



Turbine Power by
Rolls-Royce®



Faster, Farther, Safer

Turbine performance and reliability

The Soloy A36 Bonanza turbine brings high speed turbine reliability to the legendary A36 Bonanza airframe. Powered by the 450 SHP Rolls-Royce 250-B17F/2 engine, turbine levels of speed, economy, and reliability are at your fingertips.

Learn more at soloy.com



Reduce take off roll by 40%. Decrease landing distance by 50%. Double your rate of climb. Shorten block-time up to 25%. Performance achieved with a Rolls-Royce Turboprop Engine conversion by Soloy Aviation.

Turboprop Power by Rolls-Royce

Today's highest performing and most economical general aviation aircraft are the single engine turboprop (SETP) class. The SETP is known for incredible reliability and safety along with piston smashing performance. Soloy continues to raise the bar with its latest version and unmatched factory support of a legendary airframe engineered to a perfect power package. The Rolls-Royce powered Soloy A36 Bonanza. Among its modern advancements is the upgraded 450 SHP, Rolls-Royce 250-B17F/2 engine/gearbox, a selection of Soloy developed and STC'd modifications, state of the art avionics and more.

Benefits

- ✓ Easy transition in the same aircraft type
- ✓ Far lower cost than any new turbo-prop
- ✓ Utilize lower cost jet fuel
- ✓ 3500 hour engine TBO
- ✓ Lower noise signature
- ✓ Greatly reduced vibration levels

A36 BONANAZA TURBOPROP CONVERSION SOLOY

SPECIFICATIONS

Seats 6 Total
Propeller 3 & 5 Blade Options

Weights

Max Ramp 3849 lbs
Max. Takeoff 3833 lbs
Max. Landing 3650 lbs
Typical Empty Weight 2,450 lbs
Typical Useful Weight 1449 lbs

Fuel Range

Capacity 114 gal(usable)
Range 1225sm @ 20,000 ft
Approved Fuel Jet A, Jet A1, JP5, & JP8

Engine

Type Rolls Royce 250-B17F/2
HP 450hp
Power/Weight 2.15:1
Weight 195lbs
Airflow 3.58 lb/sec
Pressure Ratio 7.2:1

PERFORMANCE

Climb Performance

Rate of Climb 1,900 f/pm
Time to climb to 18,000 ft 15 min
Time to climb to 20,000 ft 18 min
Service Ceiling 25,000 ft

Cruise Power

10,000 ft 200 knots
15,000 ft 205 knots
20,000 ft 195 knots

Stall Speeds

Flaps Down 57 knots
Flaps Up 65 knots

Take Off Distance

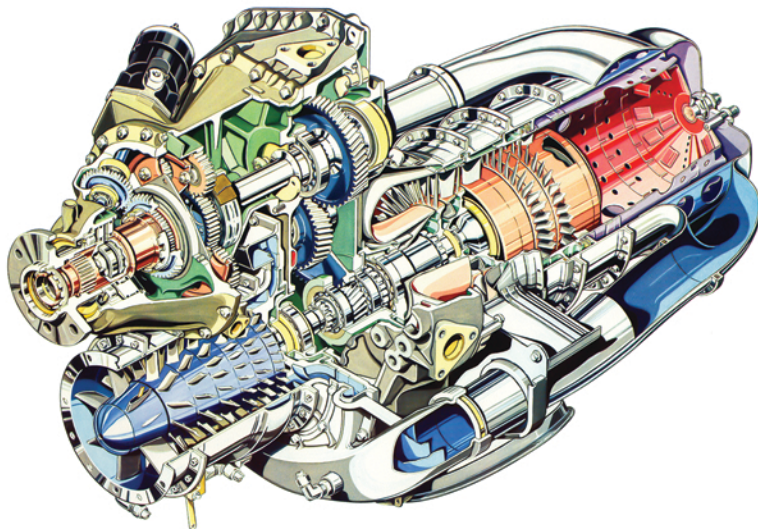
Ground Run (flaps 15 degrees) 580ft

Landing Distance

Ground Roll 325ft

Cruise Range

10,000 ft 820nm
15,000 ft 985nm
20,000 ft 1065nm



AFFORDABLE TURBINE POWER

The turbine A36 Bonanza by Soloy is powered by the Rolls-Royce 250-B17F/2 producing 450shp. This family of engines has logged over 220 million flight hours over the past 50 years of production. Proven reliability has made the 250-B17F/2 the premier and most valued light turbo-prop engine on the market today.



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