

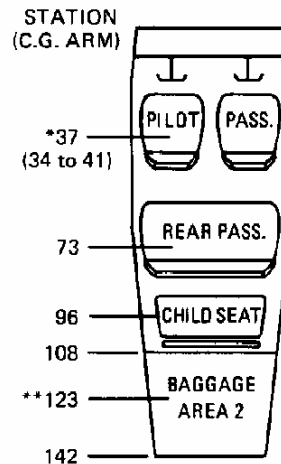
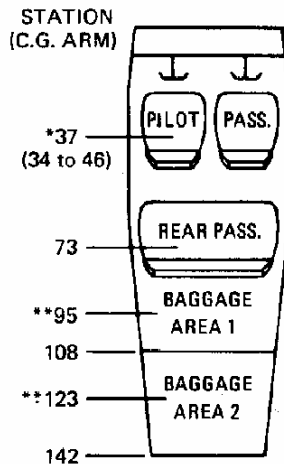
Weight & Balance Worksheet	Sample Airplane			
	ARM (ins.)	Weight (lbs.)	Moment (lb. • ins.)	N98913 5-Jan-05
1. BASIC EMPTY WEIGHT (Use the data pertaining to your airplane as it is presently equipped. Includes full fuel and full oil)		1,527	57,008	1,527 57,008
2. USABLE FUEL (At 6 Lbs./Gal.) Standard Tanks (40 Gal. Maximum)	48	240	11,520	
3. Pilot (Station 34 to 46)	37	200	7,400	
4. Observer-Right Front Seat (Station 34 to 46)	37	200	7,400	
5. Back Seat Passenger #1	73	200	14,600	
6. Back Seat Passenger #2	73	143	10,439	
7. Baggage Area 1 (Station 83 to 108) • 120 lbs. Max Survival Kit = 24 lb., Tie Down Kit(*) = 23 lb.	95	47	4,465	
8. Baggage Area 2 (Station 108 to 142) • 50 lbs. Max; • (Area1+Area2) ≤ 120 lbs total	123	0	0	
9. RAMP WEIGHT AND MOMENT		2,557	112,832	
10. FUEL ALLOWANCE for start, taxi, and runup	48	-7	-336	
11. TAKEOFF WEIGHT AND MOMENT		2,550	112,320	
12. TAKEOFF CG $\frac{Moment_{TAKEOFF} (lb. \bullet ins.)}{Weight_{TAKEOFF} (lb.)} = CG_{TAKEOFF} (ins.)$		$\frac{112,320(lb \bullet in)}{2550(lb)} = 44.0(in)$		

* Tie down kit weight includes avionics lock.

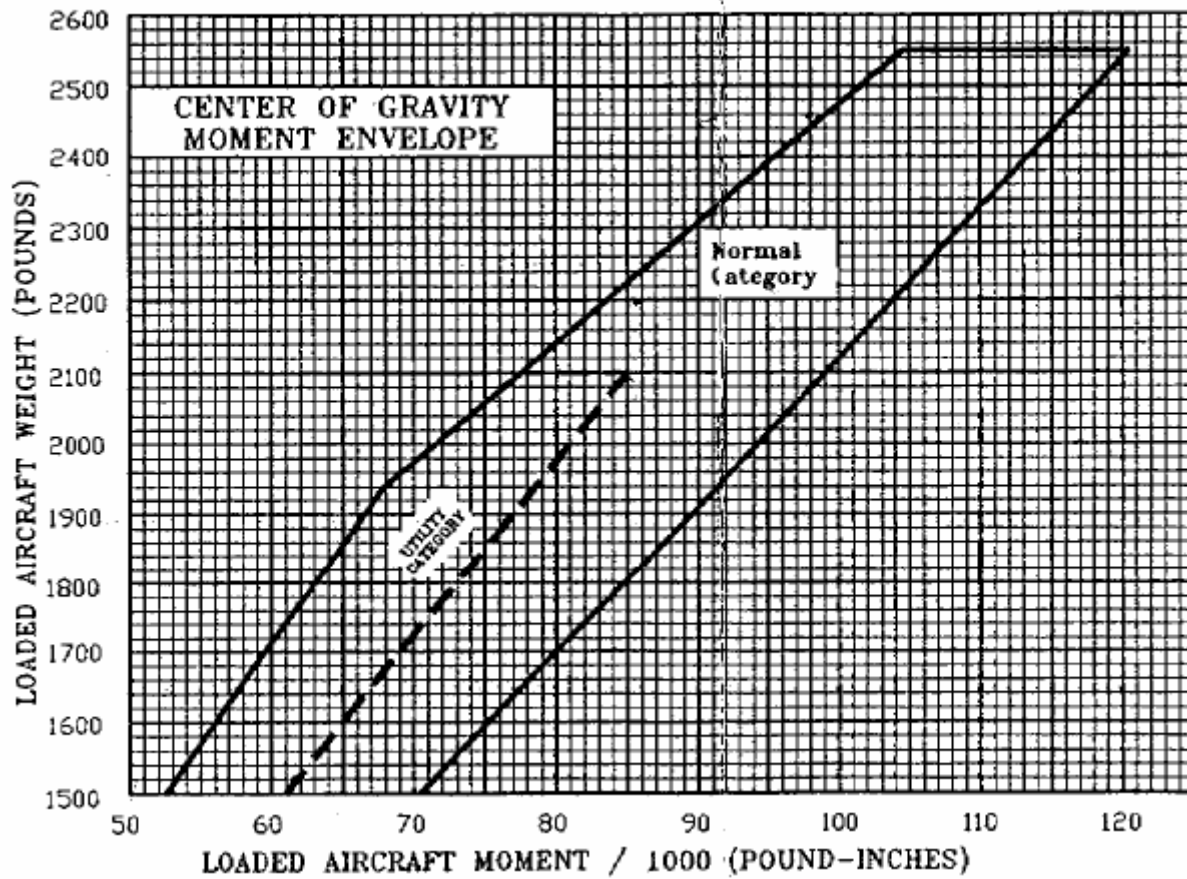
*Pilot or passenger center of gravity on adjustable seats positioned for average occupant. Numbers in parentheses indicate forward and aft limits of occupant center of gravity range.

**Arm measured to the center of the areas shown.

- NOTES:
1. The usable fuel C.G. arm for standard, long range and integral tanks is located at station 48.0.
 2. The rear cabin wall (approximate station 108) or aft baggage wall (approximate station 142) can be used as convenient interior reference points for determining the location of baggage area fuselage stations.



172P Model 2550 Gross Weight



172P Model - 2550 Gross Weight

