## Ace Pilot Training Weight and Balance Computation N8543E PA28-140

Item	Weight (lbs)	Arm (in.)	Moment (in-lbs)
Licensed Empty Weight	1394.76	87.89	122582.85
Pilot and Front Passenger		85.5	
Fuel (50 Gal. Max at 6 lbs per gallon)		95.00	
Baggage Area 1	N/A	117.00	0.00
Baggage Area 2 (100 lbs. Max)*		133.30	
Oil (8 quarts)	15.00	32.50	488.00
Total Loaded Airplane (2150 lbs. Max)		******	

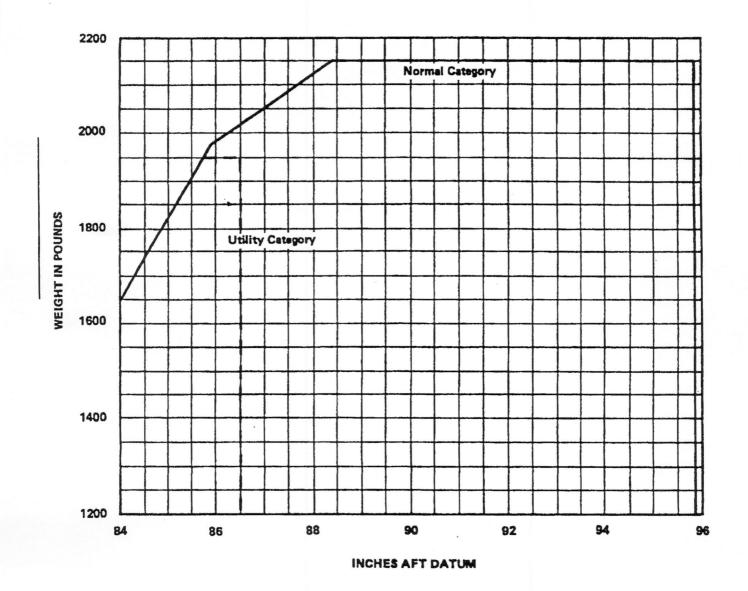
Instructions For Computing Total Weight and Center of Gravity

- 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.)		

updated 9/30/2016

## C. G. RANGE AND WEIGHTS



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MODEL: PA-28-140

ISSUED: MAY 14, 1973 REVISED: MAY 16, 1975