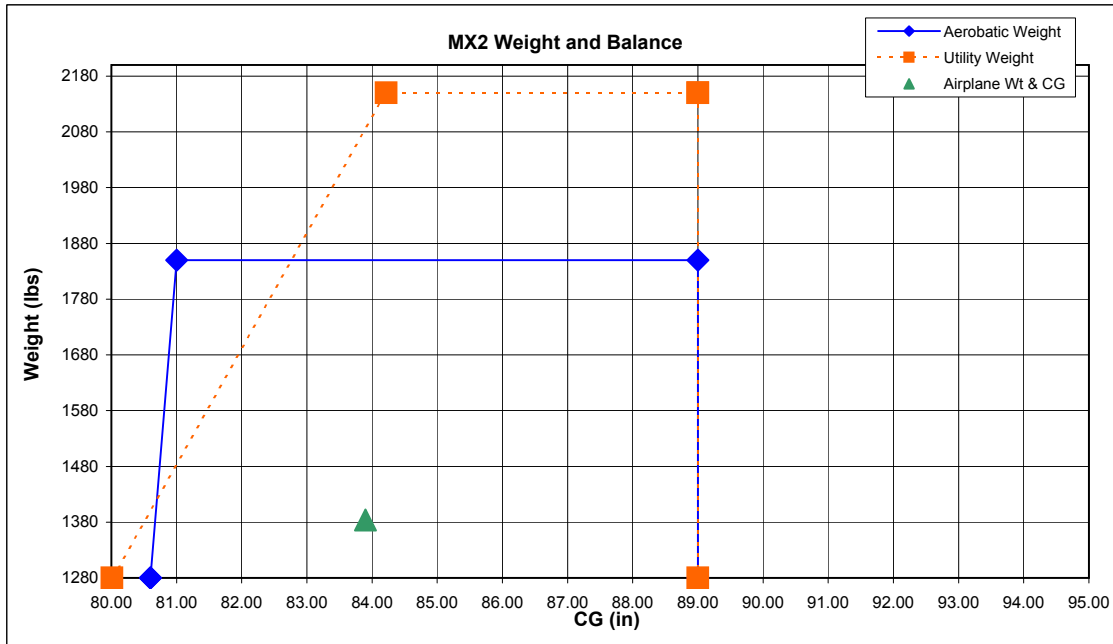


**MX2 Weight and Balance Single Pilot No Fuel**

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

CG Envelope				Weight (lb)	Moment Arm (in)	Moment (in-lb)
CG	Aerobic Weight	Utility Weight	Airplane Wt & CG	Empty Weight	1174	76.01
80.60	1280			Main Fuel (gal)	0	68.00
80.60	1280			Wing Fuel (gal)	0	73
81.00	1850			Pilot	210	128.00
89.00	1850			PAX 1	0	98.00
89.00	1280			Smoke Oil	0	90.00
80.01		1280		Baggage	0	140.00
84.22		2150		Gross Weight	1384.0	
89.00		2150		Total Moment	116115.7	
89.00		2150		CG	83.90	
89.00		1280				
83.90			1384			

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