

CESSNA T206 Model Guide

CESSNA T206 is a turbocharged single-engine piston airplane. The figures here come from the T206H handbook supplement. It has a 3789 lb max takeoff weight, 87 gal of usable fuel and 176 kt top speed at 17,000 ft. One state patrol unit lists a 310 hp Lycoming IO-540 and a rear cargo door. Buyers should check autopilot and door-egress service items.

KEY TAKEAWAYS

- T206H max takeoff weight is 3789 lb with 1492 lb max useful load and 87 gal usable fuel.
- Quick and high: 176 kt max at 17,000 ft, 161 kt cruise at 75% power at 20,000 ft, 26,000 ft service ceiling.
- Check the KAP 140 autopilot AD and the G1000 NXI ESP software bulletin, depending on your serial number.
- The rear cargo door can be blocked by extended flaps. Confirm the exit placard is fitted.

PERFORMANCE AND LOADING (T206H)

Takeoff ground roll is 1060 ft and 1970 ft over a 50 ft obstacle. Rate of climb at sea level is 960 fpm. Stall speed is 69 KCAS flaps up and 58 KCAS flaps full, power idle. Max ramp weight is 3806 lb and max landing weight is 3600 lb. The baggage compartment is limited to 180 lb. Max range at 10,000 ft is 676 NM with 87 gal usable.

AIRWORTHINESS ITEMS TO VERIFY

The CASA AD for the Honeywell KAP 140 autopilot covers listed 206H/T206H serial numbers. It required a software update, effective 10 June 2004. Textron SEB-34-21 (G1000 NXI) updates software 2501.03 to 2501.09 to version 2501.10, so ESP low-airspeed protection no longer engages the autopilot. Compliance is recommended at the next 100-hour or annual inspection. Check logbooks for both.

REAR DOOR AND FUEL SYSTEM CHECKS

Mandatory SEB-11-05 requires an emergency exit warning placard. It warns that flaps at 10 degrees or more may impede the cargo door. A CASA bulletin says to brief passengers on opening the door and to consider limiting flaps to 10 degrees. A fuel-flow stabilisation placard and instruction card should be in place on Continental fuel-injected 200-series airplanes. Confirm both on a pre-buy.

SPECIFICATIONS

Max Ramp Weight Lbs	3806
Max Takeoff Weight Lbs	3789
Max Landing Weight Lbs	3600
Max Useful Load Lbs	1492
Max Baggage Weight Lbs	180
Usable Fuel Gal	87
Engine Power Hp	310

PERFORMANCE

Max Speed Kts	176
Cruise Speed 75 20000ft Kts	161
Cruise Speed 75 10000ft Kts	148
Max Range 10000ft Nm	676
Climb Rate Fpm	960
Service Ceiling Ft	26000
Takeoff Ground Roll Ft	1060
Takeoff Distance 50ft Ft	1970

V-SPEEDS

Va Maneuvering Kts	125
Vno Kts	149
Vne Kts	182
Vs Flaps Up Kts	69
Vso Full Flaps Kts	58

WEIGHT & BALANCE

Max Baggage Weight Lbs	180
Max Useful Load Lbs	1492
Forward Cg Limit At 2500 Lbs Inches	33

SAFETY NOTES

- Flap positions of 10 degrees or more may impede evacuation through the rear cargo door; brief passengers on it.
- Low-airspeed ESP can engage the autopilot in LVL-LVL mode on affected G1000 NXI airplanes (software 2501.03 to 2501.09).
- Unstable fuel flow can cause power surges or complete power loss; make sure the fuel flow placards and instruction card are present.