

CESSNA 182Q SKYLANE Model Guide

The CESSNA 182Q SKYLANE is a single-engine piston Cessna with a 230 hp Teledyne Continental O-470-U and a McCauley constant-speed propeller. The handbook lists 144 kt cruise, 880 NM range, 2,950 lb max takeoff weight and 1,260 lb useful load.

KEY TAKEAWAYS

- Handbook figures: 148 kt max speed, 144 kt cruise at 75% power at 8,000 ft, 1,010 fpm climb, 16,500 ft service ceiling.
- Useful load is 1,260 lb on 1,700 lb empty weight, with 200 lb of baggage allowed. Max takeoff weight is 2,950 lb.
- Takeoff over a 50 ft obstacle needs 1,350 ft, and landing over 50 ft also needs 1,350 ft.
- Confirm fuel capacity and any engine or propeller conversion before you buy. Handbooks and listings differ.

CHECK WHICH FUEL SETUP THE AIRPLANE HAS

The 1979 handbook lists 92 gal total fuel and 88 gal usable, with 880 NM range at 75% power at 8,000 ft. The 1977 handbook lists 56 and 75 gal usable options, with 520 NM and 735 NM at 75% power. Confirm which tanks the airplane has.

MODIFICATIONS AND STCS

Some 182Qs are converted. One 1979 listing has a 300 hp Continental IO-550, 3,100 lb gross weight and 1,198.8 lb useful load. An EASA STC covers an MT-Propeller on IO-550-D 182Qs, and a Robertson STOL supplement exists under STC SA1382WE. Verify the paperwork and weight and balance.

MAINTENANCE RECORDS TO REVIEW

The 1977-1986 service manual carries a temporary revision on inspecting cracks at the trailing edge of corrugated-skin control surfaces (Service Bulletin SEB99-18). It also adds a fuel quantity indicating system test. Ask for logbook proof. Oil capacity is 12 qts, and the preflight checklist reads 9-12 qts.

SPECIFICATIONS

Engine Hp	230
Fuel Capacity Gal	92
Wingspan Ft	36
Length Ft	28
Height Ft	9.25
Empty Weight Lbs	1700
Max Takeoff Weight Lbs	2950

PERFORMANCE

Max Speed Kts	148
Cruise Speed Kts	144
Range Nm	880
Rate Of Climb Fpm	1010
Service Ceiling Ft	16500
Takeoff Distance Ft	705
Landing Distance Ft	590
Fuel Burn Gph	12

V-SPEEDS

Vne Kts	179
Vno Kts	143
Vfe Kts	140
Va Kts	111
Vy Kts	70
Vx Kts	65
Stall Speed Clean Kts	56
Stall Speed Landing Kts	50

WEIGHT & BALANCE

Max Ramp Weight Lbs	2960
Max Takeoff Weight Lbs	2950
Max Landing Weight Lbs	2950
Empty Weight Lbs	1700
Useful Load Lbs	1260
Baggage Allowance Lbs	200
Cg Range Inches	33.0 to 48.5

SAFETY NOTES

- An accident report on a 182Q (G-PLÉE) describes engine power loss on final near 0°C with visible moisture. The pilot suspected carburetor icing, and no mechanical cause was found.
- The handbook lists max ramp weight as 2,960 lb and max takeoff and landing weight as 2,950 lb. Stay within these limits unless an approved STC raises them.
- The checklist lists best glide at 70 kts. Practise the engine-failure procedure, including carburetor heat and fuel selector checks.