

CESSNA TURBO 182T SKYLANE Model Guide

The CESSNA TURBO 182T SKYLANE is a single-engine piston airplane with a 235 hp IO-540-U4A5 engine and a McCauley 3-blade propeller. Listed figures include a 2550 lbs maximum takeoff weight, 980 lbs useful load, 50 gal of fuel, and 120 kts cruise at about 12 gph. The source documents are training checklists and a standardization manual, not the POH.

KEY TAKEAWAYS

- Useful load is 980 lbs against a 2550 lbs maximum takeoff weight. Baggage allowance is 200 lbs.
- Cruise is 120 kts at about 12 gph from 50 gal of fuel. Listed range is 800 nm.
- Takeoff is 1500 ft ground roll and 2500 ft over a 50 ft obstacle. Landing is 1200 ft and 2000 ft over 50 ft.
- Spins are not authorized in the Skylane, per the standardization manual.

WHAT TO CHECK ON PREFLIGHT

The checklist has you drain 5 fuel sumps on each wing and 3 at the nose. Check the fuel tank vents and stall warning opening for blockage. Check oil quantity (5-9 quarts), air inlets and filter, nose wheel, and inspection dates. Confirm weight and CG are within limits.

ENGINE HANDLING

The pre-takeoff magneto check allows a 125 max drop and a 50 difference. Open the cowl flaps if CHT approaches 400°. Do not crank the starter more than 10 seconds, then allow 20 seconds to cool. Set the mixture by EGT after any altitude change of 2,000' or more.

TAKEOFF AND LANDING SPEEDS

Normal takeoff: rotate at 60 KIAS and climb at 80 KIAS. Short field: flaps 20 and lift off at 49 KIAS. Final approach is 65 KIAS with flaps down, or 60 KIAS for a short field landing. The listed maximum crosswind is 20 kts.

SPECIFICATIONS

Engine Hp	235
Wingspan Ft	36
Length Ft	29
Height Ft	8
Fuel Capacity Gal	50
Empty Weight Lbs	1570
Max Takeoff Weight Lbs	2550
Service Ceiling Ft	18000

PERFORMANCE

Cruise Speed Kts	120
Max Speed Kts	145
Range Nm	800
Rate Of Climb Fpm	730
Fuel Burn Gph	12
Takeoff Distance Ft	1500
Landing Distance Ft	1200
Max Crosswind Kts	20

V-SPEEDS

Vso Kts	41
Vs1 Kts	51
Vx Kts	65
Vy Kts	82
Vfe Full Kts	100
Vno Kts	140
Vne Kts	175
Vref Kts	65

WEIGHT & BALANCE

Max Takeoff Weight Lbs	2550
Max Landing Weight Lbs	2550
Max Ramp Weight Lbs	2550
Basic Empty Weight Lbs	1570
Useful Load Lbs	980
Baggage Allowance Lbs	200

SAFETY NOTES

- Engine failure after takeoff: 75 KIAS flaps up, 70 KIAS flaps down, and land straight ahead.
- Never perform cross-control or accelerated stalls with flaps extended.
- These documents are for training only. Use the approved POH/AFM for limits and speeds.