

N9885M

SAMPLE LOADING PROBLEM

	SAMPLE AIRPLANE		N9885M	
	WEIGHT (LBS)	MOMENT (LBS-IN) /	WEIGHT (LBS)	MOMENT (LBS-IN) /
1 BASIC EMPTY WEIGHT (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1817.7	64.4	1817.7	64.4
2 USEABLE FUEL (at 6 lbs / gal) long range tanks 75 gal maximum	450.0	21.6		
3 PILOT & FRONT PASSENGER (station 32 to 50)	340.0	12.6		
4 REAR PASSENGERS	260.0	19.2		
5 BAGGAGE (AREA "A") OR PASSENGER ON CHILD'S SEAT (station 82 to 108) 120 lbs max	75.0	7.1		
6 BAGGAGE - AFT (AREA "B") AND HATSHelf (station 108 to 136) 80 lbs max	25.0	3.1		
7 WHEEL FAIRINGS REMOVED	-18.4	0.8		
8 RAMP WEIGHT AND MOMENT (Note 1)	2949.3	128.8		
9 AFT DATUM - NOT TO EXCEED 46 (Moment ÷ Weight x 1000)	Note 2	43.7		

Note 1 - Locate this point (2949.3 at 128.8) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.

Note 2 - Locate this point (2949.3 at 43.7) on the Center of Gravity Limits, and since this point falls within the envelope, the loading is acceptable.