

N3878S Cessna 172E Weight and Balance

Station	Weight	Arm	Moment
Aircraft Empty Weight	1385.0	39.3	54430.5
Fuel		48.0	
Front Seat		36.0	
Rear Seat		70.0	
Baggage (max 120lbs)		95.0	
Total Weight =		Total Moment =	

Useful Weight – 915.0
Maximum Takeoff Weight – 2300lbs.
 One Gallon of Aviation Fuel = 6 lbs.
 Fuel- 42 gallons Total – 39 gallons Useable

Steps to Complete Weight and Balance for your Flight

1. Aircraft Starting Weight, Arm, Moment
2. Per Station. Weight Multiplied by Arm = Moment
3. Add up all your weight
4. Add up all your Moment
5. Divide Moment by 1000 = Final Moment used for Weight and Balance Chart
6. MOM/ Weight = CG

