

Cessna T206H Model Guide

Cessna T206H is a six-seat, turbocharged piston single powered by a Lycoming TIO-540-AJ1A rated 310 hp at 2,500 rpm. Standard maximum takeoff weight is 3,600 lb, and an STC supplement allows 3,789 lb. It carries 180 lb of baggage and 88 gal of usable fuel, and cruises at 164 kt at 20,000 ft.

KEY TAKEAWAYS

- Six seats and a 310 hp turbo Lycoming. Recommended TBO is 2,000 hr, so check engine time against it.
- Standard max takeoff weight is 3,600 lb. The 3,789 lb STC needs supplement AFMS 55186-5 attached to the POH.
- Payload with full fuel is listed at 815 lb, so check the loading before planning six people, full tanks and bags.
- Service bulletin SEB-27-04 recommends relocating the elevator trim stop blocks. Check the logbooks for it.

PERFORMANCE

Published at standard weight: ground roll 910 ft, 1,740 ft over a 50-ft obstacle, climb 1,050 fpm, service ceiling 27,000 ft, max level speed 178 kt at 17,000 ft. At 75% power, best economy, 20,000 ft: 164 kt for 3.5 hr at 19 gph. The 3,789 lb supplement lists 960 fpm and a 26,000 ft ceiling.

WEIGHTS AND LOADING

Standard ramp weight is 3,617 lb and takeoff and landing weight are 3,600 lb. With the STC: ramp 3,806 lb, takeoff 3,789 lb, landing 3,600 lb. Baggage limit is 180 lb. At 3,789 lb the forward CG limit is 44.1 in aft of datum (33.0 in at 2,500 lb or less) and the aft limit is 49.7 in.

WHAT TO CHECK

SEB-27-04 (Dec 11, 2018) covers T206H serials T20608001 thru T20608953. It is recommended at the next 100-hour or 12-month inspection. Production airplanes T20608954 and on have the equivalent. Confirm the log entry, and whether the 3,789 lb STC supplement is aboard if the higher weight is used.

SPECIFICATIONS

Engine Power Hp	310
Empty Weight Lbs	2274
Useful Load Lbs	1343
Fuel Capacity Gal	92
Usable Fuel Gal	88
Baggage Capacity Lbs	180
Wingspan Ft	36

PERFORMANCE

Max Level Speed Kt	178
Cruise 75pct 20000ft Kt	164
Rate Of Climb Fpm	1050
Service Ceiling Ft	27000
Takeoff Ground Roll Ft	910
Takeoff Over 50ft Ft	1740
Landing Ground Roll Ft	735
Landing Over 50ft Ft	1395

V-SPEEDS

Vx Best Angle Kt	69
Vy Best Rate Kt	89
Va Maneuvering Kt	125
Vfe Max Flap Kt	140
Vno Kt	149
Vne Kt	182
Vr Rotation Kt	55
Vs1 Stall Clean Kt	50

WEIGHT & BALANCE

Max Ramp Weight Lbs	3617
Max Takeoff Weight Lbs	3600
Max Landing Weight Lbs	3600
Stc Max Takeoff Weight Lbs	3789
Stc Max Ramp Weight Lbs	3806
Baggage Max Lbs	180
Cg Aft Limit In	49.7
Cg Forward Limit 3789 Lbs In	44.1

SAFETY NOTES

- Yellow arc is 149-182 KIAS: smooth air only. Red line is 182 KIAS. Maneuvering speed at 3789 lb is 125 KIAS.
- Best glide is 82 KIAS at 3789 lb. Altitude loss in a stall recovery may be as much as 400 feet.
- Short-field obstacle speed is 76 or 71 KIAS depending on serial number and whether MK206-34-10 or SB09-34-11 is incorporated.