

N385MR WEIGHT AND BALANCE

	Weight Pounds (lb)	Arm Inches (in)	Moment lbin.
Empty Weight	812.65	17.82(Empty CG)	14,479.00
Pilot and Passenger		27.6	
Baggage Compartment A		51.6	
Wing Lockers		23.6	
Fuel Tanks		7.1	
Total Weight:		Total Moment:	

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 6lbs/gallon

Max Takeoff Weight: 1,320 lbs

Max Weight in Baggage Compartment A: 40 lbs

Note that the use of Baggage Compartment B is prohibited

Max Weight in Each Wing Locker: 44 lbs

Operating CG Range: 15.94 to 20.67 inches aft of datum

THIS MAXIMUM GROSS WEIGHT OF 1320 LBS MUST NEVER BE EXCEEDED!!