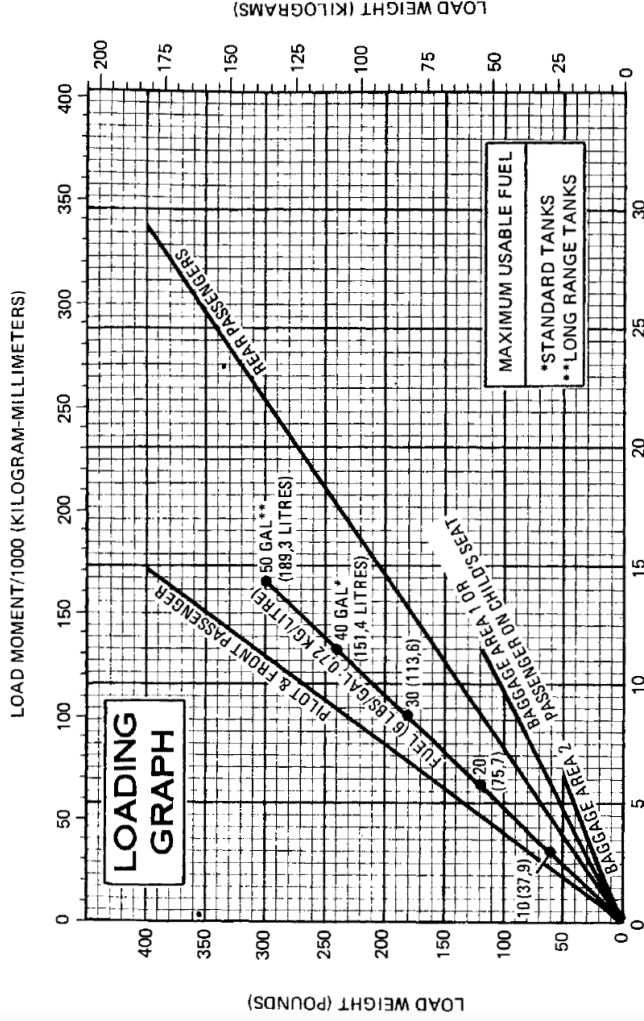


Figure 6-4. Internal Cabin Dimensions

SAMPLE AIRPLANE	YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins. /1000)
SAMPLE LOADING PROBLEM 1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil) 2. Usable Fuel (At 6 Lbs./Gal.) Standard Tanks (40 Gal. Maximum) Long Range Tanks (50 Gal. Maximum) 3. Pilot and Front Passenger (Station 34 to 46) 4. Rear Passengers 5. * Baggage Area 1 or Passenger on Child's Seat (Station 82 to 108) 120 Lbs. Max. 6. * Baggage Area 2 (Station 108 to 142) 50 Lbs. Max. 7. TOTAL WEIGHT AND MOMENT 8. Locate this point (2300 at 103.2) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.	1454	57.6
	240	11.5
	340	12.6
	170	12.4
	96	9.1
	2300	103.2
	NOTE	
	* The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120 lbs.	

Figure 6-5. Sample Loading Problem

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NOTE: Line representing adjustable seats shows the pilot or passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements diagram for forward and aft limits of occupant C.G. range.

Figure 6-6. Loading Graph

CESSNA
MODEL 172N

CESSNA
MODEL 172N

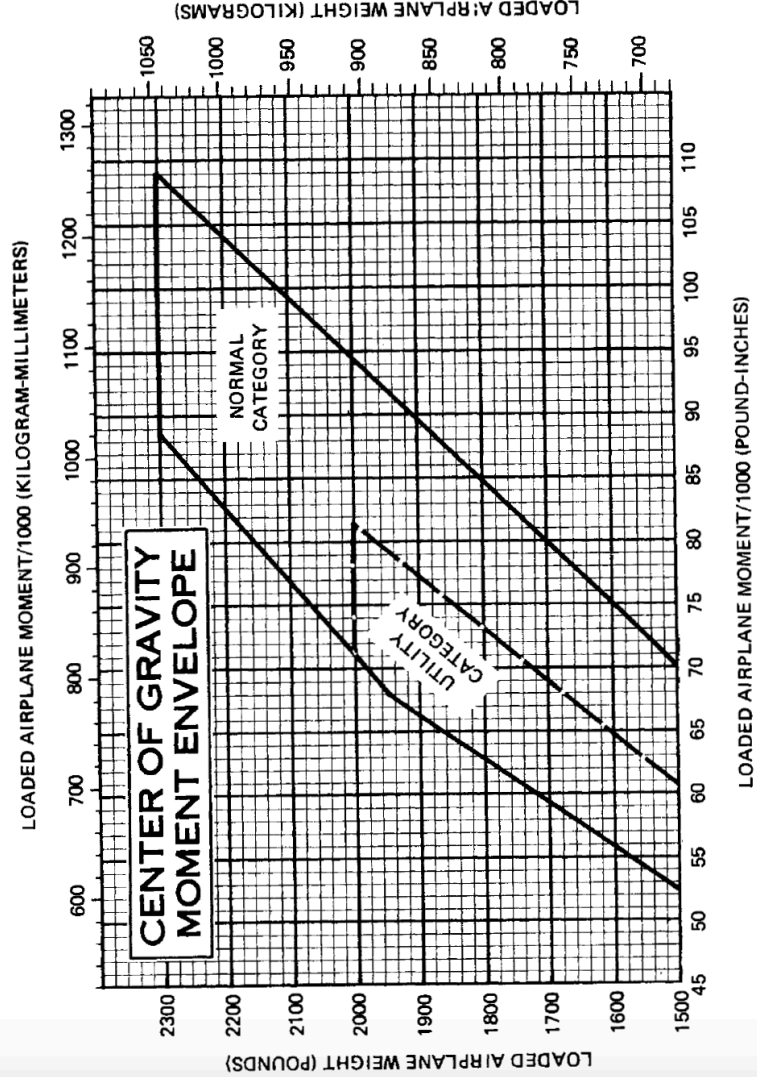


Figure 6-7. Center of Gravity Moment Envelope

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