## ARAPAHOE FLIGHT CLUB

1360 Aviation Way
Colorado Springs, CO 80916
(719) 301-6550
www.arapahoefc.com

| | |
|---|---|
| **Make:** | Piper |
| **Model:** | PA28-151 |
| **S/N:** | 28-7415485 |
| **Reg #:** | N831TS |

**EQUIPMENT CHANGE - WEIGHT AND BALANCE**

| | | |
|---|---|---|
| A. Old Empty Weight | 1455.30 | Pounds |
| B. Old Empty CG | 87.24 | Inches |
| C. Old Empty Weight CG Moment | 126960.37 | Inch Pounds |
| D. Max Gross Weight | 2325.00 | Pounds |
| E. Old Useful Load | 869.70 | Pounds |

| List of items removed | Weight | Arm | Moment |
|---|---|---|---|
| 1. Narco COM 810 TSO Radio | -2.90 | 57.00 | -165.30 |
| 2. Narco AT 50A Transponder | -2.30 | 57.00 | -131.10 |
| 3. D120-P2T Altitude Digitizer | -1.19 | 60.00 | -71.25 |

| List of items installed | Weight | Arm | Moment |
|---|---|---|---|
| 1. NGT 9000 Transponder | 2.96 | 57.00 | 168.72 |
| 2. Garmin 430W GPS | 6.20 | 58.00 | 359.60 |
| 3. KI 206 CDI | 1.30 | 60.00 | 78.00 |
| 4. GPS Antenna (NGT 9000) | 0.30 | 78.00 | 23.40 |
| 5. GPS Antenna (Garmin 430) | 0.31 | 96.00 | 30.00 |
| 6. Blade Antenna ADSB (NGT 9000) | 0.28 | 60.00 | 16.80 |
| 7. SSD120-30N Trans-Cal Altitude Encoder | 0.63 | 55.00 | 34.38 |

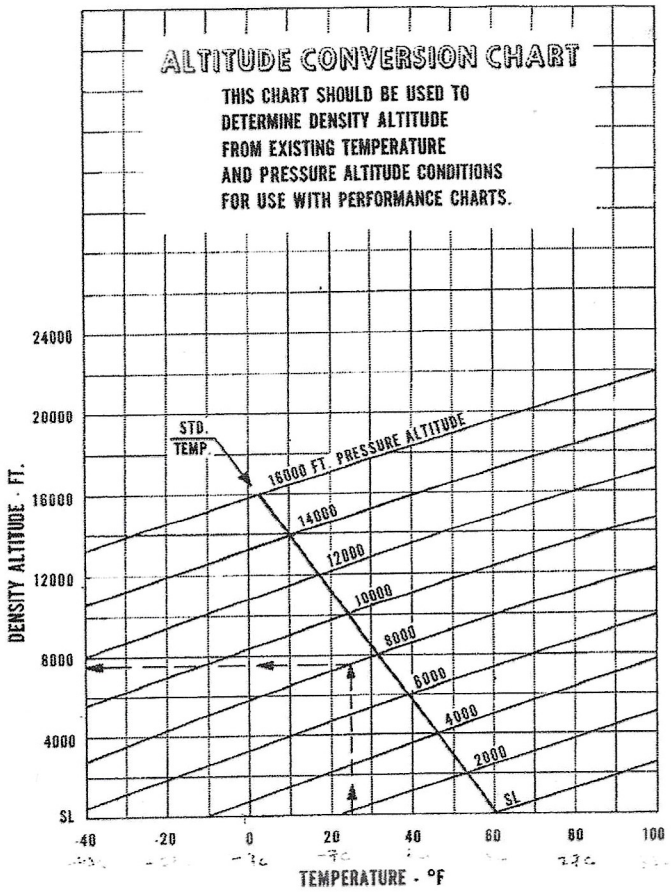
| | | |
|---|---|---|
| A. New Empty Weight | 1460.89 | Pounds |
| B. New Empty CG | 87.14 | Inches |
| C. New Empty Weight CG Moment | 127303.62 | Inch Pounds |
| D. Max Gross Weight | 2325.00 | Pounds |
| E. New Useful Load | 864.11 | Pounds |

This new weight and balance information superseads all previous weight and balance data.
For aircraft loading, see instructions in Weight and Balance Section of Aircraft Manual.

**Mechanic's Signature:** **Date:** 1 DEC 2019

**Certificate Number:** AP3509341

# PA-28-151
# CHEROKEE



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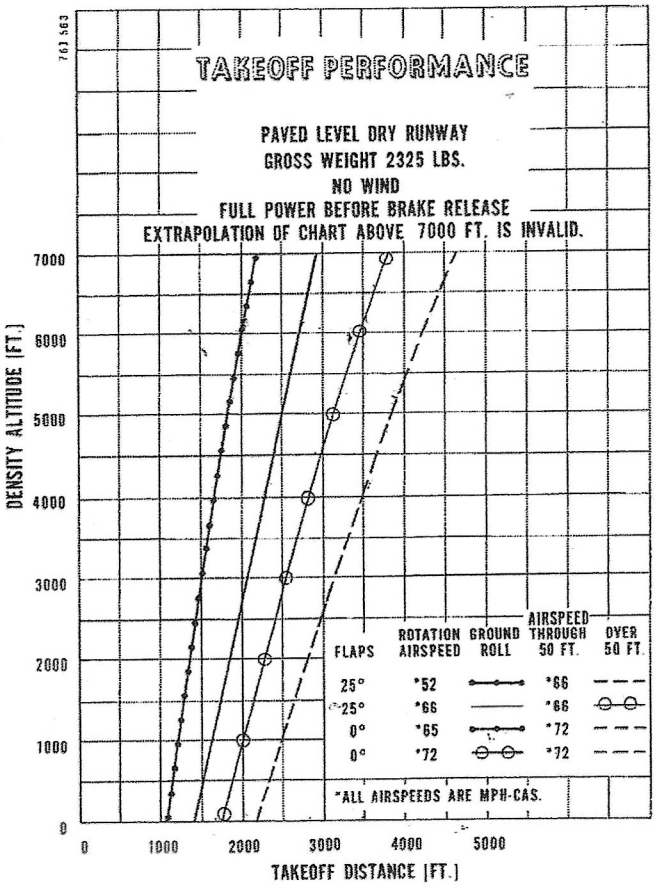

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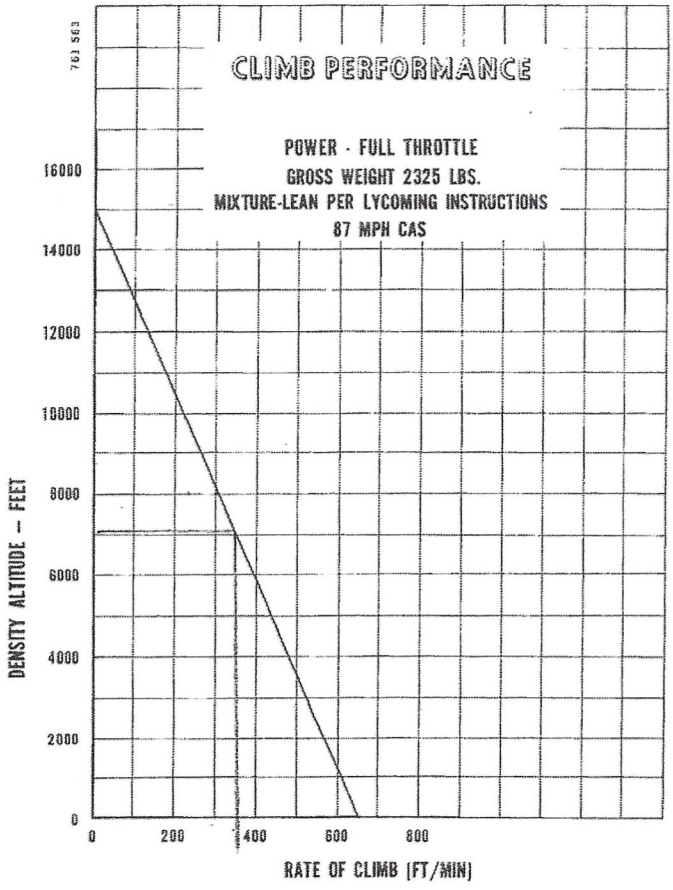

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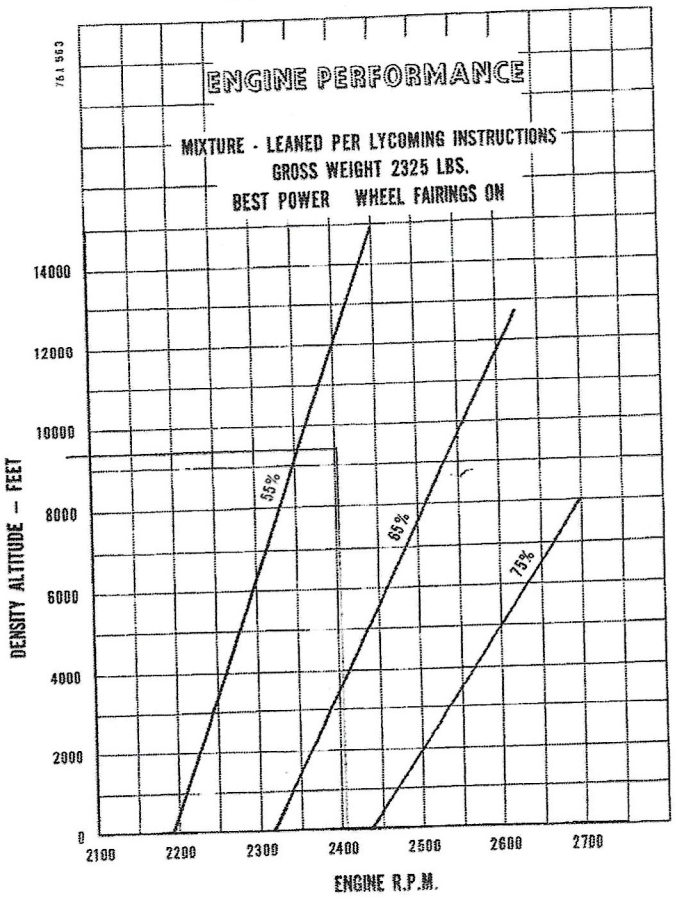

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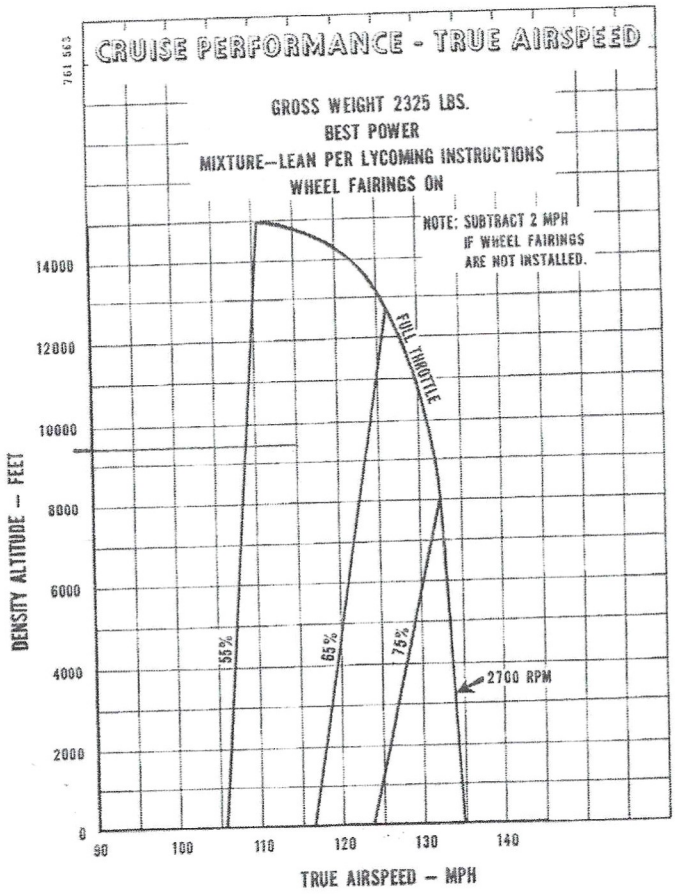

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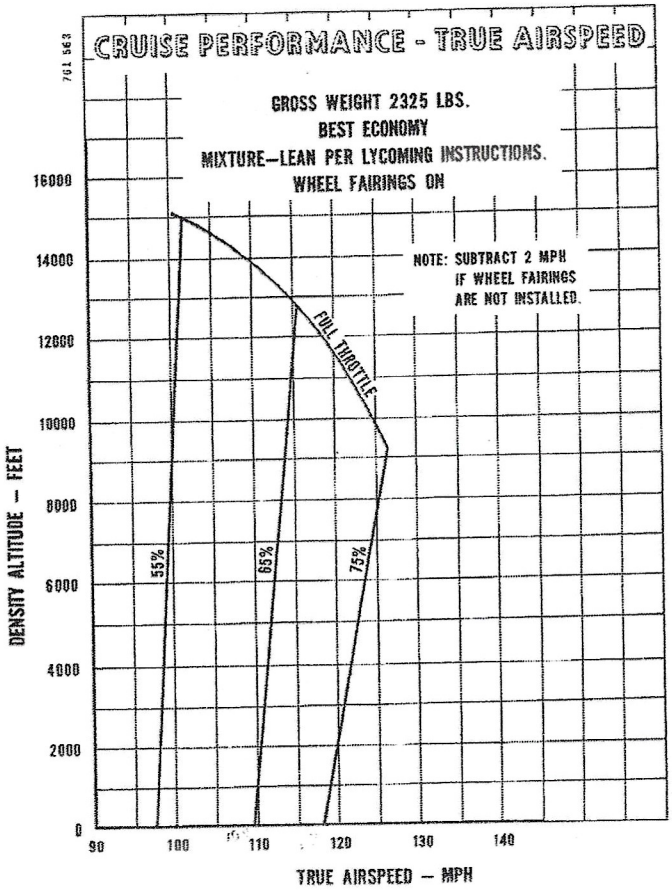

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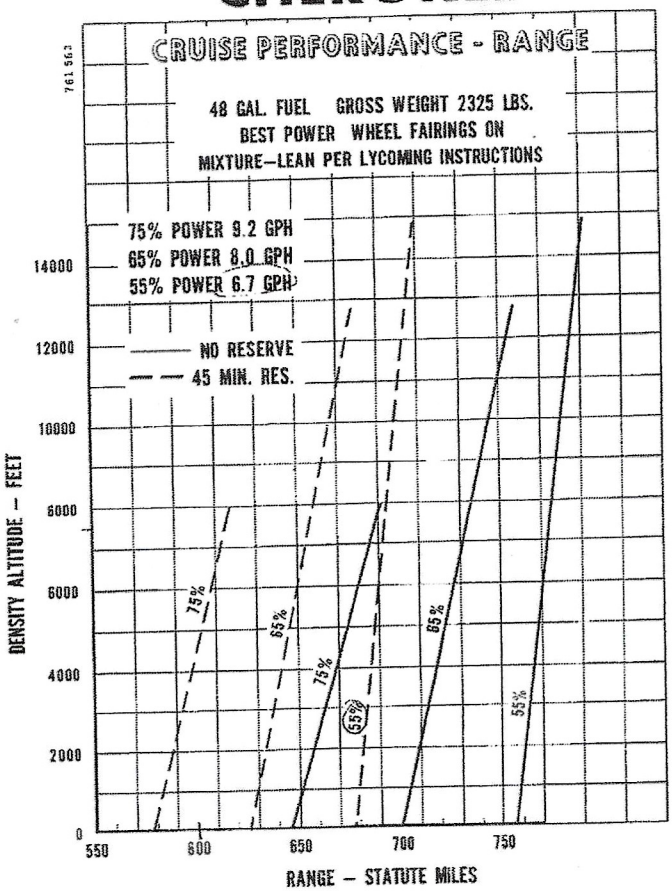

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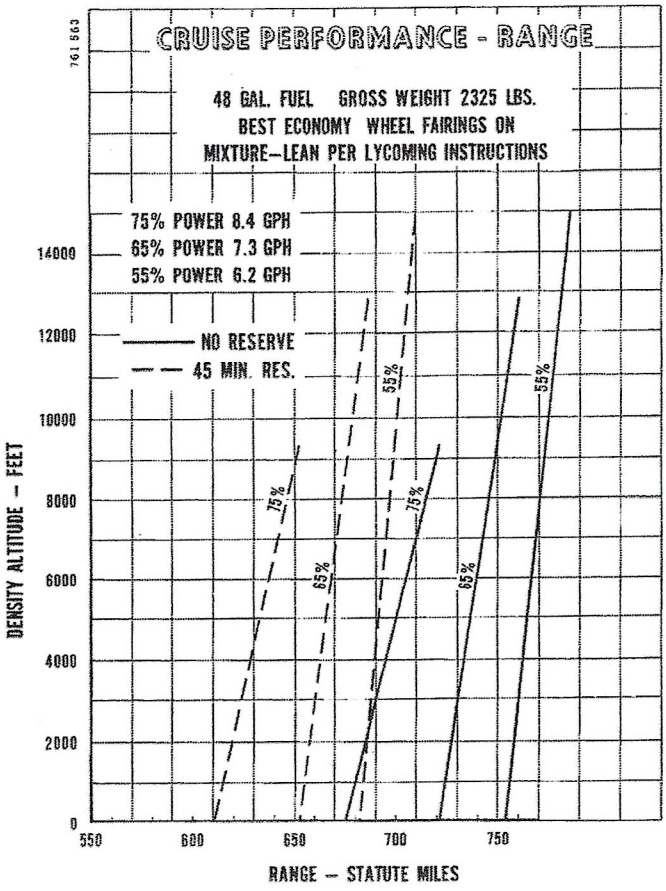

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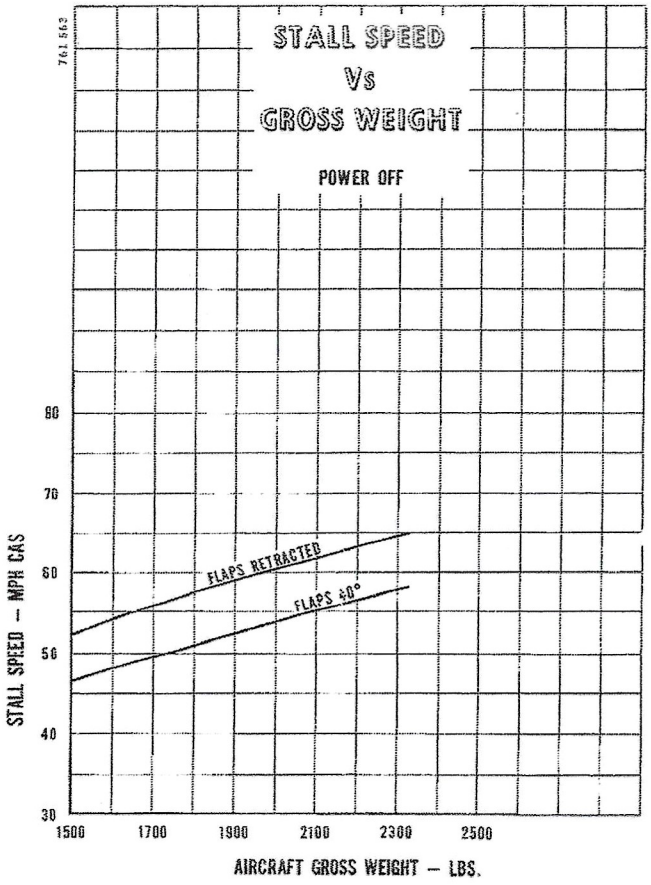

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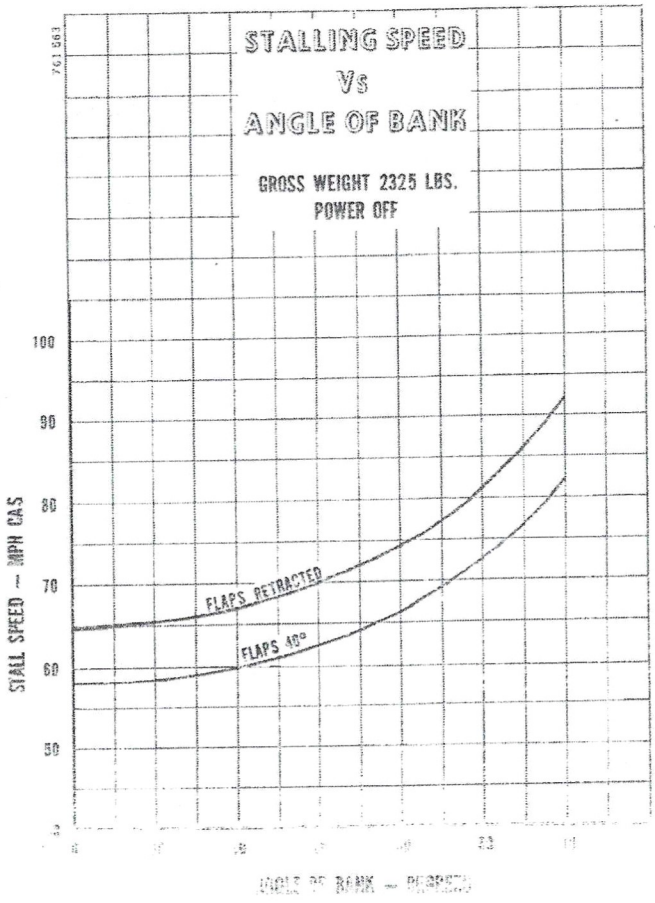

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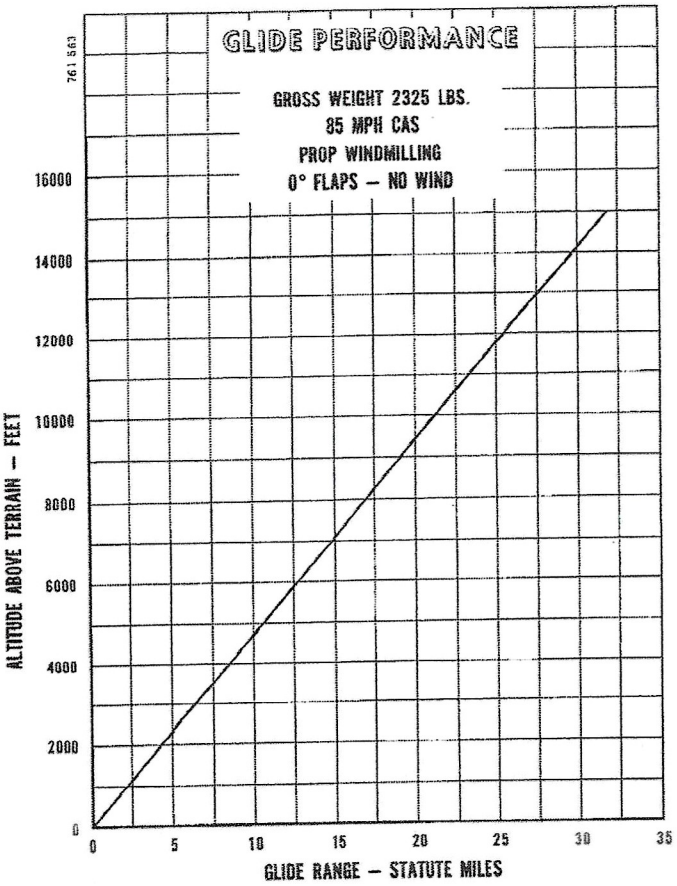

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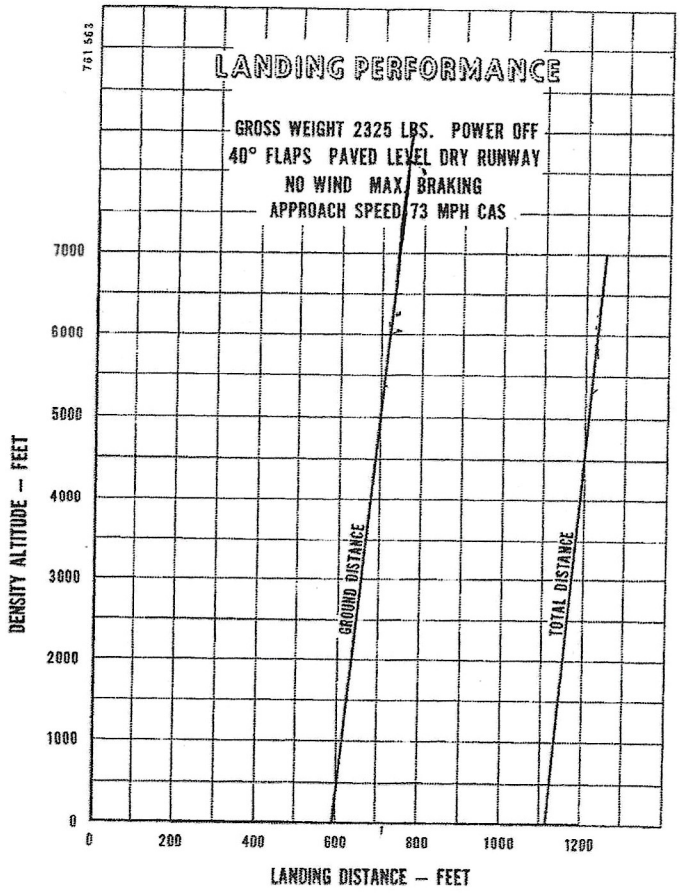
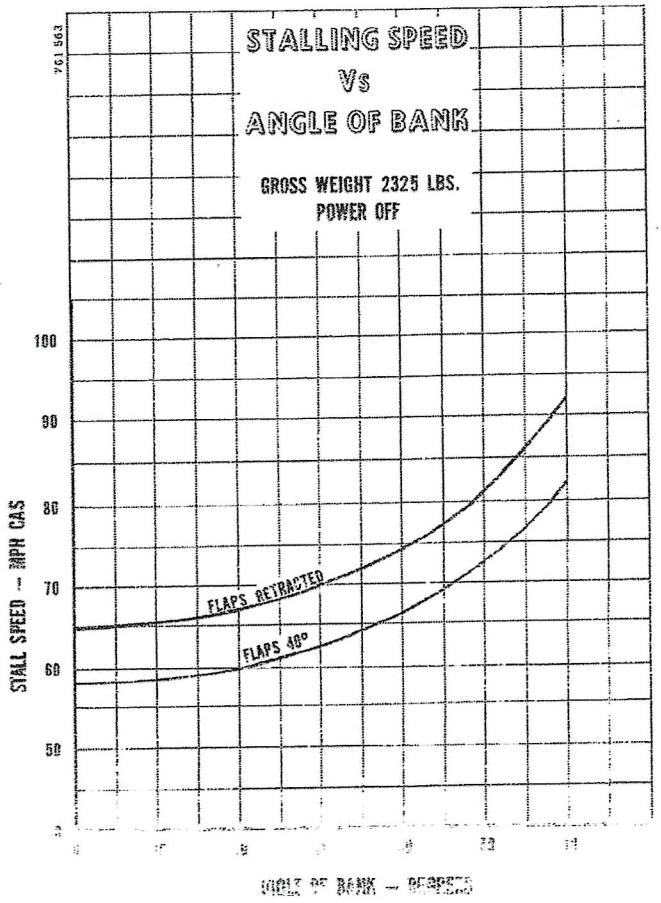
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