

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 style="width: 100%;" type="text"/> |

| | | | | | | | |
|--------------------|---|----------------------------|---------------|---|------------|---|---|
| Sortie No: | <input style="width: 100%;" type="text"/> | | Weight | x | Arm | = | Moment |
| | | Basic Empty Weight: | 1665 | x | 38.7 | = | 64435.5 |
| Pilot | <input style="width: 100%;" type="text"/> | | | x | 37 | = | <input style="width: 100%;" type="text"/> |
| Co-Pilot | <input style="width: 100%;" type="text"/> | | | x | 37 | = | <input style="width: 100%;" type="text"/> |
| Passenger 1 | <input style="width: 100%;" type="text"/> | | | x | 73 | = | <input style="width: 100%;" type="text"/> |
| Passenger 2 | <input style="width: 100%;" type="text"/> | | | x | 73 | = | <input style="width: 100%;" type="text"/> |
| | Baggage area 1 (120 lbs MAX) | | | x | 95 | = | <input style="width: 100%;" type="text"/> |
| | Baggage area 2 (50 lbs MAX) | | | x | 123 | = | <input style="width: 100%;" type="text"/> |

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: / = C.G.

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

TakeOff Condition: / = C.G.

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

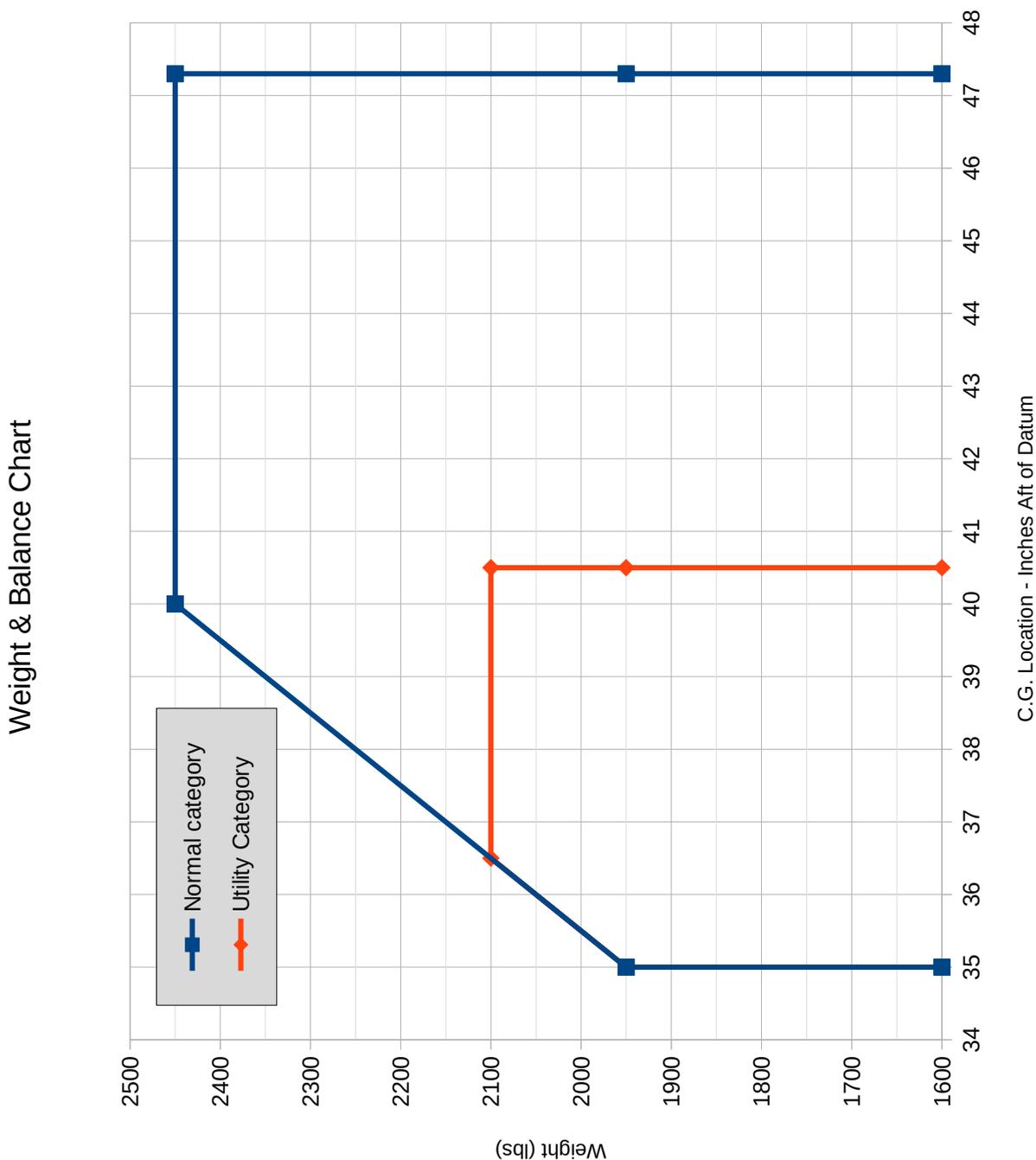
Landing Condition: / = C.G.

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.