

**Ace Pilot Training  
Weight and Balance Computation  
N1078U      PA34-200**

Item	Weight (lbs)	Arm (in.)	Moment (in-lbs)
Licensed Empty Weight	2,831.58	83.85	237,436.35
Pilot and Front Passenger		85.50	
Passengers (Center Seats)		118.10	
Passengers (Rear Seats)		155.70	
Passengers (Jump Seat)	N/A	118.10	0.00
Fuel (93 Gal. Max at 6 lbs per gallon)		93.60	
Baggage (Forward) (100 lbs. Max.)		22.50	
Baggage (Rear) (100 lbs Max.)		178.70	
Total Loaded Airplane (4000 lbs. Max)		*****	

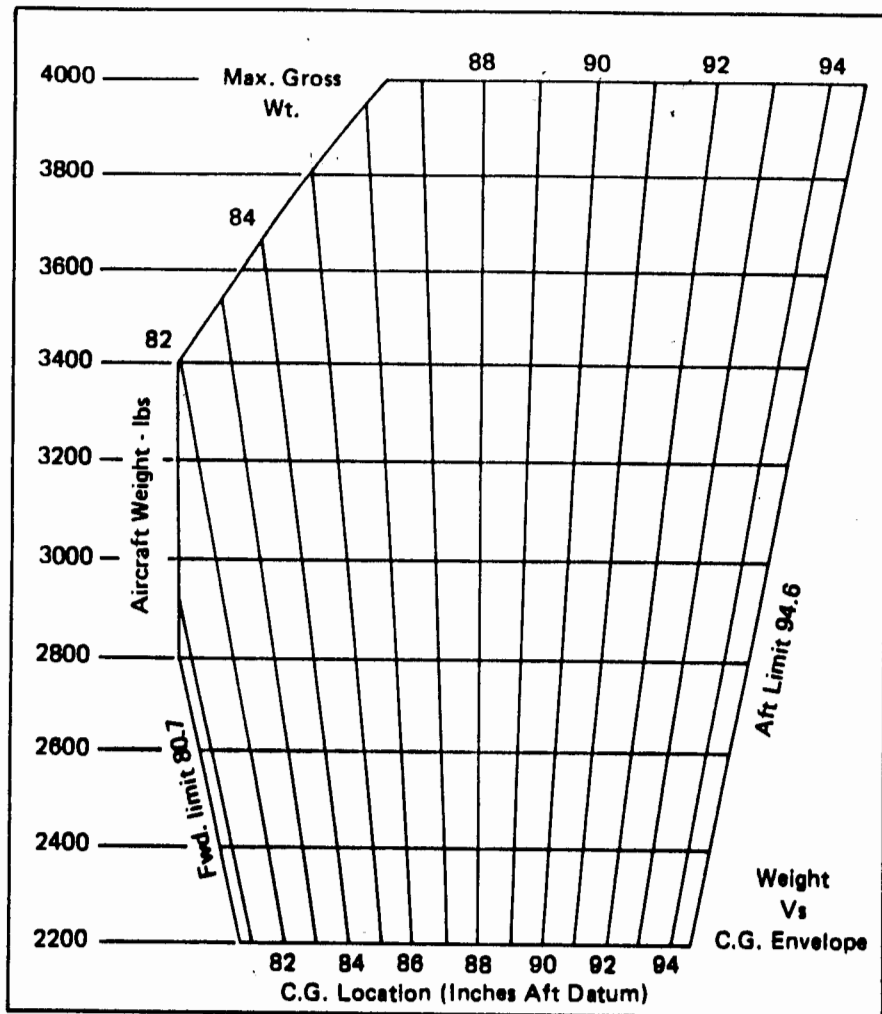
**Instructions For Computing Total Weight and Center of Gravity**

1. Enter all weights as applicable in the "Weight" column
2. Multiply each weight that was entered by its corresponding arm from the "Arm" column and put the result in the "Moment" column.
3. Add all weights to find total weight and fill in below.
4. Add all moments to find total moment.
5. Divide total moments by total weight to find center of gravity (CG) and fill in below.
6. Verify that the total weight and CG fall within the "Weight vs. CG envelope" prior to conducting any flight.

**Total Weight (lbs)**

**Center of Gravity (CG) (in.)**

IT IS THE RESPONSIBILITY OF THE OWNER AND PILOT TO ASCERTAIN THAT THE AIRPLANE ALWAYS REMAINS WITHIN THE ALLOWABLE WEIGHT VS. CENTER OF GRAVITY ENVELOPE WHILE IN FLIGHT.



Moment change due to retracting Landing Gear = - 32 in. -lbs.