

## 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.

# AIR SPEEDS

## AIR SPEEDS 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

## AIR SPEEDS 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