

Piper PA-28RT Arrow IV Turbo Model Guide

The Piper PA-28RT Arrow IV Turbo is a four-seat, single-engine piston airplane built from 1979 to 1982. It has a 200 hp Continental TSIO-360-FB, a six-cylinder, turbosupercharged, fuel-injected engine. The engine drives a Hartzell constant-speed, hydraulically actuated propeller. Maximum takeoff weight is 2900 lbs.

KEY TAKEAWAYS

- Four seats, 1979-1982 production, turbosupercharged fuel-injected Continental TSIO-360-FB rated at 200 hp.
- Maximum takeoff and landing weight are both 2900 lbs. Maximum ramp weight is 2912 lbs. Baggage limit is 200 lbs.
- FAA AD 82-06-11 R1 requires nose landing gear inspection, rigging and modification on listed serial numbers.
- Wing removal is governed by AD 87-08-08, and the wing spar must be inspected whenever a wing is removed.

ENGINE AND PROPELLER

The Continental TSIO-360-FB is rated 200 hp at 2575 rpm, with a 41 in. Hg maximum manifold pressure. It has 360 cu in displacement and a 7.5:1 compression ratio. It is direct drive, air cooled and horizontally opposed. The standard Hartzell propeller is two-bladed, 76 in. maximum and 75 in. minimum diameter. Fuel is 100 green or 100LL blue avgas only.

WEIGHTS AND DIMENSIONS

Maximum takeoff weight is 2900 lbs and maximum landing weight is 2900 lbs. Maximum ramp weight is 2912 lbs and the baggage compartment is limited to 200 lbs. Wing area is 170.0 sq ft and minimum turning radius, pivot point to wingtip, is 31.0 ft. Check the standard empty weight and the current weight and balance record for the actual airplane before working out useful load.

DOCUMENTS AND PARTS SUPPORT

The Turbo Arrow IV Information Manual is the pilot's handbook. A combined PA-28RT-201/201T maintenance manual and parts catalog (P/N 761 693) also cover the airplane. The maintenance manual lists a Program Inspection Manual, P/N 761 736. The model is listed with the PA-28 family under FAA Type Certificate 2A13 in the New Zealand CAA airworthiness directive schedule.

SPECIFICATIONS

Max Takeoff Weight Lbs	2900
Max Landing Weight Lbs	2900
Max Ramp Weight Lbs	2912
Max Baggage Weight Lbs	200
Rated Horsepower Hp	200
Propeller Diameter Max In	76
Propeller Diameter Min In	75

SAFETY NOTES

- AD 82-06-11 R1 covers PA-28RT-201T serials 28R-7931001 through 28R-8131193. Confirm nose gear inspection, rigging and modification per Piper SB 724A is logged.
- Confirm AD 87-08-08 wing spar inspection compliance. Service Letter 997 gives the wing removal and reinstallation procedure.
- The handbook is valid only for the airplane named on its title page and only if kept current. Verify the copy matches the airplane's serial number.