

# ANIMAL MOTOR WORKS K600

## CERTIFIED VALUES

Total Impulse: 2550 newton-seconds  
Delays: Plugged

Propellant Type: Composite / White Wolf  
Propellant Mass: 1223.3 grams

Casing Dimensions: 75 mm x 368 mm

Certification Date: 02-July-1

Certification Type: High Power Rocket

## STATIC TEST DATA

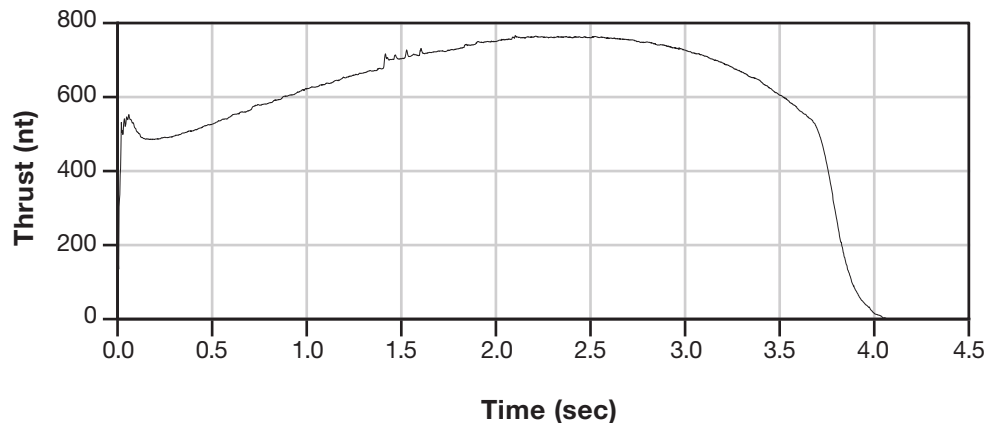
Date Tested: 02-June-30

Total Impulse: 2499.34 newton-seconds ( $\sigma$  47.97)  
Peak Thrust: 766.44 newtons ( $\sigma$  11.20)  
Burn Time: 4.07 seconds ( $\sigma$  0.02)  
Average Thrust: 614.09 newtons

Mass After Firing: 1673.0 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
P	None	2912.9 g	

## TYPICAL THRUST-TIME CURVE



## REMARKS

Consists of the Animal Motor Works 75-2500 motor and Animal Motor Works K600WW-P-SM reload kit. No substitutions allowed. Produces 10 to 15 seconds of tracking smoke after burnout.

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; Animal Motor Works K600 RASP.ENG file made from NAR data
; File produced August 22, 2002
; The total impulse, peak thrust, average thrust and burn time are
; the same as the averaged static test data on the NAR web site in
; the certification file. The curve drawn with these data points is as
; close to the certification curve as can be with such a limited
; number of points (32) allowed with wRASP up to v1.6.

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K600 75 368 P 1.2233 2.9129 AWM
0.010 412.229
0.029 522.21
0.059 547.215
0.083 524.8
0.122 497.305
0.181 484.852
0.333 495.113
0.690 560.464
1.195 643.548
1.400 673.833
1.420 708.799
1.508 701.427
1.591 721.551
1.782 731.712
2.017 752.035
2.174 756.816
2.257 765.2
2.502 766.44
2.727 752.931
2.918 738.187
3.143 705.91
3.408 643.847
3.603 569.131
3.692 526.793
3.745 439.426
3.799 289.596
3.883 112.272
3.922 64.862
3.971 37.437
3.995 22.474
4.070 0

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