

CESSNA 182S SKYLANE Model Guide

The CESSNA 182S SKYLANE is a four-seat, high-wing, single-engine piston airplane. It has a 230 hp Lycoming IO-540-AB1A5 and a constant-speed McCauley three-blade propeller. Handbook figures show a 3,100 lb maximum takeoff weight, 145 kt maximum speed at sea level and a 795 ft takeoff ground roll.

KEY TAKEAWAYS

- Seats four, with a 200 lb baggage allowance and about 1,145 lb useful load, so weight and balance needs care.
- Handbook cruise is 140 kt at 80% power at 6,000 ft. Range is 820 NM at 75% power, or 915 NM in the brochure.
- Short-field capable: 795 ft ground roll and 1,514 ft over a 50 ft obstacle, per the handbook.
- Fuel is 92 gal total, 88 gal usable. Stall speed is 54 KCAS flaps up and 49 KCAS flaps down.

WEIGHTS AND LOADING

The handbook lists maximum ramp weight 3,110 lb, takeoff 3,100 lb and landing 2,950 lb. It gives standard empty weight as 1,925 lb with a maximum useful load of 1,185 lb. The brochure shows 1,965 lb empty and 1,145 lb useful load. Baggage allowance is 200 lb. Always use the weight and balance of the specific airplane.

WHAT TO INSPECT

A Cessna Flyer Association article on 182s (focused on older Continental-powered models) advises checking wingtip heights, skin wrinkling and signs of a wing strike. Fuel stains above the door suggest a leaking fuel bladder. Check the 209 bulkhead for cracks; the repair kit costs over \$7,000. AD 72-07-09 requires a vertical stabilizer spar check every 1,000 hours.

EXAMPLE LISTING

One 2000-model listing (N965CW) asks \$299,900. It shows 3,090 airframe hours, 1,000 engine hours since factory remanufacture and 400 prop hours since overhaul. It notes complete logs, minor damage history and a September 2023 annual. Specifications are subject to verification on inspection.

SPECIFICATIONS

Engine Hp	230
Engine Model	Lycoming IO-540-AB1A5
Propeller	McCauley 3-blade
Fuel Capacity Gal	92
Usable Fuel Gal	88
Wingspan Ft	36
Length Ft	29
Seats	4

PERFORMANCE

Max Speed Kts	145
Cruise Speed Kts	140
Range Nm	915
Rate Of Climb Fpm	924
Service Ceiling Ft	18100
Takeoff Ground Roll Ft	795
Takeoff Over 50ft Ft	1514
Landing Over 50ft Ft	1350

V-SPEEDS

Vne Kts	165
Vno Kts	125
Vfe Kts	100
Best Glide Speed Kts	70

WEIGHT & BALANCE

Max Ramp Weight Lbs	3110
Max Takeoff Weight Lbs	3100
Max Landing Weight Lbs	2950
Empty Weight Lbs	1965
Useful Load Lbs	1145
Baggage Allowance Lbs	200

SAFETY NOTES

- Maximum demonstrated crosswind in the pilot's checklist is 15 knots.
- The FAA Safety Team says the Skylane needs a high-performance endorsement and careful engine temperature management.
- Treat the propeller as if the ignition were on when switching on the master, using external power or pulling the prop by hand.