

CESSNA 421 TURBINE Model Guide

CESSNA 421 TURBINE: the supplied records are thin and mostly describe the piston Cessna 421 Golden Eagle, a pressurized twin with two 375 hp Continental GTSIO-520 engines. Turboprop 421s are conversions of piston airframes. The figures below are for the piston 421, not a converted turbine.

KEY TAKEAWAYS

- Specs here are for the piston 421 (7,450 lb max takeoff, 206 gal usable fuel). Get the conversion's own paperwork for a turbine.
- Turbine 421s are conversions: Riley Turbine Eagle uses two 750 hp PT6A-135 engines; Excalibur 421 uses PT6A-135A or PT6A-112.
- Turbocharger and exhaust condition matter on the piston 421. Check service bulletin compliance and V-band clamp records.
- The initial training course lists 1000 hours total time and an instrument rating as entry requirements.

WHAT IT IS

The 421 earned its type certificate in May 1967. The 421B added the Golden Eagle name. The 421C (1975) has wet wings and no wingtip fuel tanks. Production ended in 1985 after over 1,900 airplanes. Some were converted to turboprops.

PERFORMANCE (PISTON 421)

Maximum speed is 256 kn at 20,000 ft. Cruise is 240 kn at 25,000 ft at 75% power. Range is 1,487 nmi and service ceiling 30,200 ft. Usable fuel is 206 US gal, or 262 US gal with optional wing tanks.

PRE-BUY FOCUS

Check turbocharger records against the 2008 turbine housing bulletin and the 2010 rebuilt turbine wheel bulletin. Review exhaust inspection history, including V-band clamp replacement. A turbine conversion also needs its own engine and STC records.

SPECIFICATIONS

Engine Power Hp	375
Fuel Capacity Usable Gal	206
Fuel Capacity Optional Gal	262

PERFORMANCE

Max Speed Kts	256
Cruise Speed Kts	240
Range Nm	1487
Service Ceiling Ft	30200
Rate Of Climb Fpm	1940
Takeoff Distance Ft	2323
Landing Distance Ft	2293

WEIGHT & BALANCE

Max Takeoff Weight Lbs	7450
Empty Weight Lbs	4501
Zero Fuel Weight Lbs	6733
Usable Fuel Lbs	1236

SAFETY NOTES

- Bulletin 030 Rev. A covers turbine housings made Aug 25, 2006 to Jan 25, 2008 on 421 Golden Eagle turbochargers. Compliance was due within ten hours.
- Rebuilt turbochargers supplied Jan 2007 to Jun 2009 may fail without warning (MSB10-3). Compliance was due within ten hours of service.
- A 421C crashed after takeoff when Jet A was loaded instead of 100LL. Be present at fueling and confirm the grade and quantity.