

## Weight & Balance Computation

<b>Acft No.</b>	<b>Acft Type</b>	<b>Max Take-Off GW</b>	<b>Max Ldg. Wt.</b>
<b>N8074E</b>	<b>C-172</b>	<b>2300 Lbs.</b>	<b>2300 Lbs.</b>
FWD C.G Limit @ Max GW 38.5	AFT C.G Limit 47.3	<b>Fuel Wt.</b> <b>6 Lbs/Gal</b>	

ITEM	WEIGHT	X	ARM	=	MOMENT/1000
Licensed Basic Weight	<b>1470.7</b>		<b>38.74</b>		<b>56.975</b>
Pilot & Front Passenger			<b>37.0</b>		
Rear Seat Passengers			<b>73.0</b>		
<b>Fuel (FULL)</b>			<b>47.9</b>		
Baggage (Area 1)			<b>95.0</b>		
Baggage (Area 2)			<b>123.0</b>		
<b>Total Loaded Airplane</b>					

$$C. G = \frac{\text{Total Moments}}{\text{Total Weight}} \times 1000 \quad \text{Loaded Aircraft C.G} =$$

**Useful Load: 818.24 Lbs.**