

ANIMAL MOTOR WORKS J365

CERTIFIED VALUES

Total Impulse: 1125.47 newton-seconds
Delays: P

Propellant Type: Composite / Skidmark
Propellant Mass: 702.3 grams

Casing Dimensions: 54 mm × 403 mm

Certification Date: 06-May-1

Certification Type: High Power Rocket

STATIC TEST DATA

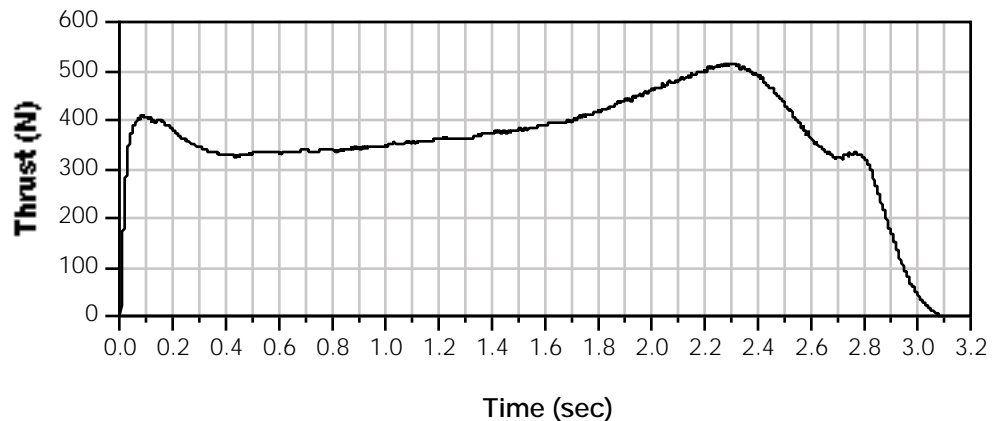
Date Tested: 06-March-30

Total Impulse: 1125.47 newton-seconds (7.49)
Peak Thrust: 514.16 newtons (28.57)
Burn Time: 3.09 seconds (0.10)
Average Thrust: 364.80 newtons

Mass After Firing: 757.1 grams

Delay Time	Average Measured Delay	Initial Mass
P	NONE	1459.3 g

TYPICAL THRUST-TIME CURVE



REMARKS

Consists of the Animal Motor Works 54- 1400 motor and Animal Motor Works J365SK-P reload kit. No substitutions allowed.


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; ANIMAL MOTOR WORKS J365SK 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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J365 54 403 P 0.702 1.459 AMW
0.027 204.971
0.320 328.514
0.050 377.932
0.095 412.464
0.186 389.238
0.318 356.820
0.473 347.014
0.891 350.819
1.218 375.527
1.709 415.041
1.959 459.557
2.164 484.571
2.273 511.278
2.332 514.160
2.423 479.167
2.545 439.041
2.627 348.125
2.700 334.112
2.759 345.917
2.795 338.514
2.850 269.794
2.886 224.971
2.936 123.346
2.973 78.625
3.027 27.169
3.090 0.000

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