

# Skylane. Specification & Description



## Performance

### Conditions

All information herein applies to the Skylaner (Model 182T).

The Skylaner aircraft is an all-metal, single-engine piston, high-wing monoplane with a four-person seating capacity including a crew of one or two. Suitable allowance for luggage is provided.

The Model 182T is certified to the requirements of U.S. FAA Federal Aviation Regulation Part 23 through amendment 23-6, including day, night, VFR and IFR.

	English	Metric
Cruise * 55% power at 10,000 ft range time	930nm 7.60 hr	(1,722 km)
Cruise * 80% power at 7,000 ft range time	773 nm 5.4 hr	(1,432 km)
Engine: Textron Lycoming IO-540-AB1A5 230 BHP at 2,400 RPM		
Landing Performance		
Ground roll	590 ft	(180 m)
Total distance over 50 ft obstacle	1,350 ft	(411 m)
Power Loading	13.5 lbs/hp	(6.1 kg/hp)
Propeller: 3-Bladed Constant Speed Diameter	79 in	(2.01 m)
Rate of Climb at Sea Level	924 fpm	(282 mpm)
Service Ceiling	18,100 ft	(5,517 m)
Speed		
Maximum at sea level	150 kts	(276 kph)
Cruise, 80% power at 7,000 ft	145 kts	(268 kph)
Stall Speed, CAS		
Flaps up, power off	54 knots	(100 kph)
Flaps down, power off	49 knots	(91 kph)
Takeoff Performance		
Ground roll	795 ft	(242 m)
Total distance over 50 ft obstacle	1,514 ft	(461 m)
Wing Loading	17.8 lbs/sq ft	(86.9kg/sqm)