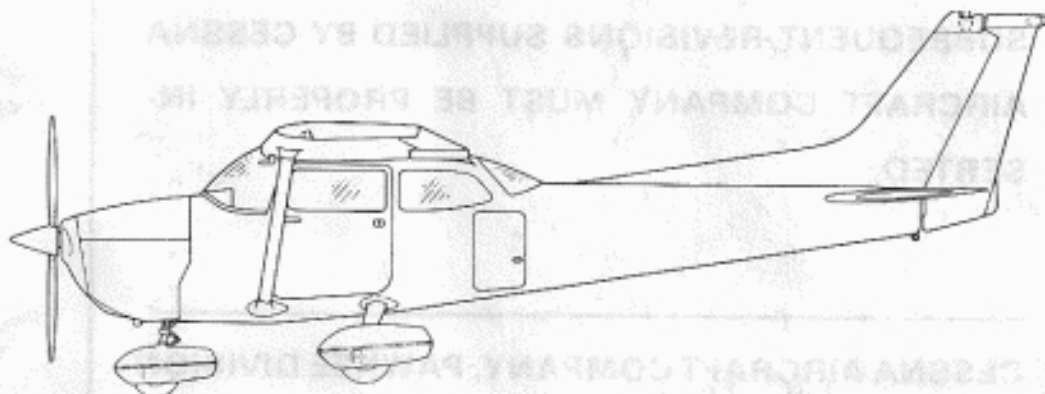


PILOT'S OPERATING HANDBOOK and FAA APPROVED AIRPLANE FLIGHT MANUAL



CESSNA AIRCRAFT COMPANY

1979 MODEL 172N

THIS DOCUMENT MUST BE
CARRIED IN THE AIRPLANE
AT ALL TIMES.

Serial No. _____

Registration No. _____

THIS HANDBOOK INCLUDES THE MATERIAL REQUIRED TO BE
FURNISHED TO THE PILOT BY CAR PART 3 AND CONSTITUTES
THE FAA APPROVED AIRPLANE FLIGHT MANUAL.

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CESSNA AIRCRAFT COMPANY
WICHITA, KANSAS, USA

D1138-13PH-RPC-200-6/90

1 JULY 1978

CONGRATULATIONS

Welcome to the ranks of Cessna owners! Your Cessna has been designed and constructed to give you the most in performance, economy, and comfort. It is our desire that you will find flying it, either for business or pleasure, a pleasant and profitable experience.

This Pilot's Operating Handbook has been prepared as a guide to help you get the most pleasure and utility from your airplane. It contains information about your Cessna's equipment, operating procedures, and performance; and suggestions for its servicing and care. We urge you to read it from cover to cover, and to refer to it frequently.

Our interest in your flying pleasure has not ceased with your purchase of a Cessna. World-wide, the Cessna Dealer Organization backed by the Cessna Customer Services Department stands ready to serve you. The following services are offered by most Cessna Dealers:

- THE CESSNA WARRANTY, which provides coverage for parts and labor, is available at Cessna Dealers worldwide. Specific benefits and provisions of warranty, plus other important benefits for you, are contained in your Customer Care Program book, supplied with your airplane. Warranty service is available to you at authorized Cessna Dealers throughout the world upon presentation of your Customer Care Card which establishes your eligibility under the warranty.
- FACTORY TRAINED PERSONNEL to provide you with courteous expert service.
- FACTORY APPROVED SERVICE EQUIPMENT to provide you efficient and accurate workmanship.
- A STOCK OF GENUINE CESSNA SERVICE PARTS on hand when you need them.
- THE LATEST AUTHORITATIVE INFORMATION FOR SERVICING CESSNA AIRPLANES, since Cessna Dealers have all of the Service Manuals and Parts Catalogs, kept current by Service Letters and Service News Letters, published by Cessna Aircraft Company.

We urge all Cessna owners to use the Cessna Dealer Organization to the fullest.

A current Cessna Dealer Directory accompanies your new airplane. The Directory is revised frequently, and a current copy can be obtained from your Cessna Dealer. Make your Directory one of your cross-country flight planning aids; a warm welcome awaits you at every Cessna Dealer.

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:

Ramp	2307 LBS
Takeoff or Landing	2300 LBS

STANDARD EMPTY WEIGHT:

Skyhawk	1397 LBS
Skyhawk II	1424 LBS

MAXIMUM USEFUL LOAD:

Skyhawk	910 LBS
Skyhawk II	883 LBS

BAGGAGE ALLOWANCE

	120 LBS
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WING LOADING: Pounds/Sq Ft

	13.2
--	------

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
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160 BHP at 2700 RPM

PROPELLER: Fixed Pitch, Diameter

	75 IN.
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COVERAGE

The Pilot's Operating Handbook in the airplane at the time of delivery from Cessna Aircraft Company contains information applicable to the 1979 Model 172N airplane designated by the serial number and registration number shown on the Title Page of this handbook.

REVISIONS

Changes and/or additions to this handbook will be covered by revisions published by Cessna Aircraft Company. These revisions are distributed to all Cessna Dealers and to owners of U. S. Registered aircraft according to FAA records at the time of revision issuance.

Revisions should be examined immediately upon receipt and incorporated in this handbook.

NOTE

It is the responsibility of the owner to maintain this handbook in a current status when it is being used for operational purposes.

Owners should contact their Cessna Dealer whenever the revision status of their handbook is in question.

A revision bar will extend the full length of new or revised text and/or illustrations added on new or presently existing pages. This bar will be located adjacent to the applicable revised area on the outer margin of the page.

All revised pages will carry the revision number and date on the applicable page.

The following Log of Effective Pages provides the dates of issue for original and revised pages, and a listing of all pages in the handbook. Pages affected by the current revision are indicated by an asterisk (*) preceding the pages listed.

LOG OF EFFECTIVE PAGES

Dates of issue for original and revised pages are:

Original 1 July 1978

Page	Date	Page	Date
Title	1 July 1978	6-1	1 July 1978
Assignment Record	1 July 1978	6-2 Blank	1 July 1978
i thru iv	1 July 1978	6-3 thru 6-23	1 July 1978
1-1 thru 1-9	1 July 1978	6-24 Blank	1 July 1978
1-10 Blank	1 July 1978	7-1 thru 7-38	1 July 1978
2-1	1 July 1978	8-1	1 July 1978
2-2 Blank	1 July 1978	8-2 Blank	1 July 1978
2-3 thru 2-12	1 July 1978	8-3 thru 8-14	1 July 1978
3-1 thru 3-9	1 July 1978	9-1 thru 9-2	1 July 1978
3-10 Blank	1 July 1978		
3-11 thru 3-18	1 July 1978		
4-1 thru 4-24	1 July 1978		
5-1	1 July 1978		
5-2 Blank	1 July 1978		
5-3 thru 5-21	1 July 1978		
5-22 Blank	1 July 1978		

NOTE

Refer to Section 9 Table of Contents for supplements applicable to optional systems.

SECTION 1 GENERAL

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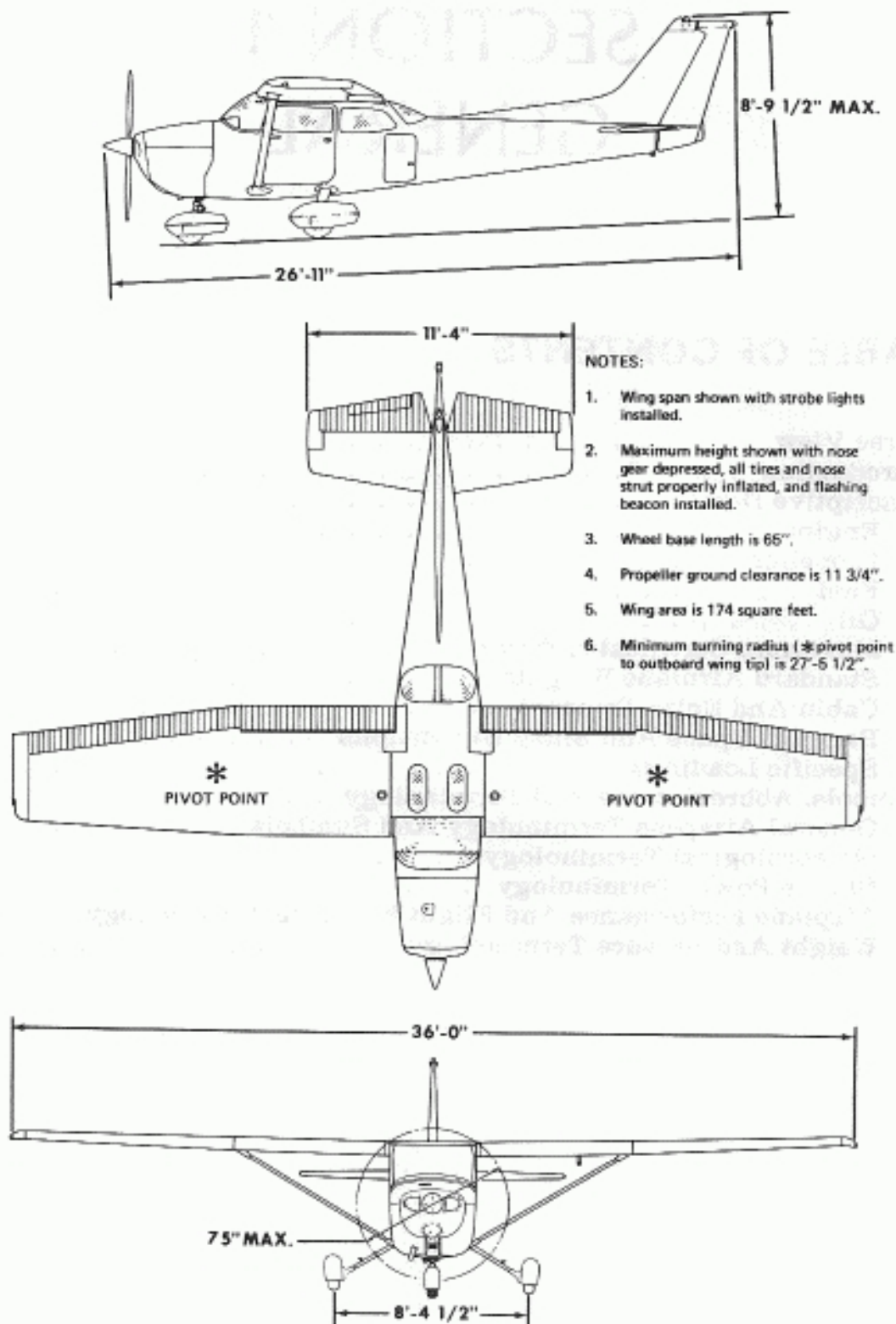


Figure 1-1. Three View

INTRODUCTION

This handbook contains 9 sections, and includes the material required to be furnished to the pilot by CAR Part 3. It also contains supplemental data supplied by Cessna Aircraft Company.

Section 1 provides basic data and information of general interest. It also contains definitions or explanations of symbols, abbreviations, and terminology commonly used.

DESCRIPTIVE DATA

ENGINE

Number of Engines: 1.

Engine Manufacturer: Avco Lycoming.

Engine Model Number: O-320-H2AD.

Engine Type: Normally-aspirated, direct-drive, air-cooled, horizontally-opposed, carburetor equipped, four-cylinder engine with 320 cu. in. displacement.

Horsepower Rating and Engine Speed: 160 rated BHP 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 (and Colors):

100LL Grade Aviation Fuel (Blue).

100 (Formerly 100/130) Grade Aviation Fuel (Green).