

# Cessna T182T Skylane

## Specifications

Powerplant	Textron Lycoming TIO-540-AK1A, 235 hp @ 2,400 rpm
Recommended TBO	2,000 hr
Propeller	McCauley, 3-blade, constant speed
Length	29 ft
Height	9 ft 4 in
Wingspan	36 ft
Wing area	174 sq ft
Wing loading	17.8 lb/sq ft
Power loading	13.2 lb/hp
Seats	4
Cabin length	11 ft 2 in
Cabin width	42 in
Cabin height	48.5 in
Empty weight	2,017 lb
Empty weight, as tested	2,056 lb
Maximum ramp weight	3,112 lb
Maximum gross weight	3,100 lb
Useful load	1,095 lb
Useful load, as tested	1,056 lb
Payload w/full fuel	573 lb
Payload w/full fuel, as tested	534 lb
Maximum takeoff weight	3,100 lb
Maximum landing weight	2,950 lb
Fuel capacity, std	92 gal (87 gal usable) 552 lb (522 lb usable)
Oil capacity	9 qt
Baggage capacity	200 lb

## Performance

Takeoff distance, ground roll	775 ft
Takeoff distance over 50-ft obstacle	1,385 ft
Max demonstrated crosswind component	15 kt
Rate of climb, sea level	1,040 fpm

Cruise speed/range w/45-min rsv, std fuel (fuel consumption), 12,500 ft @ 88% power, best economy	158 kt/594 nm (17.2 gph)
Maximum operating altitude	20,000 ft
Landing distance over 50-ft obstacle	1,350 ft
Landing distance, ground roll	590 ft

**Limiting and Recommended Airspeeds**

V <sub>X</sub> (best angle of climb)	58 KIAS
V <sub>Y</sub> (best rate of climb)	80 KIAS
V <sub>A</sub> (design maneuvering)	110 KIAS
V <sub>FE</sub> (max flap extended)	140 KIAS
V <sub>NO</sub> (max structural cruising)	140 KIAS
V <sub>NE</sub> (never exceed)	175 KIAS
V <sub>R</sub> (rotation)	55 KIAS
V <sub>S1</sub> (stall, clean)	42 KIAS
V <sub>SO</sub> (stall, in landing configuration)	35 KIAS