

A2A Cessna 172 R 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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Sortie No: Weight x Arm = Moment

Basic Empty Weight: 1665 x 38.7 = 64435.5

Pilot _____ x 37 = _____

Co-Pilot _____ x 37 = _____

Passenger 1 _____ x 73 = _____

Passenger 2 _____ x 73 = _____

Baggage area 1 (120 lbs MAX) _____ x 95 = _____

Baggage area 2 (50 lbs MAX) _____ x 123 = _____

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

The A2A Cessna does not have Baggage Area 1, use Area 2 with limits of Area 1 (120 Lbs)

Usable Fuel: _____ x 6 lbs / Gallon = _____ x 48 = _____

Total Weight & Moment _____ _____

AC Color: _____ / _____ = _____
Total Moment Total Weight C.G.

Taxi Fuel: _____ x 6 lbs / Gallon = _____ x 48 = _____

TakeOff Condition: _____ / _____ = _____
Total Moment Total Weight C.G.

Trip Fuel: _____ x 6 lbs / Gallon = _____ x 48 = _____

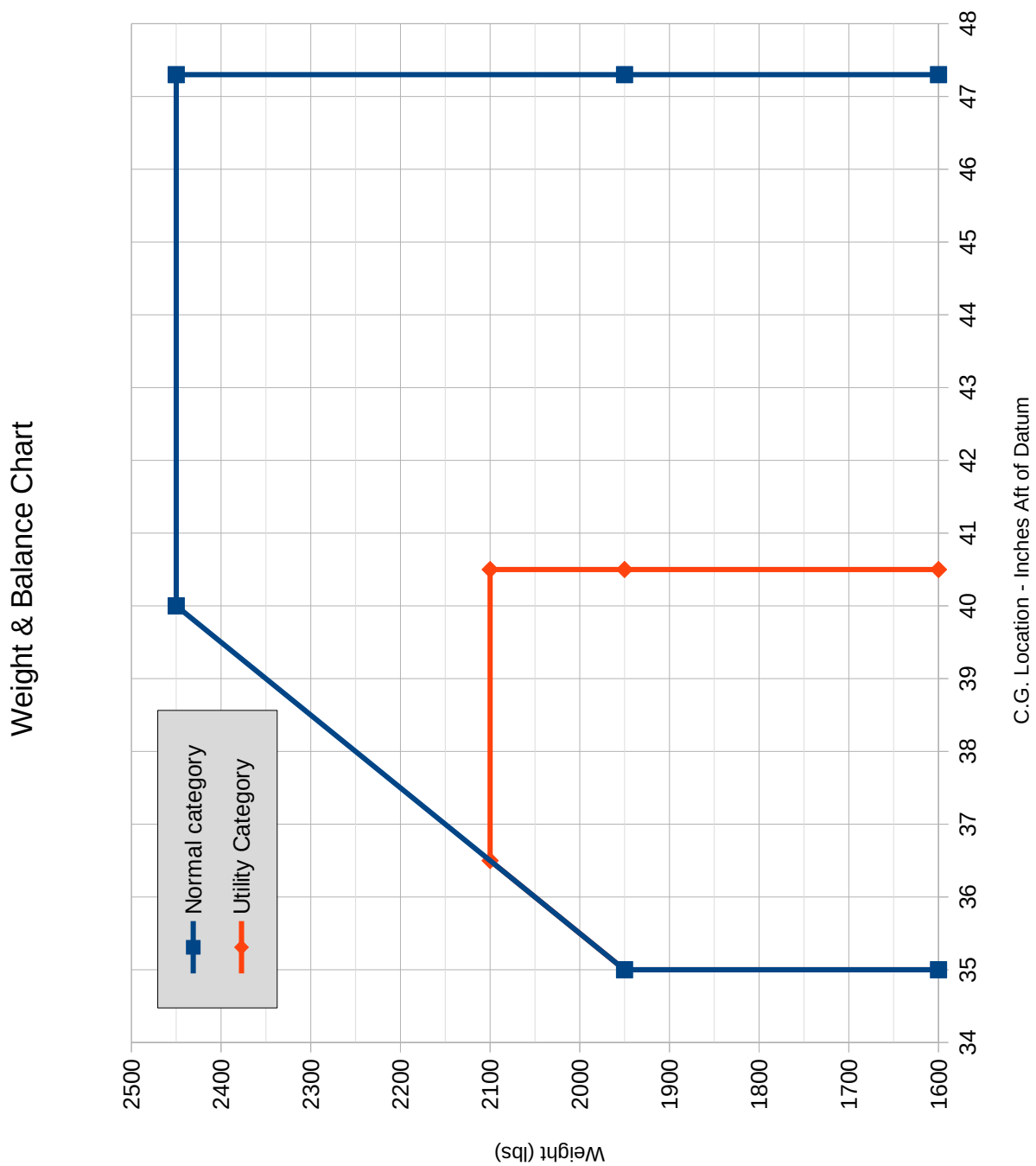
Landing Condition: _____ / _____ = _____
Total Moment Total Weight C.G.

Fuel Capacity:

Total Usable: 53.0 US Gallons
Total Usable Each Tank: 26.5 US Gallons

STANDARD AIRPLANE WEIGHTS

Maximum Ramp Weight (Normal Category):	2457 Lbs
Maximum Ramp Weight (Utility Category):	2107 Lbs
Standard Empty Weight (With Oil):	1665 Lbs
Maximum Useful Load (Normal Category):	792 Lbs
Maximum Useful Load (Utility Category):	442 Lbs
Maximum Takeoff Weight (Normal Category):	2450 Lbs
Maximum Takeoff Weight (Utility Category):	2100 Lbs
Maximum Landing Weight (Normal Category):	2450 Lbs
Maximum Landing Weight (Utility Category):	2100 Lbs



You should know

Intended for simulation purposes only!

The weights used in this sheet are adjusted to match the A2A Cessna 172 R for Prepar3D.

The CG diagram and the Arms of loading stations (Pilot, fuel tanks...) were build upon values from A2A manual for A2A Cessna 172 R and generic C172R POH. But I do not know how the calculations in the loading panel itself within P3D is done, so this sheet may not match 100% to what you will get within the P3D.

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.