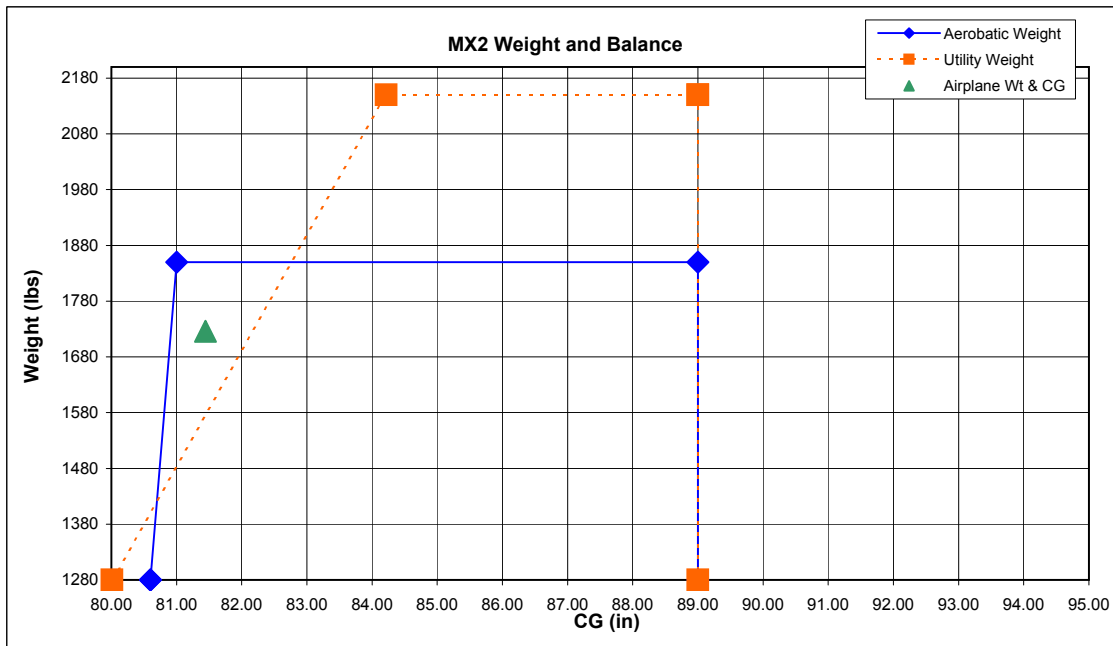


MX2 Weight and Balance Single Pilot Full Fuel

Serial Number **12** Weighed Level Flight, 8qts Oil, Undrainable Fuel MTV9 203-25

CG Envelope				Weight (lb)	Moment Arm (in)	Moment (in-lb)		
CG	Aerobatic Weight	Utility Weight	Airplane Wt & CG	Empty Weight	1174	76.01	89235.74	
80.60	1280			Main Fuel (gal)	17	102	6936	
80.60	1280			Wing Fuel (gal)	40	240	17520	
81.00	1850			Pilot		210	128.00	26880
89.00	1850			PAX 1		0	98.00	0
89.00	1280			Smoke Oil	0	0	90.00	0
80.01		1280		Baggage	0	0	140.00	0
84.22		2150		Gross Weight	1726.0			
89.00		2150		Total Moment	140571.7			
89.00		2150		CG	81.44			
89.00		1280						
81.44			1726					

Default Values
Input Values
Calculated Values



MXR TECHNOLOGIES, INC. MX2 Operating Limitations

HEIGHT (FT)	6
LENGTH (FT)	21.5
WING SPAN (FT)	24
WING AREA (FT)	102
EMPTY WEIGHT (LBS)	1280
GROSS WEIGHT (LBS)	2150
MAX ACRO WEIGHT	1850
ACRO WEIGHT ULTIMATE LOADING	+/- 16Gz
ELEVATOR DEFLECTION (DEG)	+/- 33
RUDDER DEFLECTION (DEG)	+/- 30
AILERON DEFLECTION (DEG)	+/- 25
ENGINE (HP)	313
STALL SPEED	58 KTS.
MAX SPEED, Vne	220 KTS.
VERTICAL PENETRATION	3500 FT
PILOT SIZE RANGE	5'2" TO 6'4"
PILOT WEIGHT RANGE	UP TO 290 LBS
SEATBACK TO PANEL - REAR	21 IN
SEAT LAYBACK ANGLE (DEG)	45
RUDDER PEDAL ADJUSTMENT - REAR	7 i n.
FUEL CAPACITY (US GALS)	57 Useable