

# Aircraft Basic Empty Weight and Balance

**Date:** May 7, 2015  
**Model:** Beechcraft A36  
**Aircraft Serial:** E-1713  
**Registration:** N62GM

Aircraft weighed as equipped this date IAW section VI weight and balance section of Beech Bonanza AFM (dated July 2014), AC43.13-1B section 2, TCDS 3A15 utilizing calibrated wheel weighing scales.

Scale S1 reading = 1455 lbs.	Left main wheel	Tare = 0 lbs.	Net weight = 1455 lbs.
Scale S2 reading = 1425 lbs.	Left main wheel	Tare = 0 lbs.	Net weight = 1425 lbs.
Scale S3 reading = 553 lbs.	Nose wheel	Tare = 0 lbs.	Net weight = 553 lbs.

Aircraft weighed with **full fuel in mains, full fuel in tip tanks**, 11 qt. Indicated Engine Oil, No fire extinguisher installed and no other portable equipment installed. Front seats in forward position. 3<sup>rd</sup> & 4<sup>th</sup> seats installed in 3<sup>rd</sup> notch from forward position, 5<sup>th</sup> & 6<sup>th</sup> seats installed (6 seats total), tray table installed. Aircraft leveled longitudinally and laterally as specified in AFM.

Scale S1 arm = 96.7  
Scale S2 arm = 96.7  
Scale S3 arm = 2.7 (as measured)

**Total weight as stated = 3433**  
**CG stated weight = 81.56**  
**Total moment = 279989.1**

Less usable fuel 74 gallons @ arm 75 (444lbs) (moment 33300), 40 gallons @ arm 89.5 (240lbs) (21480)

**Total empty weight as stated = 2749**  
**CG empty weight = 81.92**  
**Total moment = 225209.1**

\*C.G. Range: (+81) to (+87.7) at 4011 lbs.  
(Landing (+81) to (+87.7) at 3650 lbs.  
Gear Extended) (+74) to (+87.7) at 3100 lbs. 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 3650 pounds in utility category or 4011 in normal category. See "weight and balance section" for loading instructions.**

David Beaver AP3097750



Beaver Air Services & Equipment, Inc.  
8320 F1 Thora Lane  
Spring, Texas 77379

1. To remove the 5<sup>th</sup> or 6<sup>th</sup> seat subtract 16 pounds from station 152