

PERFORMANCE - SPECIFICATIONS

***SPEED:**

Maximum at Sea Level	126 KNOTS
Cruise, 75% Power at 8500 Feet.....	124 KNOTS

CRUISE: Recommended lean mixture with fuel allowance for engine start, taxi, takeoff, climb and 45 minutes reserve.

75% Power at 8500 Feet	Range - 518 NM
53 Gallons Usable Fuel.....	Time - 4.26 HRS

Range at 10,000 Feet, 45% Power	Range - 638 NM
53 Gallons Usable Fuel.....	Time - 6.72 HRS

RATE-OF-CLIMB AT SEA LEVEL 730 FPM

SERVICE CEILING 14,000 FEET

TAKEOFF PERFORMANCE:

Ground Roll	960 FEET
Total Distance Over 50 Foot Obstacle.....	1630 FEET

LANDING PERFORMANCE:

Ground Roll	575 FEET
Total Distance Over 50 Foot Obstacle.....	1335 FEET

STALL SPEED:

Flaps Up, Power Off	53 KCAS
Flaps Down, Power Off	48 KCAS

MAXIMUM WEIGHT:

Ramp	2558 POUNDS
Takeoff	2550 POUNDS
Landing	2550 POUNDS

STANDARD EMPTY WEIGHT 1663 POUNDS

MAXIMUM USEFUL LOAD 895 POUNDS

BAGGAGE ALLOWANCE 120 POUNDS

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PERFORMANCE - SPECIFICATIONS (Continued)

WING LOADING: Lbs/Sq. Ft. 14.7

POWER LOADING: Lbs/HP 14.2

FUEL CAPACITY 56 GALLONS

OIL CAPACITY 8 QUARTS

ENGINE: Textron Lycoming IO-360-L2A
180 BHP at 2700 RPM

PROPELLER: Fixed Pitch, Diameter 76 INCHES

NOTE

*Speed performance is shown for an airplane equipped with speed fairings which increase the speeds by approximately 2 knots. There is a corresponding difference in range, while all other performance figures are unchanged when speed fairings are installed.

The above performance figures are based on airplane weights at 2550 pounds, standard atmospheric conditions, level, hard-surfaced dry runways and no wind. They are calculated values derived from flight tests conducted by Cessna Aircraft Company under carefully documented conditions and will vary with individual airplanes and numerous factors affecting flight performance.

AIRSPEEDS

AIRSPEEDS FOR EMERGENCY OPERATION

Engine Failure After Takeoff:	
Wing Flaps Up	70 KIAS
Wing Flaps Down	65 KIAS
Maneuvering Speed:	
2550 Lbs	105 KIAS
2200 Lbs	98 KIAS
1900 Lbs	90 KIAS
Maximum Glide	68 KIAS
Precautionary Landing With Engine Power	65 KIAS
Landing Without Engine Power:	
Wing Flaps Up	70 KIAS
Wing Flaps Down	65 KIAS

AIRSPEEDS FOR NORMAL OPERATION

Unless otherwise noted, the following speeds are based on a maximum weight of 2550 pounds and may be used for any lesser weight.

Takeoff:	
Normal Climb Out	75-85 KIAS
Short Field Takeoff, Flaps 10°, Speed at 50 Feet	56 KIAS
Enroute Climb, Flaps Up:	
Normal, Sea Level	75-85 KIAS
Normal, 10,000 Feet	70-80 KIAS
Best Rate-of-Climb, Sea Level	74 KIAS
Best Rate-of-Climb, 10,000 Feet	72 KIAS
Best Angle-of-Climb, Sea Level	62 KIAS
Best Angle-of-Climb, 10,000 Feet	67 KIAS
Landing Approach:	
Normal Approach, Flaps Up	65-75 KIAS
Normal Approach, Flaps 30°	60-70 KIAS
Short Field Approach, Flaps 30°	61 KIAS
Balked Landing:	
Maximum Power, Flaps 20°	60 KIAS
Maximum Recommended Turbulent Air Penetration Speed:	
2550 Lbs	105 KIAS
2200 Lbs	98 KIAS
1900 Lbs	90 KIAS
Maximum Demonstrated Crosswind Velocity:	
Takeoff or Landing	15 KNOTS