

PENN YAN AERO SERVICE, INC.

2499 BATH ROAD

AIRPORT

PENN YAN, N.Y. 14527-9599

(315) 536-2333

180 H.P. SUPERHAWK

The Engine People

FAA APPROVED

SUPPLEMENTAL AIRPLANE FLIGHT MANUAL

FOR

CESSNA 172N

REG. NO. N140PC

SER. NO. 17268241

This Supplement must be carried in the aircraft when it 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 placards and markings only in those areas listed.

FAA APPROVED:

Sam S. Lousen
FOR W. F. Horn, Manager
Chicago Aircraft
Certification Office
FAA Central Region

DATE: June 11, 1985

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Penn Yan Aero Service, Inc.
2499 Bath Road, Airport
Penn Yan, NY 14527-9599

Supplemental Airplane
Flight Manual for
Cessna 172N

SECTION I - 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.

SECTION II - Emergency Procedures - No change.

SECTION III - Normal Procedures - No change.

SECTION IV - Performance - No change.

SECTION V - Weight and Balance - See Page 3.

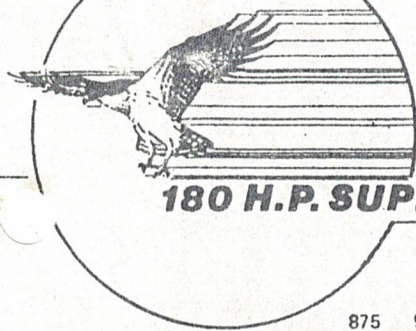
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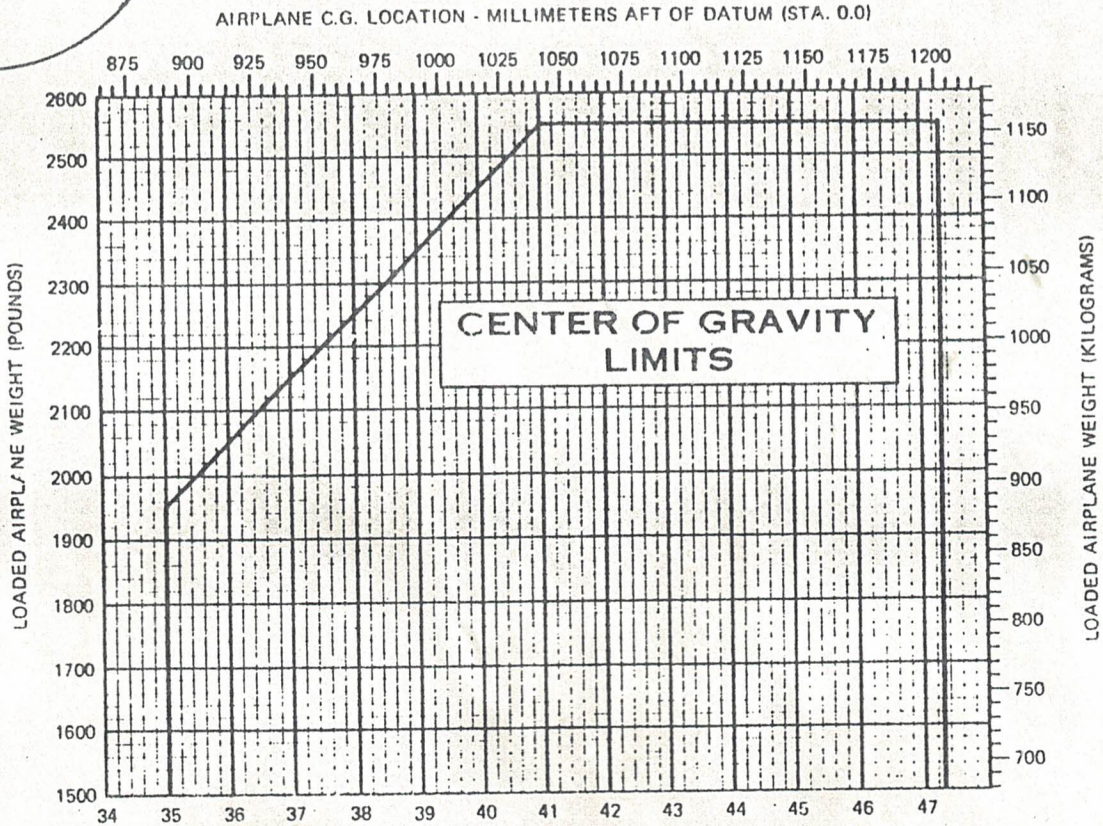
WEIGHT & BALANCE
EQUIPMENT LIST

MODEL 172 N & P

CESSNA

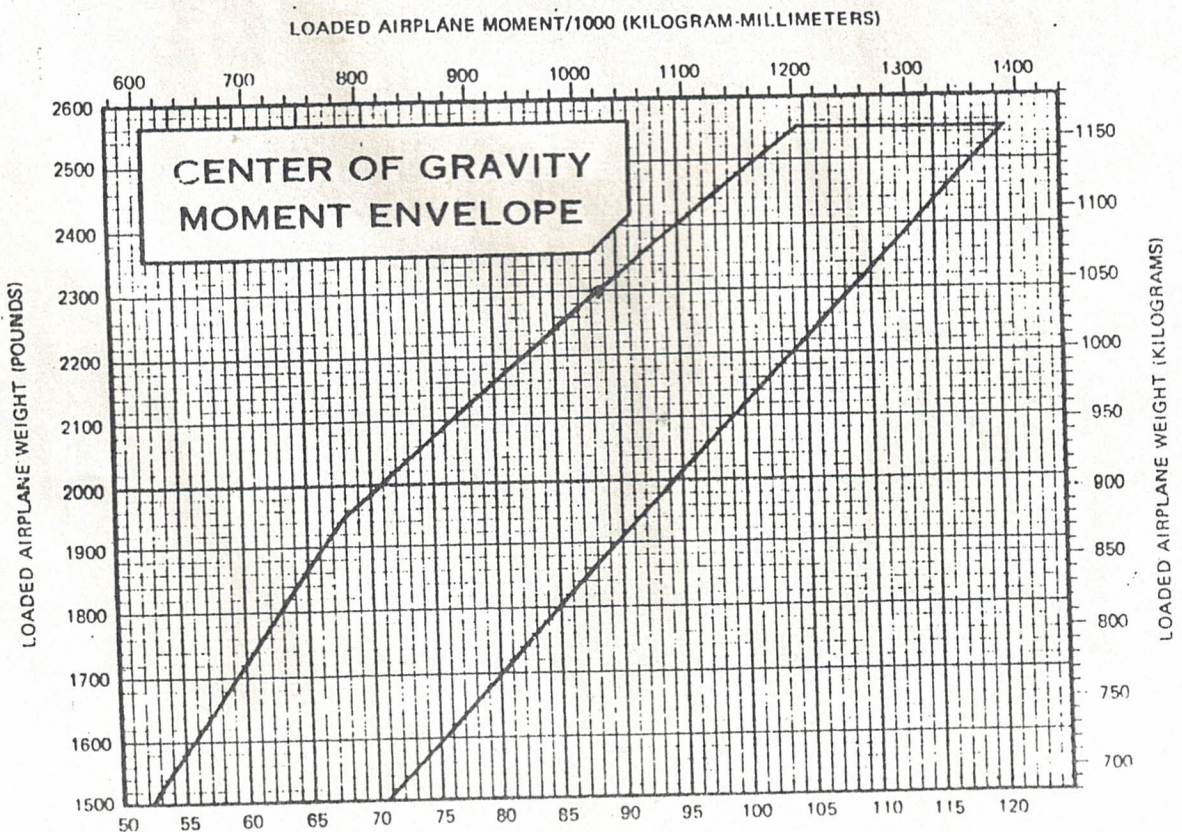
MODEL 172 N & P

WEIGHT & BALANCE
EQUIPMENT LIST



AIRPLANE C.G. LOCATION - INCHES AFT OF DATUM (STA. 0.0)

Center of Gravity Limits



LOADED AIRPLANE MOMENT/1000 (KILOGRAM-MILLIMETERS)

CENTER OF GRAVITY
MOMENT ENVELOPE