

CESSNA 182D Skylane Model Guide

The CESSNA 182D Skylane is a single-engine piston Skylane with a 230 hp Continental O-470 and a McCauley 2-blade propeller. The library lists 120 kt cruise, 600 nm range and 2550 lb max takeoff weight. The 182 family carries up to 4 passengers, but the library has no seat count for this variant.

KEY TAKEAWAYS

- Listed power: 230 hp Continental O-470 with a 2-blade McCauley prop; cruise 120 kt at about 12 gph.
- Listed weights: 1550 lb empty, 1000 lb useful load, 2550 lb max takeoff, 200 lb baggage allowance.
- Listed fuel capacity is 50 gal, with a 600 nm range and an 18000 ft service ceiling.
- Later 182s have different limits (e.g. 3100 lb MTOW). Confirm any checklist or figure matches the 182D.

WHAT IT CARRIES AND HOW IT PERFORMS

Library figures for the 182D: 1550 lb empty weight, 1000 lb useful load and 2550 lb max takeoff weight. Takeoff roll is 1200 ft, or 1600 ft over a 50 ft obstacle. Landing roll is 800 ft, or 1200 ft over 50 ft. Climb is 730 fpm. Max crosswind is 15 kt.

PRE-BUY AND PREFLIGHT CHECKS

One club's C-182 preflight checklist covers the items worth inspecting. Check fuel sumps and the strainer for water and sediment. Check the oleo strut (minimum 3 inches), flap rollers and tracks, and the prop for nicks and leaks. Check the oil quantity and the stall warning. That checklist gives oil as 10 to 12 qts; confirm the 182D figure in its own POH.

MIXED-VARIANT PAPERWORK

The documents supplied cover later Cessna 182s, not specifically the 182D. One Skylane checklist lists a 3100 lb max takeoff weight and a 175 kt Vne. The library lists 2550 lb and 160 kt for the 182D. Use the 182D's own POH and weight-and-balance records, and do not mix figures between variants.

SPECIFICATIONS

Engine Hp	230
Cruise Speed Kts	120
Max Speed Kts	140
Range Nm	600
Fuel Capacity Gal	50
Rate Of Climb Fpm	730
Service Ceiling Ft	18000
Max Takeoff Weight Lbs	2550

PERFORMANCE

Takeoff Distance Ft	1200
Takeoff Over 50ft Ft	1600
Landing Distance Ft	800
Landing Over 50ft Ft	1200
Fuel Burn Gph	12
Max Crosswind Kts	15
Best Glide Speed Kts	70
Stall Speed Clean Kts	60

V-SPEEDS

Vs1 Kts	60
Vr Kts	65
Vx Kts	70
Vy Kts	75
Vfe Kts	100
Va Kts	105
Vno Kts	125
Vne Kts	160

WEIGHT & BALANCE

Empty Weight Lbs	1550
Useful Load Lbs	1000
Max Takeoff Weight Lbs	2550
Max Ramp Weight Lbs	2600
Max Landing Weight Lbs	2550
Baggage Allowance Lbs	200
Cg Forward Inches	34
Cg Aft Inches	40

SAFETY NOTES

- Carb ice: with an unexplained manifold pressure drop, go full throttle and carb heat ON, then adjust throttle, mixture and carb heat.
- Engine failure: a generic C-182 sheet gives 75 kt flaps up and 70 kt flaps down. The 182D library best glide speed is 70 kt.
- Electrical fire: master OFF, avionics OFF, vents closed, extinguisher, then land. Check the extinguisher gauge on preflight.