

AIRCRAFT

6.2 - AEROPLANE WEIGHT

Aeroplane Type:.....PIPER PA28-151

Registration Marking:....**VH-IBX** Serial No: 28-7615098

ISSUE:...THREE DATE:.....28.11.96 EXPIRY:...INDEFINITE

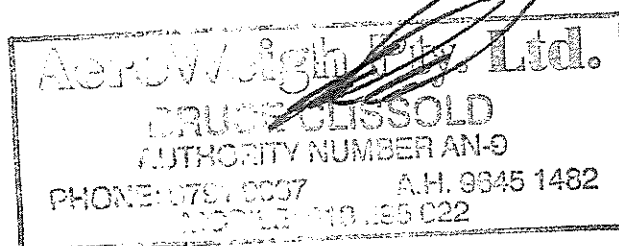
AEROPLANE WEIGHT AND CENTRE OF GRAVITY DATA:

ITEM	WEIGHT (Kg)	ARM (mm aft of datum)	INDEX UNIT (Kg.mm)	CABIN CONFIGURATION
EMPTY	645.9	2187	1412385	FOUR SEATS TOTAL
BASIC	652.7	2171	1417135	FOUR SEATS TOTAL
STANDARD CABIN CONFIGURATION				

NOTE: The above empty weights include:-

EMPTY - unusable fuel and undrainable oil

BASIC - unusable fuel and full oil



CHEROKEE WARRIOR

C. G. RANGE AND WEIGHT INSTRUCTIONS

1. Add the weight of all items to be loaded to the licensed empty weight.
2. Use the loading graph to determine the moment of all items to be carried in the airplane.
3. Add the moment of all items to be loaded to the licensed empty weight moment.
4. Divide the total moment by the total weight to determine the C.G. location.
5. By using the figures of Item 1 and Item 4, locate a point on the C.G. range and weight graph. If the point falls within the C.G. envelope, the loading meets the weight and balance requirements.

SAMPLE LOADING PROBLEM (Normal Category)

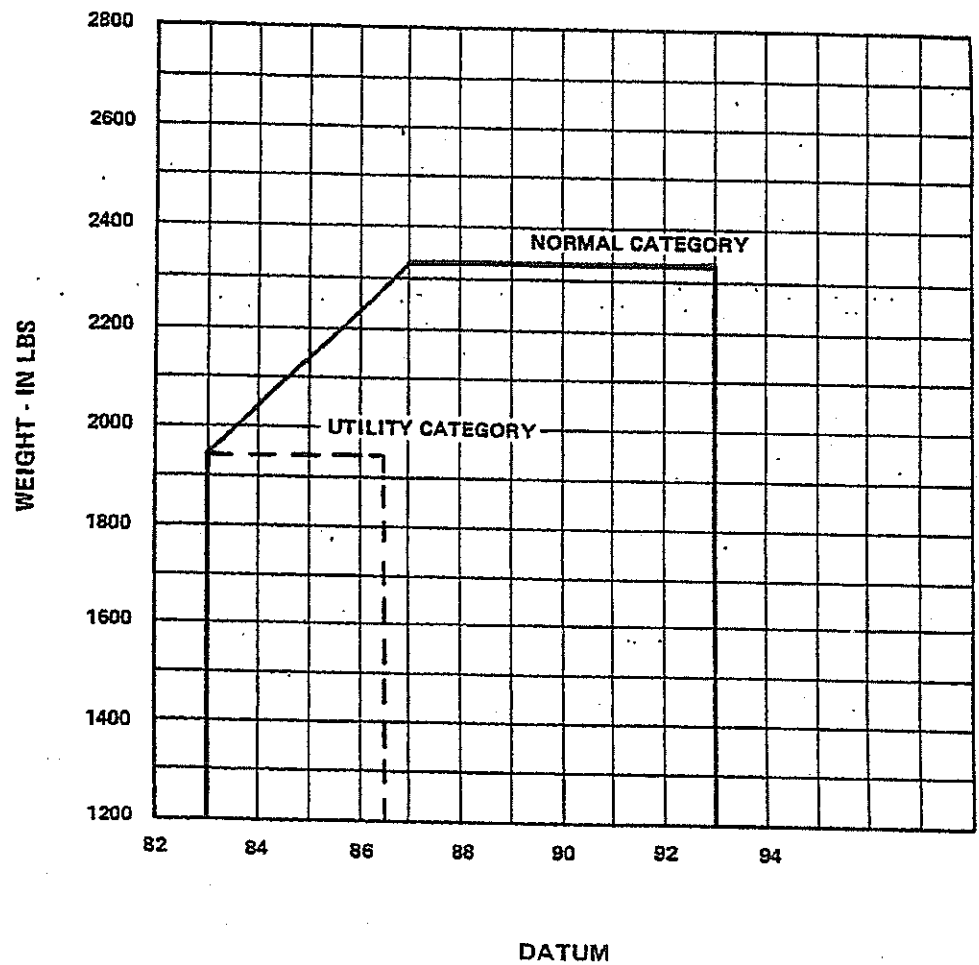
	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Licensed Empty Weight			
Oil (8 quarts)	15	27.5	413
Pilot and Front Passenger	340	80.5	27370
Passengers, Aft* (Rear Seat)	340	118.1	40154
Fuel (48 Gal. Maximum)		95.0	
Baggage*		142.8	
Total Loaded Airplane			

The center of gravity (C.G.) of this sample loading problem is at _____ inches aft of the datum line. Locate this point () on the C.G. range and weight graph. Since this point falls within the weight - C.G. envelope, this loading meets the weight and balance requirements.

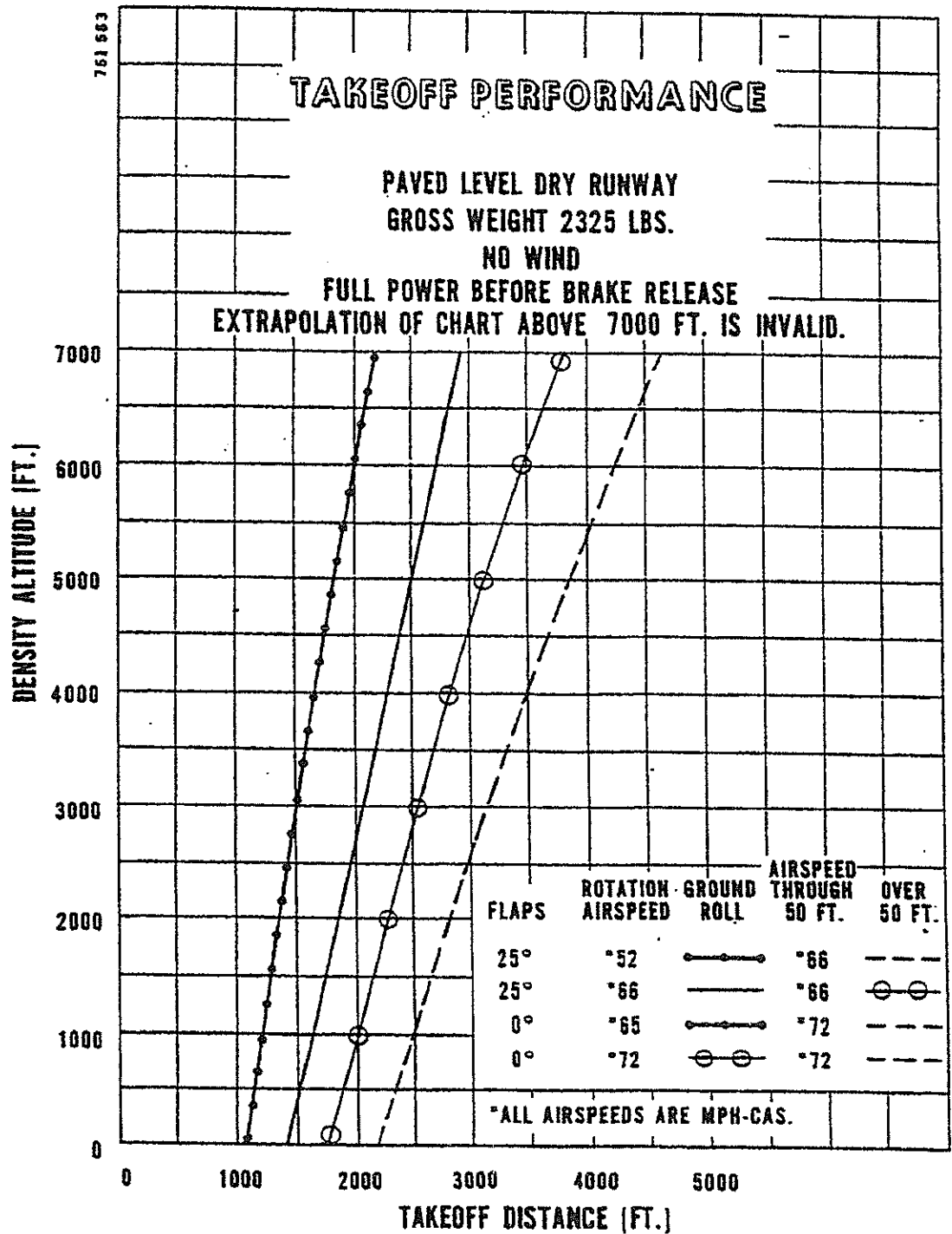
IT IS THE RESPONSIBILITY OF THE PILOT AND AIRCRAFT OWNER TO INSURE THAT THE AIRPLANE IS LOADED PROPERLY.

*Utility Category Operation - No baggage or aft passengers allowed.

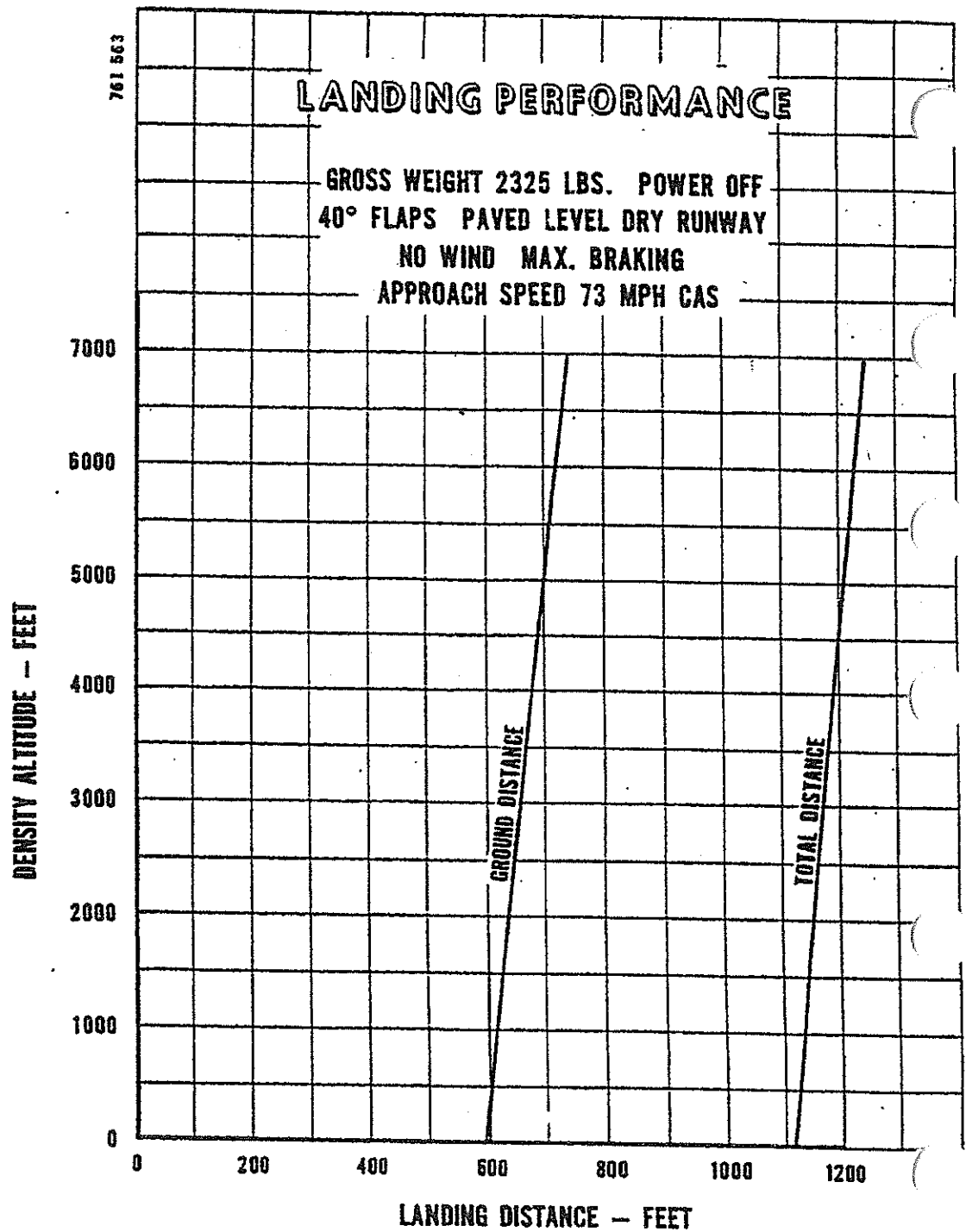
C. G. RANGE AND WEIGHT



PA-28-151 CHEROKEE



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CHEROKEE WARRIOR

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