CESSNA 172 Skyhawk TD Model Guide

CESSNA 172 Skyhawk TD is a single-engine piston aircraft in the library. The inputs hold no TD-specific data sheet. Figures here come from the 1981 Model 172P Pilot's Operating Handbook (160 hp Avco Lycoming, fixed-pitch propeller) and a TAE 125-01 maintenance supplement for Cessna 172 installations. Confirm every figure against the TD's own manuals.

KEY TAKEAWAYS

- Figures are from the 172P handbook, not a TD manual. Verify against the airplane's own approved flight manual.
- 172P: 160 BHP at 2700 RPM, normal category takeoff weight 2400 lbs, Skyhawk useful load 993 lbs.
- 172P: service ceiling 13,000 ft, 700 fpm sea-level climb, stall 51 KCAS flaps up and 46 KCAS flaps down.
- A TAE 125-01 maintenance supplement exists for Cessna 172 installs. Ask which engine and manuals your airplane has.

LOADING AND FUEL (172P REFERENCE)

Normal category ramp weight is 2407 lbs; takeoff and landing weight is 2400 lbs. Skyhawk standard empty weight is 1414 lbs, leaving 993 lbs useful load. Baggage areas 1 and 2 together are limited to 120 lbs. Standard tanks hold 43 gallons (40 usable). Approved fuels are 100LL and 100.

PERFORMANCE (172P REFERENCE)

Sea-level climb is 700 fpm and service ceiling is 13,000 ft. Takeoff ground roll is 890 ft. Landing ground roll is 540 ft, or 1280 ft over a 50-ft obstacle. Figures assume standard atmosphere, level hard-surface runways and no wind. Individual airplanes will vary.

ENGINE PAPERWORK TO CHECK

The TAE 125-01 supplement for Cessna 172 covers FADEC, a constant-speed propeller and liquid cooling. Its contents list an engine life limit, mandatory maintenance actions and scheduled maintenance checks. Ask for logbook evidence that these are current and that the supplement is with the airplane.

SPECIFICATIONS

Rated Power Hp	160
Fuel Capacity Total Gal	43
Fuel Usable Gal	40
Long Range Tanks Usable Gal	50

PERFORMANCE

Rate Of Climb Sea Level Fpm	700
Service Ceiling Ft	13000
Takeoff Ground Roll Ft	890
Landing Ground Roll Ft	540
Stall Speed Flaps Up Kts	51
Stall Speed Flaps Down Kts	46

WEIGHT & BALANCE

Max Ramp Weight Lbs	2407
Max Takeoff Weight Lbs	2400
Max Landing Weight Lbs	2400
Standard Empty Weight Lbs	1414
Max Useful Load Lbs	993
Max Baggage Weight Lbs	120
Utility Max Takeoff Weight Lbs	2100

SAFETY NOTES

- The handbook must be carried in the airplane, and the owner must keep it current with revisions.
- In utility category, the baggage compartment and rear seat must not be occupied, and takeoff weight drops to 2100 lbs.
- The maintenance supplement says work must be done by authority-approved organizations, except the pre-flight check. Read it fully before any maintenance.

AI-aggregated guide for the CESSNA 172 Skyhawk TD · sources: PILOT'S OPERATING HANDBOOK and FAA APPROVED AIRPLANE FLIGHT MANUAL (#1021) · Supplement Airplane Maintenance Manual Cessna 172 / TAE 125-01 (#517) · generated 2026-10-18 · Reference only, not for flight. Check the original documents before relying on this guide.