

# Airplane Factory SLING LSA

## Weight & Balance

### 6.5 Blank form and graph for use

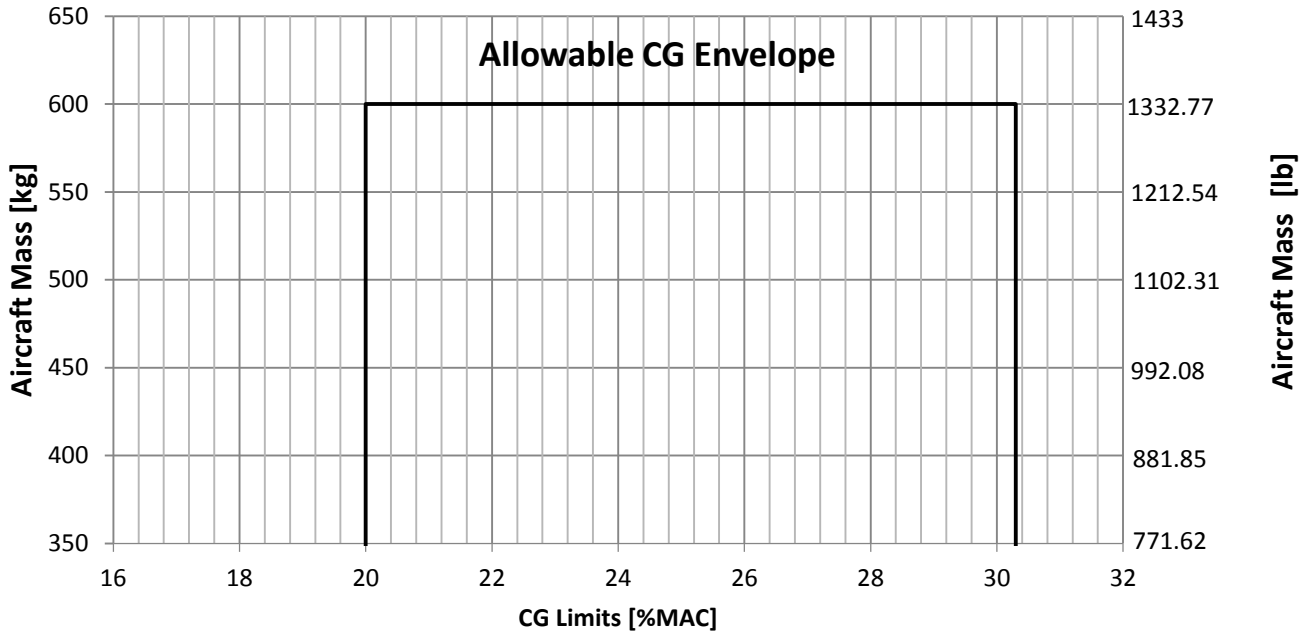
	WEIGHT lb	ARM ft	MOMENT (weight x arm) lb.ft
<b>PILOT &amp; PASSENGER</b>		6.427	
<b>BAGGAGE (FRONT)</b>		8.228	
<b>BAGGAGE (REAR)</b>		9.501	
<b>FUEL</b>		4.957	
<b>EMPTY VALUES</b>	876		6192.05
<b>TOTAL</b>			
	$W_T =$		$M_T =$
			$CG =$ $\%MAC$

$$CG = \frac{\text{Total Moment Arm } (M_T)}{\text{Total Weight } (W_T)} =$$

$$\%MAC = \frac{CG \text{ _____ } - 4.482 \text{ ft}}{4.393 \text{ ft}} \times 100 =$$

CG Range is 5.364 ft to 5.814 ft aft of the reference datum (20 to 30.3% of MAC)

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## MAXIMUM WEIGHTS

Maximum take-off weight: 1320 lbs.  
 Maximum landing weight: 1320 lbs.  
 Maximum baggage weight: 77 lbs.  
 Front luggage compartment max. 55 lbs.  
 Rear luggage compartment max. 55 lbs.

## STANDARD WEIGHTS

Standard empty weight: 876 lbs.  
 Maximum useful load: 444 lbs.

## FUEL CONSUMPTION

	4500 RPM	4800 RPM	5000 RPM	5300 RPM	5500 RPM
U.S. GALLONS	3.7gal/hr	4.2 gal/hr	4.8 gal/hr	5.3 gal/hr	5.5 gal/hr

## PERFORMANCE DATA

VR : 50 KTS                      BEST GLIDE:                      72 KTS  
 VS0: 40 KTS                    MAX. CROSSWIND:              15 KTS  
 VS1: 45 KTS                    SERVICE CEILING:                12,000 FT  
 VFE: 85 KTS  
 VX: 65 KTS  
 VY: 72 KTS  
 VA: 91 KTS  
 VNO: 110 KTS  
 VNE: 135 KTS