CESSNA T182 T Model Guide

CESSNA T182 T is a single-engine piston Cessna from the 182 family, which registry data lists at up to 4 passengers. Its handbook lists a 235 hp Lycoming TIO-540-AK1A, a 3100 lb maximum takeoff weight, 87 gallons usable fuel and a 20000 ft service ceiling. This guide draws on the POH, service bulletins and avionics documents.

KEY TAKEAWAYS

- Handbook figures: 176 kts maximum speed, 1040 fpm sea-level climb, 20000 ft service ceiling, 775 ft takeoff ground roll.
- Max takeoff weight is 3100 lbs with a 1089 lb useful load and 87 gallons usable fuel. Check loading before filling every seat and tank.
- Optional tailcone ballast (SB02-53-01, up to 5 lbs total) helps keep the CG in limits with heavier front-cabin loads.
- Garmin GFC 500 and GFC 600 autopilot supplements and a G1000 guide cover the T182T, so confirm which avionics your aircraft has.

PERFORMANCE AND LOADING

The handbook gives a 775 ft takeoff ground roll and 1385 ft over a 50 ft obstacle. Landing takes 590 ft ground roll and 1350 ft over 50 ft. Ramp weight is 3112 lbs, takeoff 3100 lbs and landing 2950 lbs. Standard empty weight is 2023 lbs and baggage allowance is 200 lbs. Figures assume standard conditions, hard dry runways and no wind.

SERVICE BULLETINS TO CHECK

The Cessna bulletin summary lists several T/182T items: elevator rivet inspection (SB04-27-01R1), fuel strainer installation (SB04-28-02), cowl flap rivet inspection (SB04-71-01, recommended), flap actuator motor inspection (SB03-27-01), aft cabin stringer inspection (SB03-53-01), fuel line inspection (SB02-28-01R1) and engine oil pump plug inspection (SB02-71-05R1). Ask for compliance records.

AVIONICS AND UPGRADES

The G1000 Nav III guide covers 182T and T182T aircraft. FAA-approved GFC 600 and GFC 500 autopilot supplements list the T182T. A TruTrak Vizion autopilot installation appendix covers the 182E to T182T. A BRS-182 parachute installation manual also exists for the 182. Verify what is installed and that the paperwork matches.

SPECIFICATIONS

Engine Power Hp	235
Propeller Diameter In	79
Fuel Capacity Gal	92
Usable Fuel Gal	87

PERFORMANCE

Max Speed Kts	176
Rate Of Climb Fpm	1040
Service Ceiling Ft	20000
Takeoff Ground Roll Ft	775
Takeoff Distance Over 50ft Ft	1385
Landing Ground Roll Ft	590
Landing Distance Over 50ft Ft	1350

V-SPEEDS

Stall Speed Flaps Up Kts	54
Stall Speed Flaps Down Kts	49
Best Angle Climb Vx Kts	64
Best Rate Climb Vy Kts	84

WEIGHT & BALANCE

Max Ramp Weight Lbs	3112
Max Takeoff Weight Lbs	3100
Max Landing Weight Lbs	2950
Standard Empty Weight Lbs	2023
Max Useful Load Lbs	1089
Baggage Allowance Lbs	200
Max Ballast Weight Lbs	5

SAFETY NOTES

- Keep the Pilot's Operating Handbook in the airplane at all times. Check that your copy and its revisions match the airplane's serial number.
- The G1000 Terrain Proximity feature is only an aid to terrain avoidance, not a primary reference. Never use GPS altitude for vertical navigation.
- Do not fly with outdated G1000 database information; databases must be updated regularly.

AI-aggregated guide for the CESSNA T182 T · sources: Pilot's Operating Handbook (#1441) · Weight & Balance (#21933) · CESSNA RESTART AIRCRAFT SERVICE BULLETIN SUMMARY (#21968) · GFC 600 Autopilot in 182P/182Q/182R/T182/182S/182T/T182T (#21919) · AFMS – GFC 500 Autopilot in Textron 182 Series (#22008) · Garmin G1000 Cockpit Reference Guide for the Cessna Nav III (#1764) · Starting - Cessna T182T N21796 TAKEOFF LANDING - Runup (#100520) · Rev: A Vizion Install Appendix F C182E-T (#21976) · BRS-182 Installation Manual (#22011) · generated 2026-10-16 · Reference only, not for flight. Check the original documents before relying on this guide.