

SPACECAD • DATA SHEET

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GENERAL ROCKET DATA

Rocket name: My Rocket Printed on 07.09.2012
Rocket file: Display example.rocx
Created by: SpaceCAD 5
Cd-value: 0,75

WEIGHT

Launch weight: 1776,61 g
Empty weight: 1549,41 g

ENGINE CONFIGURATION

Stage 1
Engines: 4 Estes E9-0

SPACECAD FLIGHT PREDICTION RESULTS

Max. height: 368,67 ft
Max. velocity: 34,38 m/s
Max. acceleration: 31,98 m/s²
Best delay: 3,29 s
Min. launch rod length: 22,47 ft

BURNOUT ALTITUDES

Stage 1 at 189,49 ft

PARACHUTE

For a descent flight of 15,24 ft/s the best parachute diameter is 4 ft.
For a cutout parachute use a diameter of 5 ft.

SPACECAD STABILITY RESULTS

Center Of Pressure (CP) : 652,20 mm behind nose cone
Center Of Gravity (CG) : 683,91 mm behind nose cone

Rocket is unstable (0,41 calibers)

PER-STAGE STABILITY

n/a

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