

# ANIMAL MOTOR WORKS L666

## CERTIFIED VALUES

Total Impulse: 2700.40 newton-seconds  
Delays: P

Propellant Type: Composite / Skidmark  
Propellant Mass: 1646.7 grams

Casing Dimensions: 75 mm × 498 mm

Certification Date: 06-May-1

Certification Type: High Power Rocket

## STATIC TEST DATA

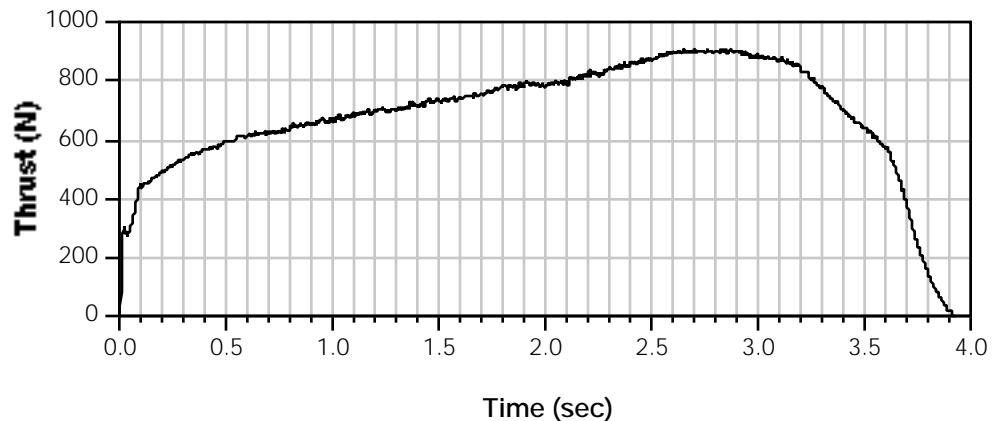
Date Tested: 06-April-24

Total Impulse: 2700.40 newton-seconds ( 6.68  
Peak Thrust: 914.42 newtons ( 26.64  
Burn Time: 3.93 seconds ( 0.10  
Average Thrust: 688.19 newtons

Mass After Firing: 1887.7 grams

Delay Time	Average Measured Delay	Initial Mass
P	NONE	3534.4 g

## TYPICAL THRUST-TIME CURVE



## REMARKS

Consists of the Animal Motor Works 75- 3500 motor and Animal Motor Works L666SK-P reload kit. No substitutions allowed.



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;
; ANIMAL MOTOR WORKS L666SK RASP.ENG FILE
; 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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L666 75 498 P 1.647 3.534 AMW
0.024 305.057
0.042 274.551
0.071 361.739
0.089 435.839
0.191 488.091
0.381 562.191
0.625 614.544
0.911 662.467
1.268 710.391
1.613 745.366
1.899 797.579
2.024 780.161
2.173 814.996
2.411 862.919
2.673 902.184
2.917 914.420
2.970 889.096
3.083 884.767
3.238 819.426
3.381 719.150
3.506 640.721
3.625 562.191
3.679 435.839
3.720 309.487
3.786 169.946
3.851 69.730
3.930 0.000
;

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