

## Aircraft Basic Empty Weight and Balance

**Date:** May 21, 2014  
**Model:** C152  
**Aircraft Serial:** 15283356  
**Registration:** N666UF

Aircraft weighed this date IAW Cessna TCDS 3A19, POH/AFM weight and balance section and AC43.13-1B section 2, utilizing calibrated wheel weighing scales.

Scale S1 reading = 520 lbs.	Right main wheel	Tare = 0 lbs.	Net weight = 520 lbs.
Scale S2 reading = 500 lbs.	Left main wheel	Tare = 0 lbs.	Net weight = 500 lbs.
Scale S3 reading = 346 lbs.	Nose wheel	Tare = 0 lbs.	Net weight = 346 lbs.

Aircraft weighed with **full fuel (26 gallons), 5 qt. Indicated Engine Oil**, no wheel pants installed and no other portable equipment installed. Front seats in full forward position. Aircraft leveled longitudinally and laterally as specified in AFM.

Scale S1 arm = 47  
Scale S2 arm = 47  
Scale S3 arm = (11.5) (as measured)

**Total empty weight as stated = 1366**  
**CG empty weight = 32.18**  
**Total moment = 43961**

Less usable fuel 24.5 gallons = (147) lbs @ arm 42 (6174 moment)

Total weight less fuel as specified = 1219 lbs.  
CG less fuel as specified = 31.0 as weighed  
Total moment = 37787

### **C.G. range**

(+32.65) to (+36.5) at 1670 lb.  
(+31.0) to (+36.5) at 1350 lb. or less  
Straight line variation between points given

**It is the responsibility of the airplane owner and pilot to assure that the airplane is properly loaded. Maximum allowable gross weight is 1675 pounds. See "weight and balance section" for loading instructions.**

David Beaver AP3097750IA



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