



INTRODUCTION

This handbook includes the material required to be furnished to the pilot by CAR Part 3. Section 1 provides basic data and information of general interest.

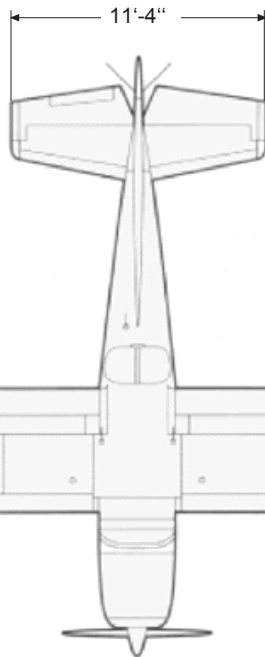
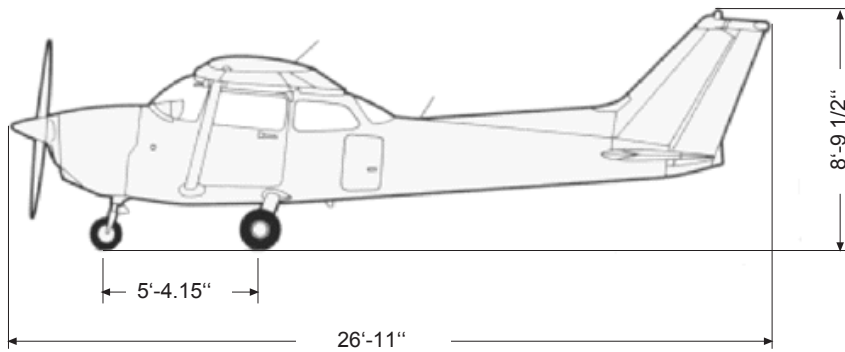
PERFORMANCE-SPECIFICATIONS

SPEED:			
Maximum at sea level		123 Knots	
Cruise, 75% power at 8000 ft		120 Knots	
CRUISE: Recommended lean mixture with fuel allowance for engine start, takeoff, climb and 45 minutes reserve			
75% power at 8000 ft		440 NM	
40 gallons usable fuel		3.8 HRS	
75% power at 8000 ft		585 NM	
50 gallons usable fuel		5.0 HRS	
75% power at 8000 ft		755 NM	
62 gallons usable fuel		6.4 HRS	
Maximum Range at 10000 ft		520 NM	
40 gallons usable fuel		5.6 HRS	
Maximum Range at 10000 ft		680 NM	
50 gallons usable fuel		7.4 HRS	
Maximum Range at 10000 ft		875 NM	
62 gallons usable fuel		9.4 HRS	
RATE OF CLIMB AT SEA LEVEL		700 FPM	
SERVICE CEILING		13000 FT	
TAKEOFF PERFORMANCE			
Ground Roll		890 FT	
Total Distance Over 50-ft Obstacle		1625 FT	
LANDING PERFORMANCE (KCAS)			
Ground Roll		540 FT	
Total Distance Over 50-ft Obstacle		1280 FT	
STALL SPEEDS (KCAS)			
Flaps Up, Power Off		51 Knots	
Flaps Down, Power Off		46 Knots	
MAXIMUM WEIGHT			
Ramp		2407 LBS	
Takeoff or Landing		2400 LBS	
STANDARD EMPTY WEIGHT			
Skyhawk		1414 LBS	
Skyhawk II		1440 LBS	
MAXIMUM USEFUL LOAD			
Skyhawk		993 LBS	
Skyhawk II		967 LBS	
BAGGAGE ALLOWANCE		120 LBS	
WING LOADING: Pounds/Sq Ft		13.8	
POWER LOADING: Pounds/HP		15.0	
FUEL CAPACITY			
Standard Tanks		43 GAL	
Long Range Tanks		54 GAL	
Integral Tanks		68 GAL	
PROPELLER: Fixed Pitch, Diameter		75 IN	

NOTE:
The performance figures are based on the indicated weights, standard atmospheric conditions, level, hard-surface, dry runways and no wind. They are calculated values derived from flight tests conducted by the Cessna Aircraft Company under carefully documented conditions and will vary with individual airplanes and numerous factors affecting flight performance.

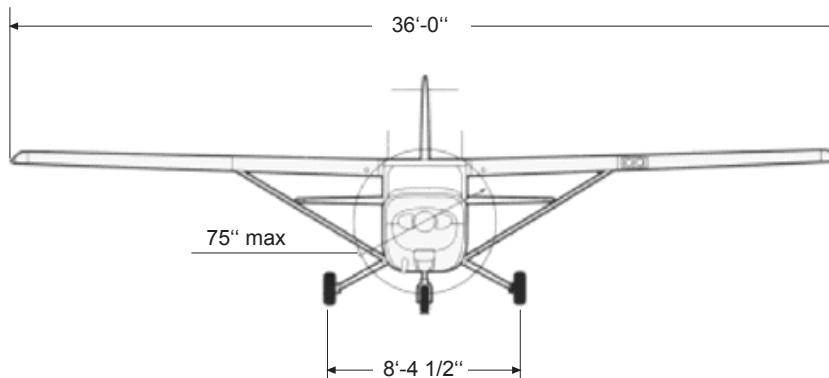


DIMENSIONS



NOTES:

1. Wing span shown with strobe lights installed.
2. Maximum height shown with nose gear depressed, all tires and nose strut properly inflated and flashing beacon installed
3. Proper ground clearance is 11 3/4"
4. Wing area is 174 square feet
5. Minimum turning radius is 25'-5 1/2"





DESCRIPTIVE DATA

ENGINE

- Number of engines: 1
- Engine Manufacturer: Avco Lycoming
- Engine Model Number: O-320-D2J
- Engine Type: Normally aspirated, direct-drive, air-cooled, horizontally opposed, carburetor equipped, four-cylinder engine with 319.8 cu.in. displacement
- Horsepower Rating and Engine Speed: 160 rated HP at 2700 RPM

PROPELLER

- Propeller Manufacturer: McCauley Accessory Division.
- Propeller Model Number: 1C160/DTM7557
- Number of Blades: 2
- Propeller Diameter, Maximum: 75 inches, Minimum: 74 inches.
- Propeller Type: Fixed Pitch

FUEL

Approved Fuel Grades:

- 100LL Grade Aviation Fuel (Blue)
- 100 (Formerly 100/130) Grade Aviation Fuel (Green)

Fuel Capacity:

Standard Tanks:

- Total Capacity: 43 gallons
- Total Capacity Each Tank: 21.5 gallons
- Total Usable: 40 gallons.

Long Range Tanks:

- Total Capacity: 54 gallons
- Total Capacity Each Tank: 27 gallons
- Total Usable: 50 gallons.

Integral Tanks:

- Total Capacity: 68 gallons
- Total Capacity Each Tank: 34 gallons
- Total Usable: 62 gallons.

NOTE:

Isopropyl alcohol or ethylene glycol monomethyl ether may be added to the fuel supply.

NOTE:

To ensure maximum fuel capacity when refueling and minimize cross-feeding when parked on a sloping surface, place the fuel selector valve in either LEFT or RIGHT position.

OIL

Oil Grade (Specifications): MIL-L-6082 Aviation Grade Straight Mineral Oil: Use to replenish supply during first 25 hours and at the first 25-hour oil change. Continue to use until

a total of 50 hours has accumulated or oil consumption has stabilized. MIL-L-22851 Ashless Dispersant Oil: This oil must be used after first 50 hours or oil consumption has stabilized.



MAXIMUM CERTIFICATED WEIGHT

-Ramp
Normal Category: 2407 lbs
Utility Category: 2107 lbs

-Takeoff
Normal Category: 2400 lbs
Utility Category: 2100 lbs

-Landing
Normal Category: 2400 lbs
Utility Category: 2100 lbs

NOTE:
The maximum combined weight capacity for baggage areas 1 and 2 is 120 lbs

STANDARD AIRPLANE WEIGHT

-Standard empty weight:
Skyhawk: 1414 lbs
Skyhawk II: 1440 lbs

-Maximum useful load:
Skyhawk
Normal Category: 993 lbs
Utility Category: 693 lbs

Skyhawk II
Normal Category: 967 lbs
Utility Category: 667 lbs