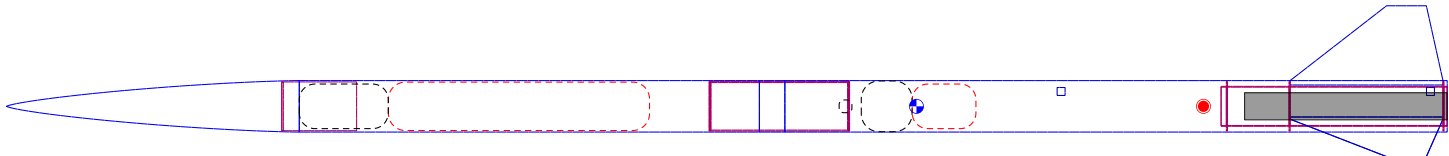


# Rocket Design



Wildman Extreme L3 Cert Rocket

Stages: 1

Mass (with motor): 347 oz

Stability: 5.58 cal

CG: 71.456 in

CP: 93.991 in

## M1230-IM-P

Altitude	12548 ft	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	213 s	M1230-IM	1185 N	4.64 s	1507 N	5499 Ns	9.09:1	106 oz	2.95/24.4 in
Time to Apogee	26.5 s								
Velocity off Pad	62.4 ft/s								
Max Velocity	1171 ft/s								
Velocity at Deployment	88.9 ft/s								
Landing Velocity	17.1 ft/s								

## K445-17

Altitude	3231 ft	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	112 s	K445	445 N	3.67 s	665 N	1636 Ns	4.61:1	29.1 oz	2.13/15.9 in
Time to Apogee	15.2 s								
Velocity off Pad	46.2 ft/s								
Max Velocity	428 ft/s								
Velocity at Deployment	83.2 ft/s								
Landing Velocity	15.8 ft/s								