

Maui Aviators

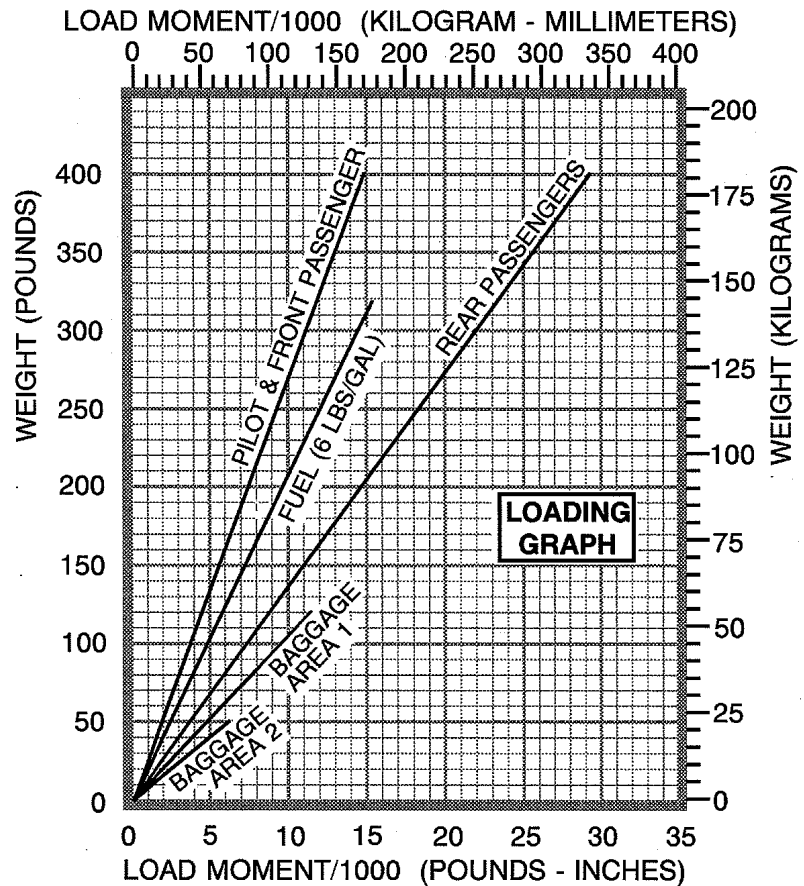
Cessna 172S Weight And Balance

Aircraft	N6009V	N335SP
Basic Empty Wt.	1679.2	1720.3
Useful Load	878.8	837.7
Arm	40.558	41.162
Moment	68,104	70,813

WEIGHT LIMITS NORMAL CATEGORY

Max Ramp Weight 2558
 Max Takeoff Weight 2550
 Max Baggage Compartment 120

UTILIY CATEGORY
 Max Ramp Weight 2208
 Max Takeoff Weight 2200
 Max Baggage Compartment 0



ITEM DESCRIPTION	WEIGHT AND MOMENT TABULATION			
	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (Lb-ins. /1000)	Weight (lbs.)	Moment (Lb-ins. /1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1642	62.6		
2. Usable Fuel (At 6 Lbs./Gal.)				
53 Gallons Maximum				
30 Gallons (Quantity used for example)	180	8.6		
3. Pilot and Front Passenger (Station 34 to 46)	340	12.6		
4. Rear Passengers	340	24.8		
5. *Baggage Area 1 (Station 82 to 108; 120 Lbs. Max.)				
	56	4.6		
6. *Baggage Area 2 (Station 108 to 142; 50 Lbs. Max.)				
7. RAMP WEIGHT AND MOMENT (add columns)	2558	113.2		
8. Fuel allowance for engine start, taxi and runup	-8.0	-0.4		
9. TAKEOFF WEIGHT AND MOMENT (Subtract Step 8 from Step 7)	2550	112.8		
10. Locate this point (2550 at 112.8) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable. * The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120 pounds.				

