

Cessna 175 Skylark Model Guide

The Cessna 175 Skylark is a high-wing, all-metal, four-seat single with fixed landing gear, built from 1958 to 1962 as the 175, 175A, 175B and 175C. It is essentially a Cessna 172 with a geared 175 hp Continental GO-300 engine in a redesigned cowlng. It did not prove popular and was produced for only four years.

KEY TAKEAWAYS

- Geared Continental GO-300 makes 175 hp at 3,200 rpm, against 145 hp for the Cessna 172 Skyhawk. Fuel capacity is 52 gal, about 43 usable.
- Maximum weight is 2350 lbs for the 175, 175A and 175B landplane and 2450 lbs for the 175C. Baggage limit is 120 lbs.
- Fuel management shows up in the accident reports: a 175C ran out of fuel, and a 175B owner saw fuel drawn from only one tank. Check tanks, selector and gauges.
- The family is listed at up to 118 kt cruise, 510 nm range and a 16,000 ft ceiling. Treat these as family maxima, not figures for one variant.

FUEL, ENGINE AND LOADING

Fuel is two 26 gal wing tanks, 52 gal total. Usable fuel is 43 gal on the 175, 42 gal on the 175A/B and 41.5 gal on the 175C. Minimum fuel grade is 80/87. Oil capacity is 10 qt, 3 qt of it unusable. One accident report estimated about 10 US gph, with ground speeds of 100 to 105 kt. The propeller may be fixed pitch or constant speed.

HANDLING AND LANDING

Wings-level stall speeds from the owner's manual: 60 mph flaps up, 56 mph at 20° and 51 mph at 40°. Approach speed with 40° flap is 54 mph at 1,700 lbs and 63 mph at 2,350 lbs. Landing over 50 ft at maximum weight is 1,155 ft, 590 ft of it ground roll. Adding power with flaps down gives a strong nose-up pitch. The investigator noted that go-arounds are easier with 30° flap than 40°.

WHAT TO CHECK WHEN BUYING

Confirm the exact variant (175, 175A, 175B or 175C), since weight, usable fuel and engine suffix differ. Test both fuel tanks, the selector and the gauges. Inspect the nose gear: a 175C's nose leg separated at the firewall after a rough-field landing. Tires are 6.00-6 (4 ply) on the main wheels and 5.00-5 (4 ply) on the nose wheel. Check these with the manufacturer.

SPECIFICATIONS

Engine Power Hp	175
Max Takeoff Weight Lbs	2350
Fuel Capacity Gal	52
Usable Fuel Gal	43
Max Baggage Lbs	120

PERFORMANCE

Landing Distance Over 50ft Ft	1155
Landing Ground Roll Ft	590
Fuel Burn Gph	10

V-SPEEDS

Maneuvering Speed Kts	107
Max Structural Cruising Speed Kts	122
Never Exceed Speed Kts	153
Flaps Extended Speed Kts	87

WEIGHT & BALANCE

Max Takeoff Weight Lbs	2350
Max Takeoff Weight 175c Lbs	2450
Max Baggage Lbs	120
Fuel Capacity Gal	52

SAFETY NOTES

- A 175C lost power with the left fuel gauge fluctuating to empty. The pilot concluded he had run out of fuel. Verify fuel quantity physically, not just by gauge.
- Go-around with full nose-up trim, power and flaps down caused an uncontrollable nose-up pitch in a 175B. Anticipate the pitch change and trim carefully.
- Fuel may drain from the vent if the aircraft is parked on a slope. One 175A report estimated about 5 US gallons lost this way, so re-check fuel quantity before flight.