

Weight and Balance - N8883Y

Airport ID _____
 Field Elevation _____
 Pressure _____
 Temp _____
 Winds _____

T/O Weight Vs _____
 T/O Weight Vso _____
 Red Line Vmc _____
 Blue Line Vyse _____
 Vfe _____
 Vle _____
 Va _____
 Va _____

Pressure Altitude _____

$\{(29.92 - \text{Current Pressure}) \times 1000\} + \text{Field Elevation} = \text{Pressure Altitude}$

Density Altitude _____

$(\text{Pressure Altitude} + \{(120 \times (\text{OAT C} - \text{ISA C at Current Elevation}))\}) = \text{Density Altitude}$

	Weight	Arm	Moment	Max Weights
Basic Empty Weight	2639		221653.7	
Oil	30	51	1530	
Pilot & Front Passenger		84.8		
Center Passengers		120.5		
Baggage		142		250
Zero Fuel Weight				
Main Tanks (54 gal useable)		90		324
Aux Tanks (30 gal useable)		95		180
Tip Tanks (30 gal useable)		90.5		180
Total Ramp Weight		90		
Start, Taxi & Run-up Fuel Burn	-18	90	-1620	
Total Takeoff Weight				3600 or 3725

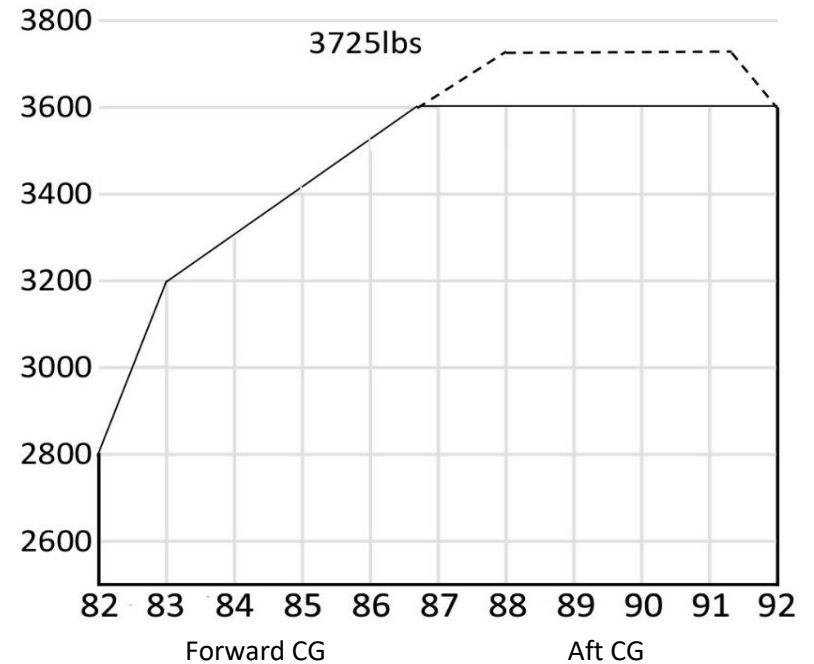
Zero Fuel Weight - FROM ABOVE				
Main Tanks (54 gal useable)		90		
Aux Tanks (30 gal useable)		95		
Tip Tanks (30 gal useable)		90.5		
Total Landing Weight				3600

Takeoff weight can only exceed 3600lbs to 3725lbs if there is 125lbs of fuel in the tip tanks

Performance Calculations

Takeoff Ground Roll _____
 Takeoff Distance over 50ft Obstacle _____
 Accelerate Stop Distance _____
 Multi Engine Climb Rate _____ FPM
 Single Engine Climb Rate _____ FPM
 Difference Between Climb Rates _____ %
 Single Engine Service Ceiling _____

Landing Ground Roll _____
 Landing Distance over 50ft Obstacle _____



	Weight	CG	Weight	CG
Envelope	2500	82	2500	92
Definition:	2800	82	3600	92
	3200	83	3725	91.38
	3600	86.5		
	3725	87.62		