

Textron Aviation Cessna 152 SP Weight & Balance

Pilot In Command must verify all information is correct according to aircraft POH

Date	Mission No	Type	H.P.	Tail. No	CAPF No

Sortie No: **Weight** x **Arm** = **Moment**

Basic Empty Weight: $\frac{1173}{1} \times \frac{29.9}{1} = \frac{35072.7}{1}$

Pilot _____ x 39 = _____

Co-Pilot _____ x 39 = _____

Baggage area 1 (120 lbs MAX) _____ x 64 = _____

Baggage area 2 (40 lbs MAX) _____ x 84 = _____

The maximum combined weight capacity for Baggage Area 1 and Baggage Area 2 is 120 lbs.

Usable Fuel: _____ x 6 lbs / Gallon = _____ x 42 = _____

Total Weight & Moment

AC Color: _____

_____ / _____ = _____

Total Moment Total Weight C.G.

Taxi Fuel: _____ x 6 lbs / Gallon = _____ x 42 = _____

TakeOff Condition: $\frac{\text{Total Moment}}{\text{Total Weight}} = \text{C.G.}$

Trip Fuel: _____ x 6 lbs / Gallon = _____ x 42 = _____

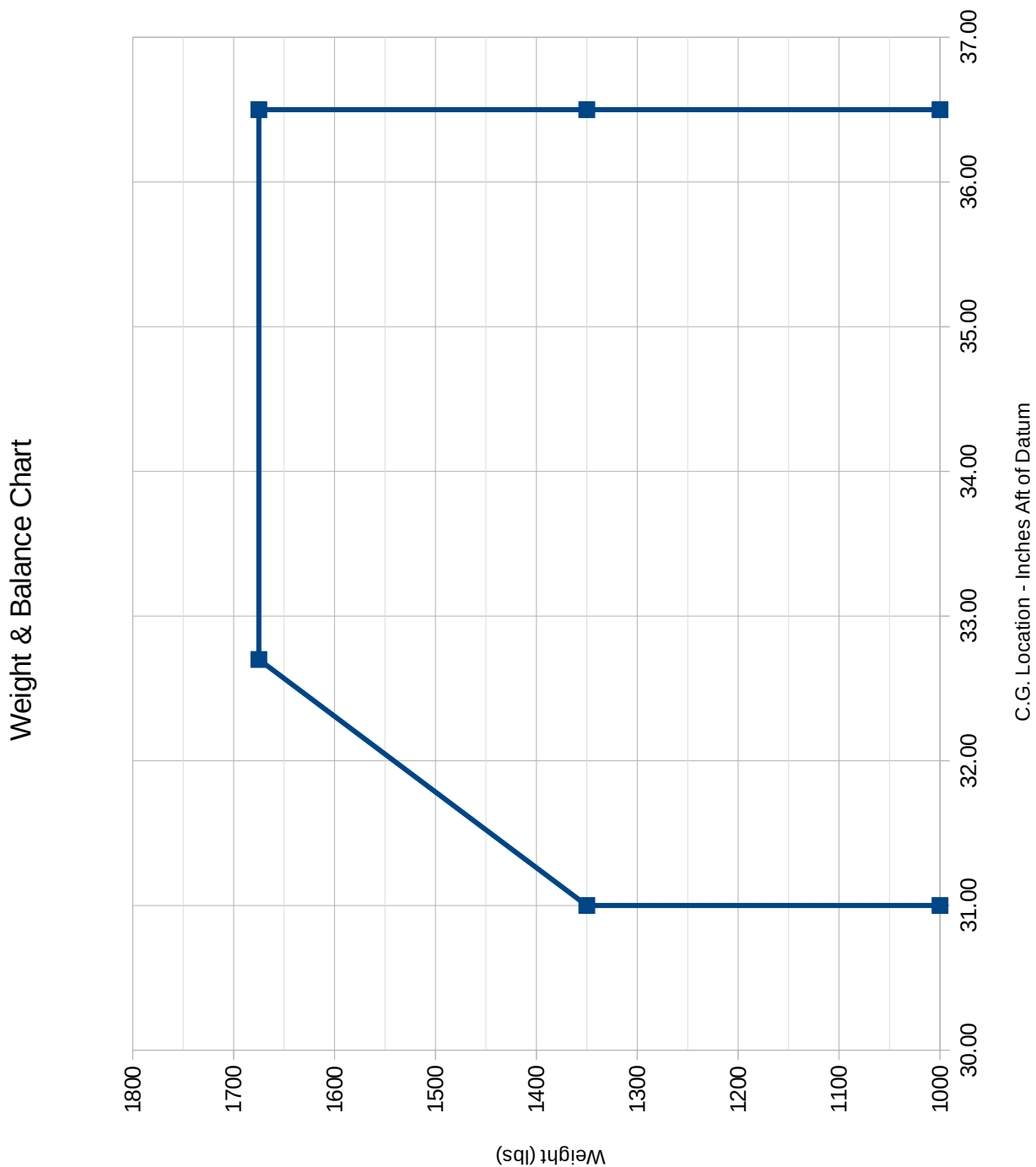
Landing Condition: $\frac{\text{Total Moment}}{\text{Total Weight}} = \text{C.G.}$

Fuel Capacity:

Total Usable:	24.50 US Gallons
Total Usable Each Tank:	12.25 US Gallons

STANDARD AIRPLANE WEIGHTS

Maximum Ramp Weight:	1675 Lbs
Standard Empty Weight (With Oil):	1173 Lbs
Maximum Useful Load:	497 Lbs
Maximum Takeoff Weight:	1670 Lbs
Maximum Landing Weight:	1670 Lbs



You should know

Intended for simulation purposes only!

The weights used in this sheet are adjusted to match the Cessna 152 with JPLogistic C152 mod.

https://github.com/JPLogistics/JPLogistics_C152

The CG diagram and the Arms of loading stations (Pilot, fuel tanks...) were build upon values from generic C152 POH and thus may not be 100% accurate with the simulator aircraft.

If you find any error, have some suggestion, improvement, built sheets for other aircraft based on this one... I will be happy if you let me know at admin@mouseviator.com.