CESSNA 182E Skylane Model Guide

The CESSNA 182E Skylane is a single-engine piston Cessna with a 230 hp Continental engine and a constant-speed propeller. Its owner's manual lists a 2800 lb gross weight, 170 mph top speed and 162 mph cruise at 75% power. The manual covers both the Model 182 and the Skylane. Much equipment that is optional on the 182 is standard on the Skylane.

KEY TAKEAWAYS

- Gross weight is 2800 lbs. The Skylane table lists about 1625 lbs empty and 120 lbs of baggage. Check the airplane's own weight and balance sheet.
- Manual figures: 170 mph top speed, 162 mph at 75% power, 980 fpm climb at sea level and an 18,900 ft service ceiling.
- Fuel is 65 gal total in standard tanks (60 usable) or 84 gal long range (79 usable). Range is 925 mi at 75% power with 79 gal, no reserve.
- Family context only: 182-series variants reach up to 174 kt and 930 nm in registry data. These are not this variant's figures.

ENGINE AND SYSTEMS

Power is 230 hp at 2600 RPM from a Continental O-470, with an 82 inch constant-speed propeller. Fuel comes from two bladder cells, one in each wing, and flows by gravity through a selector valve. Electrics are a 12-volt system with a 50-amp generator. Limits: cylinder head 460°F redline, oil pressure 30-60 psi normal.

WHAT TO CHECK WHEN INSPECTING

Look for stone damage on the outer six inches of the propeller tips, and check landing gear, tires and brakes if the airplane flew from rough fields. After outside storage, check for water in the fuel and in the airspeed lines. The manual's checks: magneto drop of 125 RPM maximum at 1700 RPM, and no ammeter discharge above 1000 RPM. The oil level should not be below nine quarts.

FLYING NOTES FROM THE MANUAL

Normal takeoff uses flaps up and 2600 RPM. 20° flaps cut ground run and distance over an obstacle by about 20 percent. Normal climb is 23 inches and 2450 RPM at 100-120 mph. Approach is 80-90 mph flaps up or 70-80 mph flaps extended. A short-field power-off approach uses 69 mph with 40° flaps.

SPECIFICATIONS

Engine Power Hp	230
Rated Rpm	2600
Propeller Diameter Inches	82
Fuel Capacity Standard Gal	65
Fuel Capacity Long Range Gal	84
Oil Capacity Qts	12

PERFORMANCE

Top Speed Mph	170
Cruise Speed 75pct Mph	162
Rate Of Climb Fpm	980
Service Ceiling Ft	18900
Takeoff Ground Run Ft	625
Takeoff Over 50ft Obstacle Ft	1205
Landing Ground Roll Ft	590
Range 75pct 79gal Mi	925

V-SPEEDS

Never Exceed Speed Mph	193
Max Structural Cruise Speed Mph	160
Maneuvering Speed Mph	128
Max Flaps Extended Speed Mph	110
Best Rate Of Climb Sea Level Mph	88
Best Angle Of Climb Mph	70
Short Field Approach Mph	69
Normal Takeoff Climb Speed Mph	90

WEIGHT & BALANCE

Max Gross Weight Lbs	2800
Empty Weight Lbs	1625
Baggage Capacity Lbs	120
Usable Fuel Standard Gal	60
Usable Fuel Long Range Gal	79

SAFETY NOTES

- Intentional spins are prohibited. The stall warning horn sounds 5 to 10 mph above the stall.
- Take off with the fuel selector on BOTH ON. Flap settings of 30° to 40° are not recommended for takeoff.
- Do not hand-crank with the ignition on BOTH, L or R, because kickback can occur. Use the START position only.

AI-aggregated guide for the CESSNA 182E Skylane · sources: Cessna 182E Skylane Owner's Manual (#21230) · generated 2026-11-24 · Reference only, not for flight. Check the original documents before relying on this guide.