

Air Plains Services Corp.
P.O. Box 541
Wellington Airport
Wellington, Ks. 67152

Section 9
Supplements

FAA Approved
Airplane Flight Manual Supplement

For

Cessna 172N
Serial No. 17271035 and Subsequent
Serial No. 17271881 Reg. No. 5512E

This Supplement must be attached to the Pilots Operating Handbook and the FAA Approved Flight Manual when the airplane is modified in accordance with STC SA2714CE which installs the 160 hp. Lyc. O-320-D2J or D2G engine with fixed pitch propeller. The information contained herein supplements or supersedes the basic Manual only in those areas outlined herein. For limitations, procedures and performance information not contained in this Supplement, consult the basic Airplane Flight Manual.

1. GENERAL
2. LIMITATIONS

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Log of Revisions

Rev.	Pages Affected	Description	FAA Approved	Date
-	All	Original	<i>JM Baker</i>	4/30/91

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SECTION 1. General

The information contained in this Flight Manual Supplement is FAA Approved material, and is applicable to the operation of the airplane when modified in accordance with STC SA2714CE which installs the following 160 hp Lyc. engines and fixed pitch propellers.

Page 1-3 DESCRIPTIVE DATA

ENGINE

Engine Model Number: O-320-D2J,D2G

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 BHP at 2700 RPM

PROPELLER

Propeller Manufacturer: McCauley Accessory Corporation
Propeller Model Number: 1C160/DTM7557
Propeller Diameter, Maximum: 75 inches
Minimum: 74 inches

or

Propeller Manufacturer: Sensenich Corporation
Propeller Model Number: 74DM7S14-0
Propeller Diameter, Maximum: 74 inches
Minimum: 74 inches

OIL

Oil Capacity:
Sump: 7 Quarts.
Total: 8 Quarts.

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SECTION 2. Limitations

PAGE 2-5 POWER PLANT LIMITATIONS

Engine Model Number: O-320-D2J,D2G

Engine Operating Limits for Takeoff and Continuous Operations:

Maximum Power: 160 BHP rating

Maximum Engine Speed: 2700 RPM

Propeller Manufacturer: McCauley Accessory Corporation

Propeller Model Number: 1C160/DTM7557

Propeller Diameter, Maximum: 75 inches

Minimum: 74 inches

Static RPM Range At full throttle (Carburetor heat off and mixture leaned to maximum RPM) is 2300 to 2420 RPM.

Propeller Manufacturer: Sensenich Corporation

Propeller Model Number: 74DM7S14-0

Propeller Diameter, Maximum: 74 inches

Minimum: 74 inches

Static RPM Range At full throttle (Carburetor heat off and mixture leaned to maximum RPM) is 2300 to 2420 RPM.