

Weight & Balance Computation

Acft No.	Acft Type	Max Take-Off GW	Max Ldg. Wt.
N2916W	PA-44-180	3800Lbs.	3800 Lbs.
FWD C.G Limit @ Max GW 89.0	AFT C.G Limit 93.0	Fuel Wt. 6 Lbs/Gal	
Fwd C.G. Limit @ 3400 Lbs 85.0	AFT C.G Limit 93.0		

ITEM	WEIGHT	X	ARM	=	MOMENT/1000
Licensed Basic Weight	2520.9		85.9		216.54
Pilot & Front Passenger			80.5		
Rear Seat Passengers			118.1		
Fuel (FULL)			95.0		
Baggage (Aft)			142.8		
Total Loaded Air Name					

C. G = $\frac{\text{Total Moments}}{\text{Total Weight}} \times 1000$ Loaded Aircraft C.G =

Accelerate/Stop Distance _____ Take Off Ground Run _____

Total Distance _____

Weight Shift Formula: $\Delta CG = \frac{\text{Wt Shifted} \times \text{Distance Moved}}{\text{Total Weight}}$

Name (Print) _____

Signature _____ Date _____