A36 BONANZA Turboprop Conversion

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
### Specifications

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<td>Propeller</td>
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#### 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

#### 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 fpm
- 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

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**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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**Soloy Aviation Solutions**

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