



N9378D WEIGHT AND BALANCE

N9378D	Weight Pounds (lb)	Arm Inches (in)	Moment lbin.
Empty Aircraft	1,752.00	39.26 (Empty CG)	68,781.96
Pilot and Passenger		34 to 46*	
Rear Passengers		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:

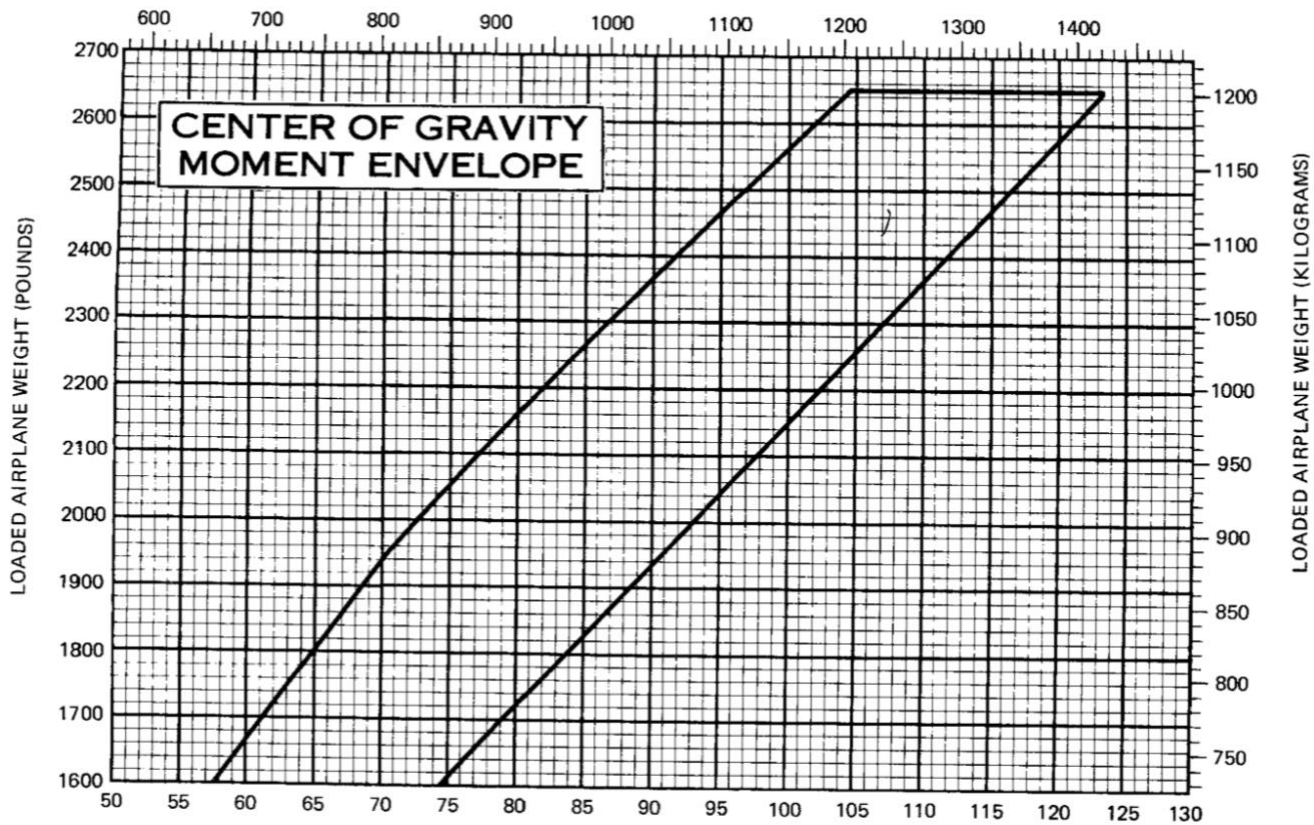
Fuel Weights 6 lbs/gallon

Max Takeoff Weight: 2650 lbs

Max Weight in Baggage Area 1: 200 lbs Baggage Area 2: 50 lbs

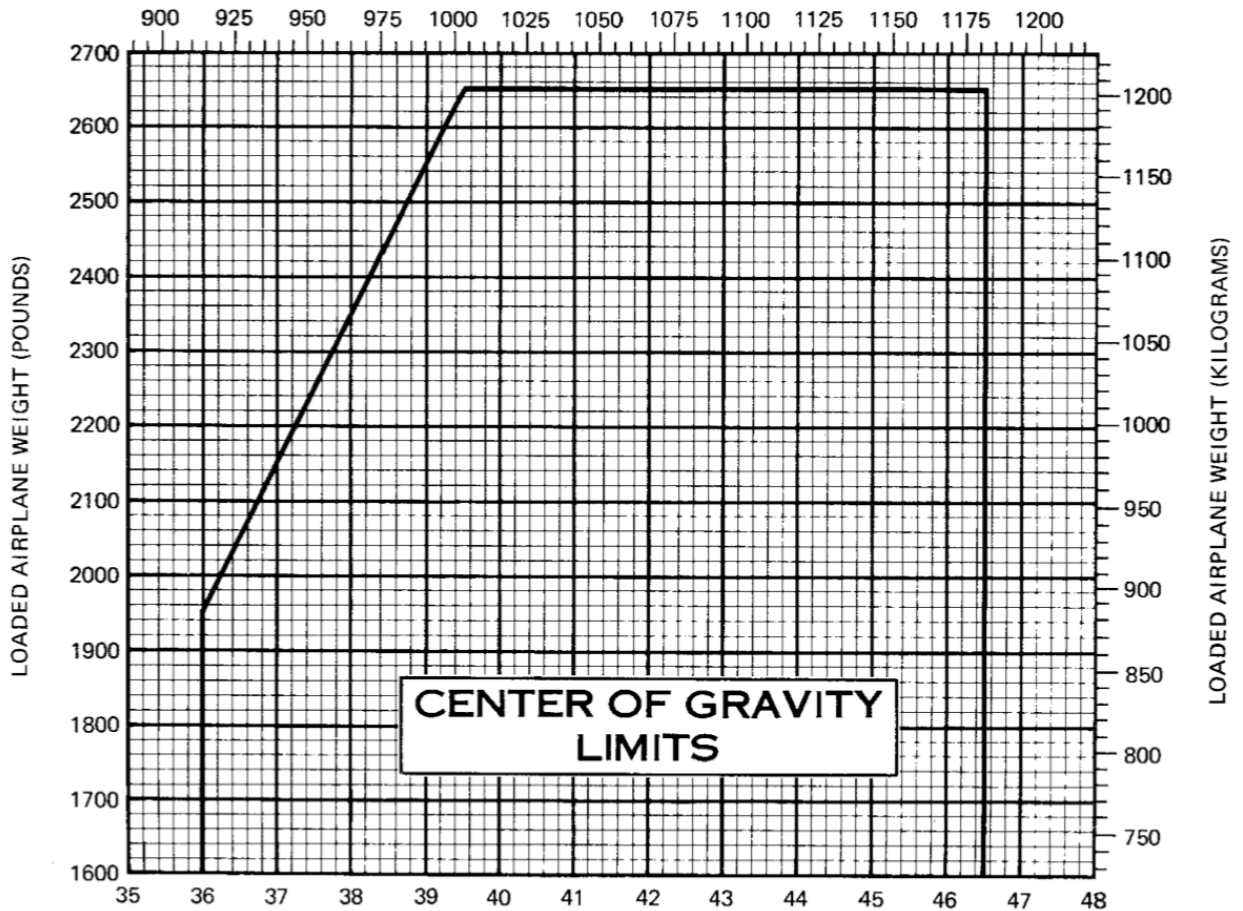
This maximum gross weight of 2650 lbs must be never exceeded!

LOADED AIRPLANE MOMENT/1000 (KILOGRAM-MILLIMETERS)



LOADED AIRPLANE MOMENT/1000 (POUND-INCHES)

AIRPLANE C.G. LOCATION - MILLIMETERS AFT OF DATUM (STA. 0.0)



AIRPLANE C.G. LOCATION - INCHES AFT OF DATUM (STA. 0.0)

SANTA MONICA FLYERS