

Weight and Balance Loading for SAMI 1974 C-172M	Sample Airplane			N5141R	
	Description	Weight (lbs.)		Moment (lb.-ins./1000)	Weight (lbs.)
Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel)	1392	54.6	Gallons (6lbs/Gal)	1457	57.5
Usable Fuel (at 6 lbs/Gal), Enter Gallons, 38 Gal. Maximum	228	10.9			
Pilot and Front Passenger (Station 34 to 46)	340	12.6			
Rear Passengers	340	24.8			
*Baggage Area 1 120 lbs Max					
*Baggage Area 2 50 lbs Max					
Take-Off Weight and Moment	2300	102.9	Gallons		
Less Fuel for Flight in Gallons	132	6.3			
Landing Weight and Moment	2168	96.6			

Notes: Ensure takeoff and landing weight and moment fall inside the Center of Gravity Moment Envelope below.

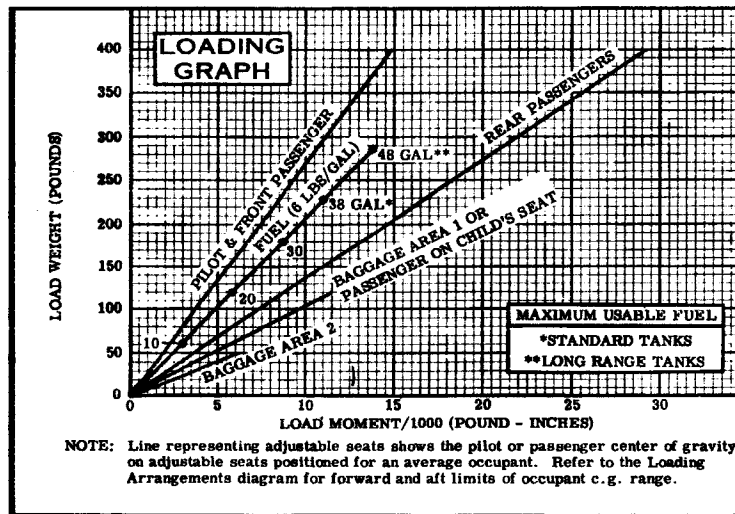


Figure 6-6. Loading Graph

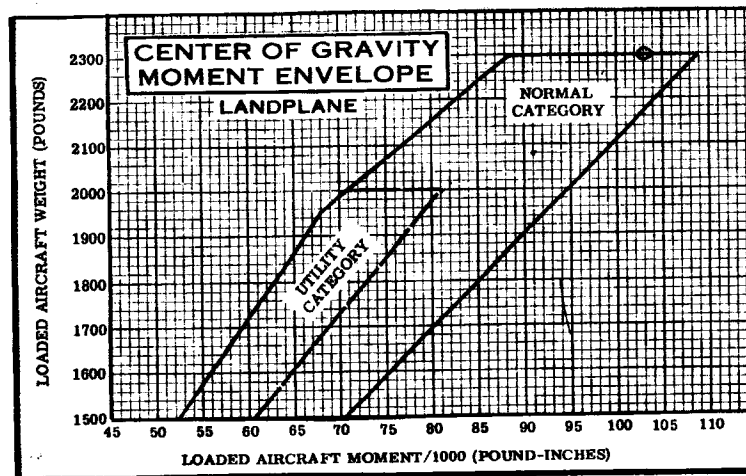


Figure 6-7. Center of Gravity Moment Envelope