

The Power of Experience



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FAA APPROVED SUPPLEMENT  
TO THE  
PILOT'S OPERATING HANDBOOK AND  
FAA APPROVED AIRPLANE FLIGHT MANUAL  
FOR

CESSNA MODELS 172N or P

REG. NO. N54222

SER. NO. 17274924

This Supplement must be attached to the "Pilot's Operating Handbook and FAA Approved Airplane Flight Manual when the aircraft is modified by the installation of a 180 HP engine and the gross weight is increased in accordance with STC SA703GL. The information contained herein supplements or supersedes the basic manual only in those areas listed. For limitations, procedures and performance information not contained in this Supplement, consult the basic "Pilot's Operating Handbook and FAA Approved Airplane Flight Manual."

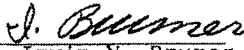
FAA APPROVED:

*Dary B. House*  
FOR W. F. Hyrn, Manager  
Chicago Aircraft  
Certification Office  
FAA Central Region

DATE: June 11, 1985

PENN YAN AERO SERVICE INC.  
FAA APPROVED  
AIRPLANE FLIGHT MANUAL SUPPLEMENT  
FOR CESSNA 172 SERIES AIRCRAFT

LOG OF REVISIONS

| <u>Rev.<br/>No.</u> | <u>Page<br/>No.</u> | <u>Description</u>  | <u>FAA Approved</u>   | <u>Date</u> |
|---------------------|---------------------|---|---|-------------|
| A                   | 4                   | Added performance information to Section 5 for clarification. |   |             |
|                     |                     | Added Log of Revisions Page 2                                 |   |             |
|                     |                     | Renumbered pages  | <br>Irwin N. Brumer<br>Manager, NYACO | 3/8/94      |

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POH and AFM Supplement  
for Cessna 172N and P

SECTION I - General

DESCRIPTIVE DATA

A. Engine

Number of engines: 1  
Engine Manufacturer: Avco Lycoming  
Engine Model: O-360-A4A, -A4M, -A4N  
Horsepower Rating and Speed: 180 rated 8HP at 2700 RPM

B. Propeller

Propeller Manufacturer: Sensenich  
Propeller Model Number: 76EMBS5 or 76EM8SPY  
Number of Blades: 2  
Propeller Diameter: 76 inches  
Propeller Type: Fixed Pitch

SECTION II - Limitations

A. The following placard must be displayed in full view of the pilot:

THIS AIRCRAFT HAS BEEN MODIFIED BY THE INSTALLATION OF A 180 HP  
ENGINE PER STC SA703GL. IT MUST BE OPERATED AS A NORMAL CATEGORY  
AIRPLANE IN COMPLIANCE WITH THE OPERATING LIMITATIONS AS STATED  
IN THE FORM OF PLACARDS, MARKINGS AND MANUALS.

B. For the N model aircraft the following placard must be displayed  
adjacent to the flap position selector switch:

MAXIMUM FLAP TRAVEL IS 30°

C. The following limits apply to the normal category only.

Maximum Gross Weight - 2550 lbs.  
C.G. Range - 41.0" to 47.3" at 2550 lbs.  
35.0" to 47.3" at 1950 lbs. or less  
Straight line variation between points given.

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Section 3      Emergency Procedures

NO CHANGE

Section 4      Normal Procedures

NO CHANGE

Section 5      Performance

Performance of the Cessna 172 series aircraft, when it is modified by the installation of a 180 HP engine and the gross weight is increased, in accordance with STC SA703GL, will be equal to or better than the basic airplane

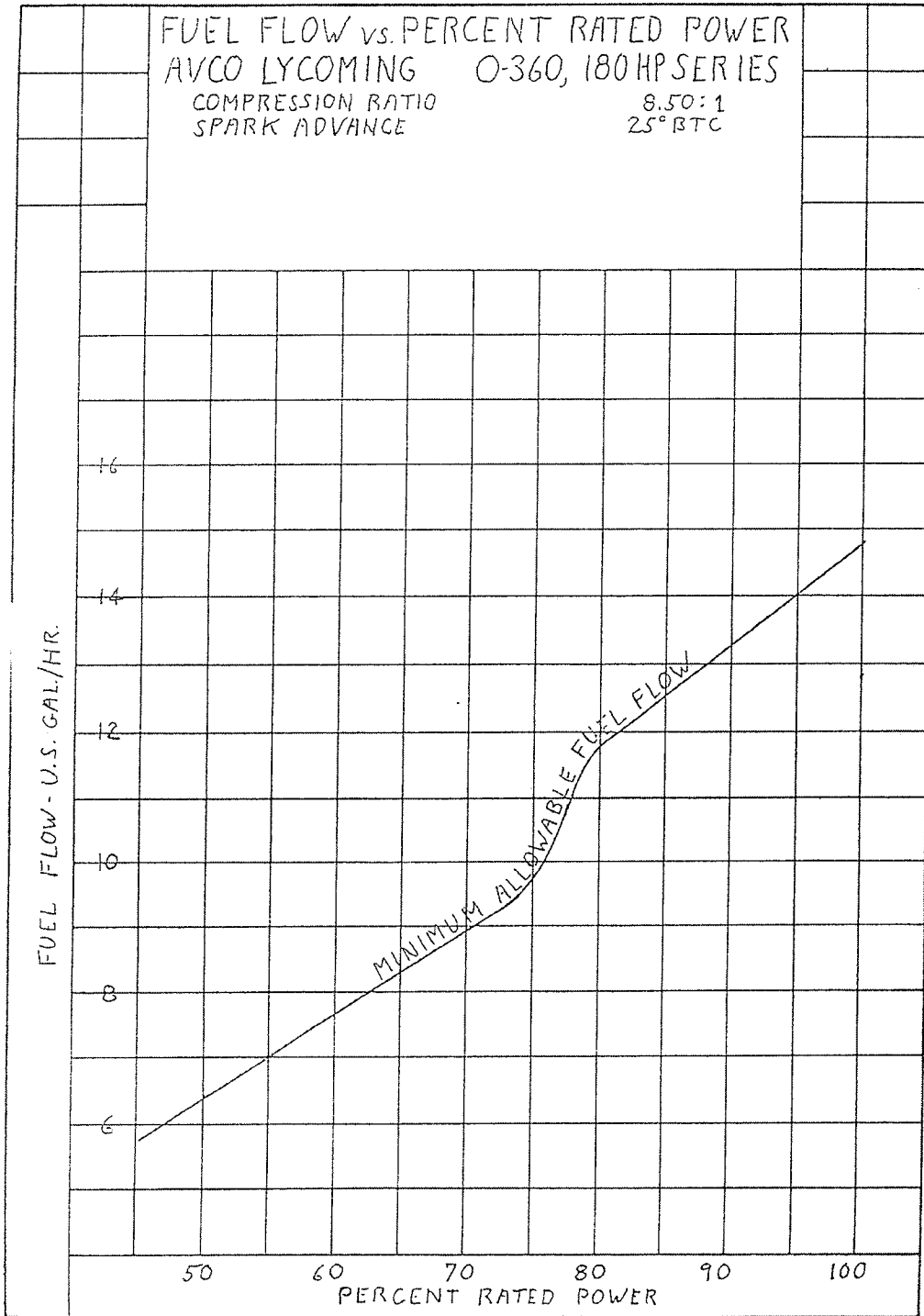
CAUTION: -

The fuel consumption and range/endurance information originally presented for this model do not apply to this STC modification; increased fuel consumption and reduced range/endurance can be expected with the 180 hp engine installed.

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DATE:  
Revised: APR 13 1994

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CURVE NO. 13357



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