

WEIGHT AND BALANCE DATA

Make: Vans Aircraft

Model RV-7A

Serial #: 70941

Registration: N192TX

Maximum Weights:

Aerobatic Category.....1600 Lbs

Utility Category.....1700 Lbs

Normal Category.....1800 Lbs

Datum= 70 inches forward of wing leading edge (LE)

Design C.G. Range = 15% to 29% of wing chord

8.7" to 16.82" from LE

78.7" to 86.82" aft of Datum

Wing L.E. = 70" aft of Datum

Main wheel right = 93.96" aft of Datum

Main wheel left = 93.96" aft of Datum

Nose wheel = 39.11" aft of Datum

Fuel.....80" aft of Datum

Pilot & Passenger.....97.48" aft of Datum

Baggage.....126.78" aft of Datum

Aircraft weighed empty in level flight attitude

(Includes 8 qts. of oil, no fuel)

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Sample:

	Weight	Arm	Moment
Aircraft	1092		88,891.82
Fuel(6lbs/gal)	252	80	20,160
Pilot	185	97.48	18,033.80
Passenger	170	97.48	16,571.60
Baggage	76	126.78	9,635.28
Total	1775		153,292.50

CG = Total Moment / Total Weight

CG = 86.36 inches aft of datum

CG Range = 78.7" to 86.82" aft of Datum

Empty CG = 81.40" Empty Weight = 1092