

PERFORMANCE - SPECIFICATIONS

SPEED:

Maximum at Sea Level	125 KNOTS
Cruise, 75% Power at 8000 Ft	122 KNOTS

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

75% Power at 8000 Ft	Range	485 NM
40 Gallons Usable Fuel	Time	4.1 HRS
75% Power at 8000 Ft	Range	630 NM
50 Gallons Usable Fuel	Time	5.3 HRS
Maximum Range at 10,000 Ft	Range	575 NM
40 Gallons Usable Fuel	Time	5.7 HRS
Maximum Range at 10,000 Ft	Range	750 NM
50 Gallons Usable Fuel	Time	7.4 HRS

RATE OF CLIMB AT SEA LEVEL	770 FPM
SERVICE CEILING	14,200 FT

TAKEOFF PERFORMANCE:

Ground Roll	805 FT
Total Distance Over 50-Ft Obstacle	1440 FT

LANDING PERFORMANCE:

Ground Roll	520 FT
Total Distance Over 50-Ft Obstacle	1250 FT

STALL SPEED (CAS):

Flaps Up, Power Off	50 KNOTS
Flaps Down, Power Off	44 KNOTS

MAXIMUM WEIGHT	2300 LBS
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STANDARD EMPTY WEIGHT:

Skyhawk	1393 LBS
Skyhawk II	1419 LBS

MAXIMUM USEFUL LOAD:

Skyhawk	907 LBS
Skyhawk II	881 LBS

BAGGAGE ALLOWANCE	120 LBS
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WING LOADING: Pounds/Sq Ft	13.2
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POWER LOADING: Pounds/HP	14.4
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FUEL CAPACITY: Total

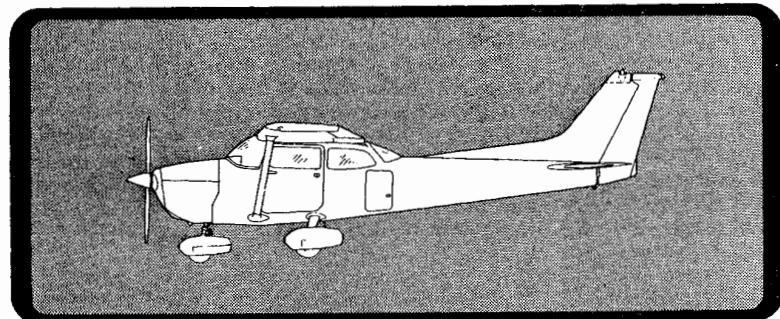
Standard Tanks	43 GAL.
Long Range Tanks	54 GAL.

OIL CAPACITY	6 QTS
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ENGINE: Avco Lycoming	O-320-H2AD
160 BHP at 2700 RPM	

PROPELLER: Fixed Pitch, Diameter	75 IN.
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PILOT'S OPERATING HANDBOOK



SKYHAWK

1978 MODEL 172N

Serial No. _____

Registration No. _____

THIS HANDBOOK INCLUDES THE MATERIAL REQUIRED TO BE FURNISHED TO THE PILOT BY CAR PART 3

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CESSNA AIRCRAFT COMPANY

WICHITA, KANSAS, USA

AIRSPEEDS FOR EMERGENCY OPERATION

Engine Failure After Takeoff:	
Wing Flaps Up	65 KIAS
Wing Flaps Down	60 KIAS
Maneuvering Speed:	
2300 Lbs	97 KIAS
1950 Lbs	89 KIAS
1600 Lbs	80 KIAS
Maximum Glide:	
2300 Lbs	65 KIAS
Precautionary Landing With Engine Power	60 KIAS
Landing Without Engine Power:	
Wing Flaps Up	65 KIAS
Wing Flaps Down	60 KIAS

SPEEDS FOR NORMAL OPERATION

Unless otherwise noted, the following speeds are based on a maximum weight of 2300 pounds and may be used for any lesser weight. However, to achieve the performance specified in Section 5 for takeoff distance, the speed appropriate to the particular weight must be used.

Takeoff, Flaps Up:	
Normal Climb Out	70-80 KIAS
Short Field Takeoff, Flaps Up, Speed at 50 Feet	59 KIAS
Enroute Climb, Flaps Up:	
Normal, Sea Level	75-85 KIAS
Normal, 10,000 Feet	70-80 KIAS
Best Rate of Climb, Sea Level	73 KIAS
Best Rate of Climb, 10,000 Feet	68 KIAS
Best Angle of Climb, Sea Level	59 KIAS
Best Angle of Climb, 10,000 Feet	61 KIAS
Landing Approach:	
Normal Approach, Flaps Up	60-70 KIAS
Normal Approach, Flaps 40°	55-65 KIAS
Short Field Approach, Flaps 40°	60 KIAS
Balked Landing:	
Maximum Power, Flaps 20°	55 KIAS
Maximum Recommended Turbulent Air Penetration Speed:	
2300 Lbs	97 KIAS
1950 Lbs	89 KIAS
1600 Lbs	80 KIAS
Maximum Demonstrated Crosswind Velocity:	
Takeoff or Landing	15 KNOTS