

N64754 last Weight and Balance as weighed by George McClellan conducted 4-Mar-2018. Use the latest values\*\* as the aircraft has received modifications since 1982 and weighs more than the original delivered value.

SECTION 6  
WEIGHT & BALANCE/  
EQUIPMENT LIST

CESSNA  
MODEL 172P

SAMPLE LOADING PROBLEM	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) . . . . .	1467	57.3	** 1491	** 42.98
2. Usable Fuel (At 6 Lbs./Gal.)				
Standard Tanks (40 Gal. Maximum) . . . . .	240	11.5		
Long Range Tanks (50 Gal. Maximum) . . . . .			N/A	N/A
Integral Tanks (62 Gal. Maximum) . . . . .			N/A	N/A
Integral Reduced Fuel (42 Gal.) . . . . .			N/A	N/A
3. Pilot and Front Passenger (Station 34 to 46) . . . . .	340	12.6		
4. Rear Passengers . . . . .	340	24.8		
5. * Baggage Area 1 or Passenger on Child's Seat (Station 82 to 108, 120 Lbs. Max.) . . . . .	20	1.9		
6. * Baggage Area 2 (Station 108 to 142, 50 Lbs. Max.) . . . . .				
7. RAMP WEIGHT AND MOMENT	2407	108.1		
8. Fuel allowance for engine start, taxi, and runup	-7	-.3	-7	-0.3
9. TAKEOFF WEIGHT AND MOMENT (Subtract Step 8 from Step 7)	2400	107.8		
10. Locate this point (2400 at 107.8) 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.				

Figure 6-5. Sample Loading Problem (Sheet 1 of 2)

Reminder - Maximum Take Off Weight is 2400 lbf.