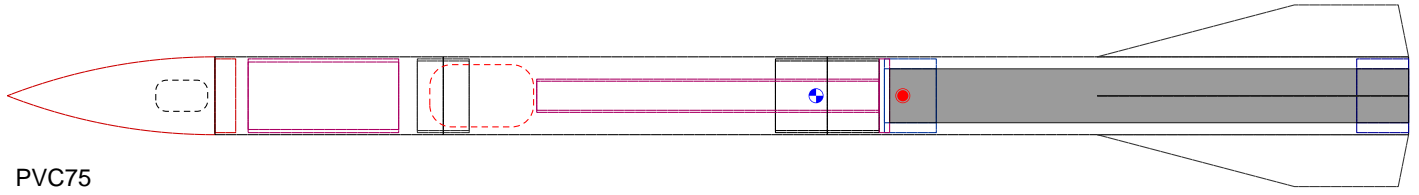


## Rocket Design



PVC75

Stages: 1

Mass (with motor): 3714 g

Stability: 1,11 cal













CG: 779 mm

CP: 863 mm

Altitude	1163 m	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	78,6 s								
Time to Apogee	15,1 s	J495	487 N	1,4 s	605 N	680 Ns	13,37:1	550 g	52/500 mm
Velocity off Pad	31,6 m/s								
Max Velocity	178 m/s								
Landing Velocity	18 m/s								

Parts Detail

Sustainer

	Varf	Birch (0,67 g/cm³)	Ogive	Len: 200mm	Mass: 346g
	Greutate		Dia <sub>out</sub> 30mm		Mass: 200g
	Sectiune Superioara	PVC (1,39 g/cm³)	Dia <sub>in</sub> 71mm Dia <sub>out</sub> 75mm	Len: 220mm	Mass: 140g
	E-Bay	PVC (1,39 g/cm³)	Dia <sub>in</sub> 65mm Dia <sub>out</sub> 71mm	Len: 145mm	Mass: 275g
	Cuplaj Superior	PVC (1,39 g/cm³)	Dia <sub>in</sub> 67mm Dia <sub>out</sub> 71mm	Len: 50mm	Mass: 30g
	Sectiune Mijloc	PVC (1,39 g/cm³)	Dia <sub>in</sub> 71mm Dia <sub>out</sub> 75mm	Len: 370mm	Mass: 269g
	Cuplaj Tub	PVC (1,39 g/cm³)	Dia <sub>in</sub> 67mm Dia <sub>out</sub> 71mm	Len: 100mm	Mass: 150g
	Parasuta	Silk (60 g/m²)	Dia <sub>out</sub> 500mm	Len: 100mm	Mass: 63g
	Shroud Lines	Thread (heavy-duty) (0,3 g/m)	Lines: 6	Len: 700mm	
	Piston Ejectare Parasuta	PVC (1,39 g/cm³)	Dia <sub>in</sub> 28mm Dia <sub>out</sub> 32mm	Len: 330mm	Mass: 208g
	Sectiune Inferioara	PVC (1,39 g/cm³)	Dia <sub>in</sub> 71mm Dia <sub>out</sub> 75mm	Len: 560mm	Mass: 423g
	Inel Centrare Superior	PVC (1,39 g/cm³)	Dia <sub>in</sub> 52mm Dia <sub>out</sub> 71mm	Len: 50mm	Mass: 100g
	Inel Centrare Inferior	Maple (0,76 g/cm³)	Dia <sub>in</sub> 52mm Dia <sub>out</sub> 71mm	Len: 50mm	Mass: 100g
	Capac	Plywood (birch) (0,63 g/cm³)	Dia <sub>out</sub> 71mm	Len: 10mm	Mass: 30g
	Stabilizatoare (4)	PVC (1,39 g/cm³)	Thick: 3mm		Mass: 30g