

CESSNA T310 Model Guide

CESSNA T310 is the turbocharged version of Cessna's piston light twin, sold as the T310P, T310Q and T310R in the 310 family. The most detailed figures in our documents come from a 1978 Turbo 310R: 5,500 lb max takeoff weight, 183 gallons of fuel and a demanding single-pilot cockpit. The 310 family lists up to 6 passengers.

KEY TAKEAWAYS

- Turbo 310R example: 5,500 lb max takeoff, 5,535 lb ramp, 5,400 lb landing. Full 183 gal fuel leaves only 481 lb of payload.
- A pilot article calls it demanding with high workload. It still recommends a checkout with an experienced 310 pilot.
- Family-level context only: 310 variants reach up to 193 kt cruise, 640 nm range and 25,000 ft ceiling. These are not T310 figures.
- Check logbooks for the turbocharger back plate, prop de-ice boots and KT 76A transponder compliance.

LOADING AND FUEL

The 1978 Turbo 310R holds 183 gal: 50 in each main tip tank, 31.5 in each aux wing tank and 20 in the wing locker. Only the mains can be used outside level flight, and line crews sometimes fill the aux tanks by mistake. Zero fuel weight is 5,015 lb. The planned cruise radius was 370 nm at 10,000 ft.

HANDLING

Early 310s had a dutch roll tendency and clumsy ground handling. A modified nose gear, ventral fin and extended tail cone arrived in 1969. Best single-engine climb speed is 106 knots. Gross weight takeoffs use a lot of runway, so work out balanced field length before loading near the limit.

UPGRADES AND SERVICE ITEMS

The Micro VG kit has an STC for the T310P and Q. It costs \$2145 plus shipping and adds 92 vortex generators and four strakes, and it is claimed to lower Vmc and stall speeds. Hartzell de-ice boot P/N 4H1601-14 for the T310 P, Q and R covers the leadwires after reports of them coming loose.

SPECIFICATIONS

Total Fuel Capacity Gal	183
Main Tank Capacity Gal	50
Aux Tank Capacity Gal	31.5
Wing Locker Tank Capacity Gal	20
Max Cabin Baggage Load Lbs	1059

PERFORMANCE

Cruise Radius Nm	370
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V-SPEEDS

Best Single Engine Climb Speed Kt	106
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WEIGHT & BALANCE

Max Ramp Weight Lbs	5535
Max Takeoff Weight Lbs	5500
Max Landing Weight Lbs	5400
Zero Fuel Weight Lbs	5015
Empty Weight Lbs	3956

SAFETY NOTES

- Hartzell SB 058: replace turbo back plate P/N 406795-0058 with 490006 at next overhaul, 2000 hours or twelve years, whichever is first, if fitted.
- Check fuel visually before flight, and fill the mains rather than the aux tanks. Uneven fuel on a sloped ramp can be a handful in flight.
- KT 76A transponders are listed as fitted to the T310. The CASA AD required the Mod 7 resistor module replacement, so verify it in the logbooks.