

Date:

Registration: N890GF

Builder: Fahmy, George W. S.

Model: Vans RV-7

Serial #: F-01

Datum: 70" forward of leading edge of the wing (arm measurements taken from this point)

Max Gross Weight: 1800 pounds (lbs)

Max Aerobatic Gross Weight: 1600 pounds (lbs)

CG Range: 78.70" - 86.82" (inches)

Aerobatic Aft CG limit: 84.5"

Empty Weight / CG:

	Weight (lbs)	Arm (in)	Moment (in.lbs)
Left Main Wheel	488.59	68.45	33,443.9855
Right Main Wheel	491.80	68.45	33,663.71
Tailwheel	75.45	249.19	18,801.3855
Weight	1055.84	81.37	85,913.7008
CG Location		32.88% (of envelope)	

Most Aft Weight / CG

	Weight (lbs)	Arm (in)	Moment (in.lbs)
Aircraft Empty Weight	1055.84	81.37	85,913.7008
Pilot Seat	230	97.48	22,420.4
Passenger Seat	230	97.48	22,420.4
Baggage	20	126.78	2,535.6
Fuel	240	80	19,200
Weight	1775.84	85.87	152,491.3808
CG Location			

Most Forward Weight / CG

	Weight (lbs)	Arm (in)	Moment (in.lbs)
Aircraft Empty Weight	1055.84	81.37	85,913.7008
Pilot Seat	230	97.48	22,420.4
Fuel	252	80	20,160
Weight	1537.84	83.55	128,494.10008
CG Location		59.73% (of envelope)	

Aerobatic Gross Weight / CG (aft limit at 84.5")

	Weight (lbs)	Arm (in)	Moment (in.lbs)
Aircraft Empty Weight	1055.84	81.37	85,913.7008
Pilot Seat	230	97.48	22,420.4
Fuel	180	80	14,400
Weight	1465.84	83.73	122,734.1
CG Location			

Flight Test Weight / CG

	Weight (lbs)	Arm (in)	Moment (in.lbs)
Aircraft Empty Weight	1055.84	81.37	85,913.7008
Pilot Seat	230	97.48	22,420.4
Fuel	252	80	20,160
Weight	1537.84	83.55	128,494.10008
CG Location		59.73% (of envelope)	