

CESSNA 150G Model Guide

CESSNA 150G is a two-seat single-engine piston trainer in the Cessna 150 family. The sources hold no 150G-specific years, weights or balance data. The guide draws on the general Model 150 Owner's Manual, a flight-school checklist for a different Cessna 150, and family-level registry maximums. Confirm everything against the airframe's own papers.

KEY TAKEAWAYS

- Two-seat piston trainer. Family-wide maximums are 2 passengers, 109 kt cruise and 520 nm range. These are not CESSNA 150G figures.
- Standard wings give 22.5 gal usable fuel. Optional long range wings give 35 gal usable. Check which wings the aircraft has.
- A flight-school checklist (later-model POH, H not listed) gives Vso 48, Vy 73 and Vne 162 MPH IAS. Verify against the 150G's own manual.
- The sources have no 150G weights, years or weight and balance data. Get the aircraft's own weight and balance records.

FUEL AND SYSTEMS

Fuel comes from one tank in each wing and flows by gravity through a shutoff valve and strainer to the carburetor. The tanks cross-feed, so top them off again after each refueling. Power is a 14-volt alternator with a 12-volt battery. Flaps are electric, taking about 9 seconds to extend fully and about 6 to retract. An over-voltage light warns of alternator shutdown.

WHAT TO CHECK ON INSPECTION

Oil: do not operate with less than four quarts, and fill to six for extended flight. Drain the fuel strainer for about four seconds and look for water. Check tires and nose strut inflation, and check the static port, pitot tube, stall warning and fuel vent for stoppage. Check the propeller for nicks. At 1700 RPM, the manual allows a magneto drop of 150 RPM with 75 RPM differential. The flight-school checklist allows 125 and 50.

HANDLING SPEEDS FROM THE DOCUMENTS

The manual says to lift the nose wheel at 55 MPH and climb at 70 to 80 MPH. It gives 60 to 70 MPH on approach with flaps extended. The flight-school checklist gives rotation at 50 MPH, Vx 57, Vy 73, and landing at 71 MPH clean or 62 MPH flaps down. It lists a demonstrated crosswind of 13 MPH. All speeds are indicated.

SPECIFICATIONS

Usable Fuel Standard Gal	22.5
Unusable Fuel Standard Gal	3.5
Total Fuel Standard Gal	26
Usable Fuel Long Range Gal	35
Unusable Fuel Long Range Gal	3
Total Fuel Long Range Gal	38

PERFORMANCE

Family Max Cruise Speed Kt	109
Family Max Range Nm	520
Family Max Service Ceiling Ft	20000

SAFETY NOTES

- If the oil gage shows no pressure within 30 seconds in summer, or about twice that in very cold weather, stop the engine and investigate.
- Do not use the flashing beacon in clouds or overcast. It can cause vertigo and loss of orientation.
- Apply full carburetor heat before closing the throttle on approach. Avoid carburetor heat after starting unless icing conditions prevail.