



N974TA WEIGHT AND BALANCE

N974TA	Weight Pounds (lb)	Arm Inches (in)	Moment lbin.
Empty Aircraft	1,686.61	40.41 (Empty CG)	68,158.19
Pilot and Passenger		34 to 46*	
Rear Passenger		73	
Baggage Area 1		95	
Baggage Area 2		123	
Fuel Tanks		48	
Total Weight		Total Moment	

* Front Seats can be adjusted to estimated arm.

Total Moment ÷ Total Weight = CG

CG =

Instructions:

1. Add the weights of all the things loaded into the aircraft to the empty weight of the aircraft. This gives you your total weight.
2. Calculate the moment of each item loaded into the aircraft. (Weight x Arm)
3. Add the moments together including the moment of the empty aircraft.
4. Divide the total moments by the total weights to calculate your Center of Gravity. (CG)

NOTE:

Fuel Weights 6 lbs/gallon

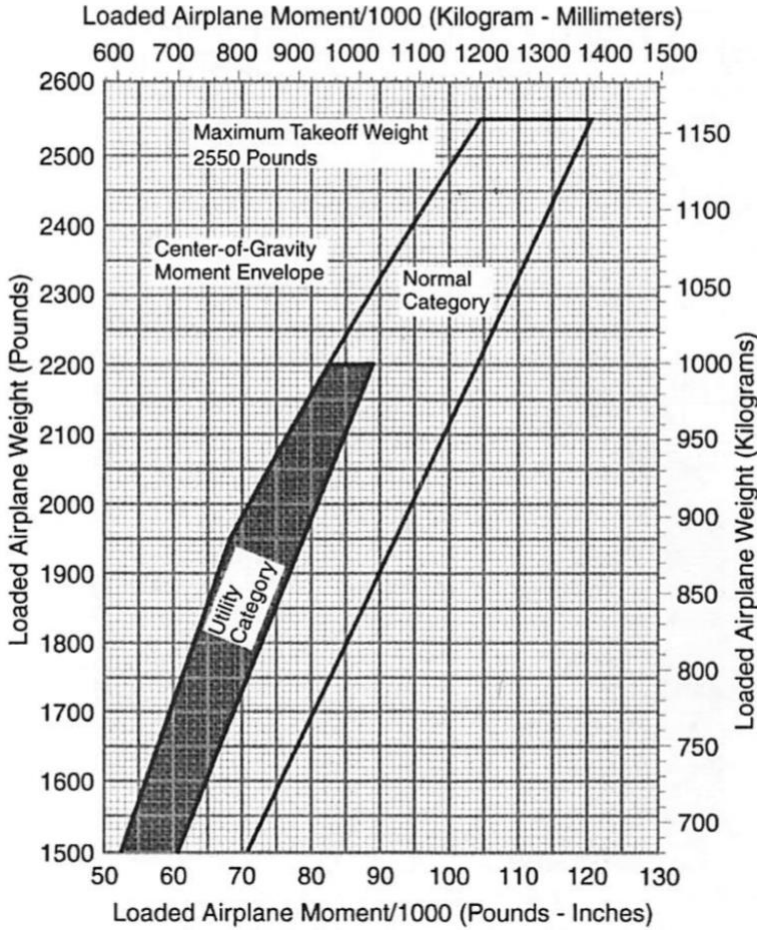
Max Takeoff Weight: 2550 lbs

Max Weight in Baggage Area1: 120 lbs **Baggage Area 2:** 50 lbs

This maximum gross weight of 2550 lbs must be never exceeded!

CENTER OF GRAVITY MOMENT ENVELOPE

B4077



SECTION 6
 WEIGHT AND BALANCE/
 EQUIPMENT LIST

CESSNA
 MODEL 172S NAV III
 KAP 140 AUTOPILOT

CENTER OF GRAVITY LIMITS

B4078

