optimize starting and power delivery
Mechanical Injection Pump	reliable fuel delivery operated by ECU
Propeller Interface	constant speed, direct drive, no reduction



SPECIFICATIONS

Design Weight and Capacities

Maximum Ramp Weight	2,950 lbs (1,338 kg)
Maximum Takeoff Weight	2,940 lbs (1,333 kg)
Maximum Landing Weight	2,950 lbs (1,338 kg)
Standard Empty Weight	2,092 lbs (948 kg)
Maximum Useful Load	1,018 lbs (461 kg)
Baggage Allowance	200 lbs (91 kg)

Fuel Capacity

Total Capacity	92 gal (348.2 L)
Total Useable	88 gal (333 L)
Total Capacity each Tank	46 gal (174.1 L)
Total Useable Capacity each Tank.....	44 gal (166.5 L)

Oil Capacity

Sump	8.5 qts (8 L)
Total Capacity	12.7 qts (12 L)

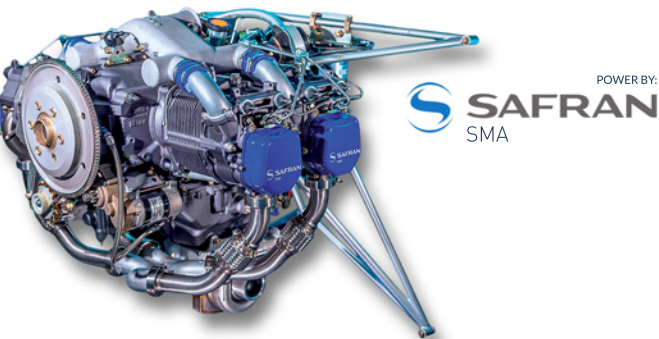
PROJECTED PERFORMANCE

Design Weight and Capacities

Service Ceiling	20,000 ft
Takeoff Distance S.L. (Ground Roll)	775 ft
Takeoff Distance S.L. (To Clear 50 ft. Obstacle)	1,385 ft
Maximum Climb Rate S.L.	1,000 fpm
Maximum Speed (10,000 ft)	156 kts / 180 mph
Maximum Range and Endurance	1,480 nm / 12.3 hrs
Cruise Speed (90% pwr at 14,000 ft)	155 kts / 178 mph
Cruise Range and Endurance (90% pwr at 14,000 ft)	1,025 nm / 6.6 hrs
Landing Distance (Ground Roll)	590 ft
Landing Distance (To Clear 50 ft. Obstacle)	1,350 ft

POWERPLANT & ACCESSORIES

- SMA SR305-230E- MAO2 Engine
 - 227 HP @2200 RPM
 - Certified for Jet A, Jet A1, TS-1 (Russia and CIS) and #3 Jet Fuel (China)
 - Turbocharging System (Fully Automatic)
 - Fuel Injection System
 - Tubular Steel Engine Mount
 - Dynafocal Rear Engine Mount
 - Engine Driven Vacuum Pump
 - Oil Cooler
- Rigid - Mounted Cowling
 - Manual Cowl Flaps
 - Induction Air Filter
 - Full Flow Oil Filter
 - Single Power Lever
 - 3 Blade Composite Prop
 - Propeller Governor
 - Propeller Spinner, Polished
 - Electric Starter
 - New Engine Gauges



**The information provided is non-contractual and may vary depending on aircraft model, configuration and certification*



SOLOY.COM

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OLYMPIA, WA (KOLM)