



N6716Z

Station	Weight		Arm		Moment
Plane	2615.54		110.39		288,738.78
Front Seats		x	105**	=	
Back Seats		x	144	=	
Baggage Area	+	x	167	=	+
Zero Fuel Weight	SUM		CG		SUM
Fuel	+	x	117	=	+
Total Weight	SUM		CG		SUM

**Front Seats arm changes with position.
Forward Position 105 in, Aft Position 112 in.

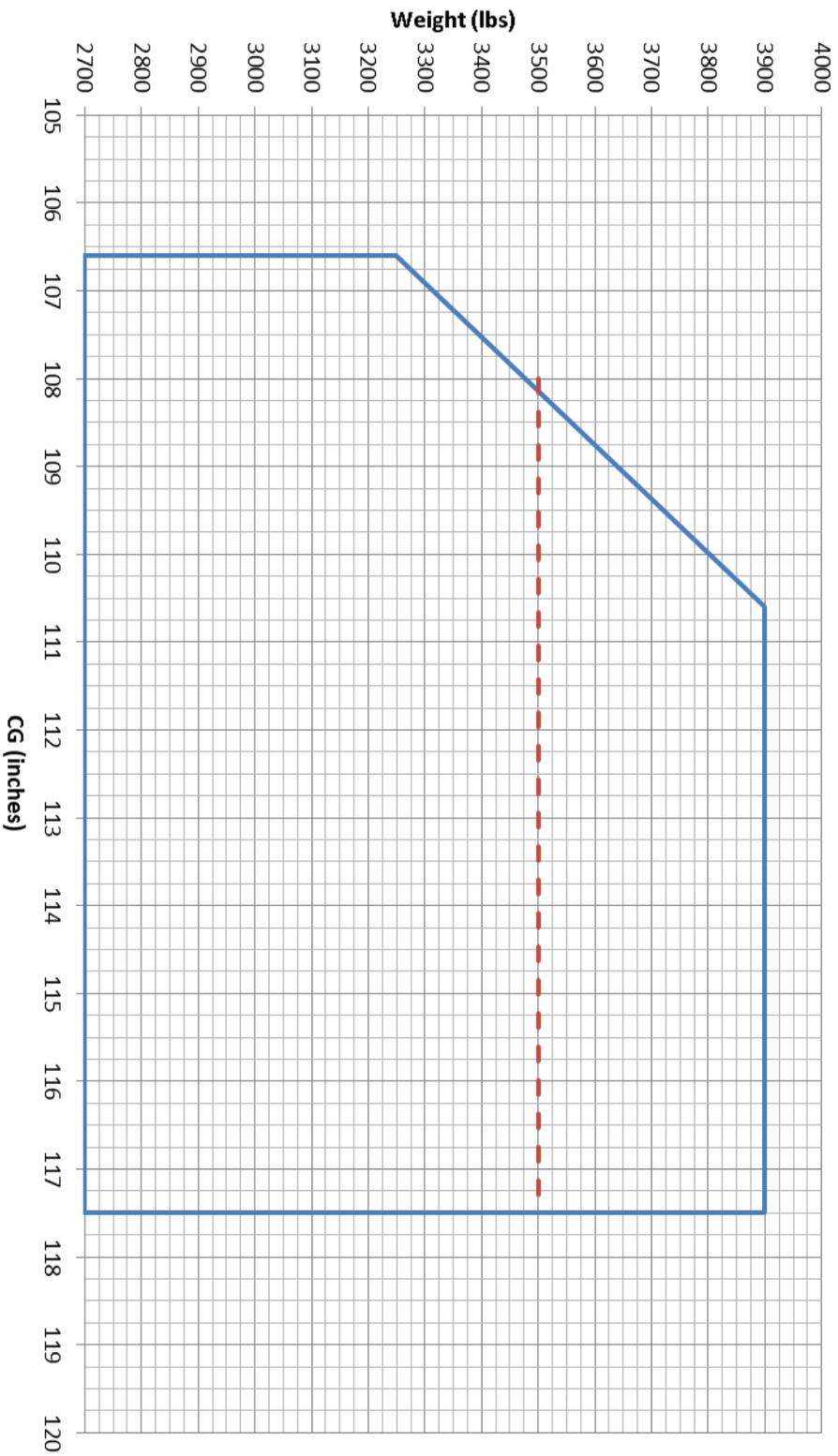
$$\text{MOMENT} = \text{WEIGHT} \times \text{ARM}$$

$$\text{CG} = \text{MOMENT} / \text{WEIGHT}$$

$$\frac{\text{WEIGHT TO BE SHIFTED}}{\text{TOTAL WEIGHT}} = \frac{\Delta \text{CG}}{\text{DISTANCE WEIGHT IS SHIFTED}}$$

NOTE: Should information herein conflict with that in the FAA-approved Flight Manual, the flight manual should take precedence.

CG Range (Landing Gear Extended)



— CG Envelope

- - - Max Zero Fuel Weight

Landing Gear retraction
moment -1177 in-lbs

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