

ANIMAL MOTOR WORKS I285

CERTIFIED VALUES

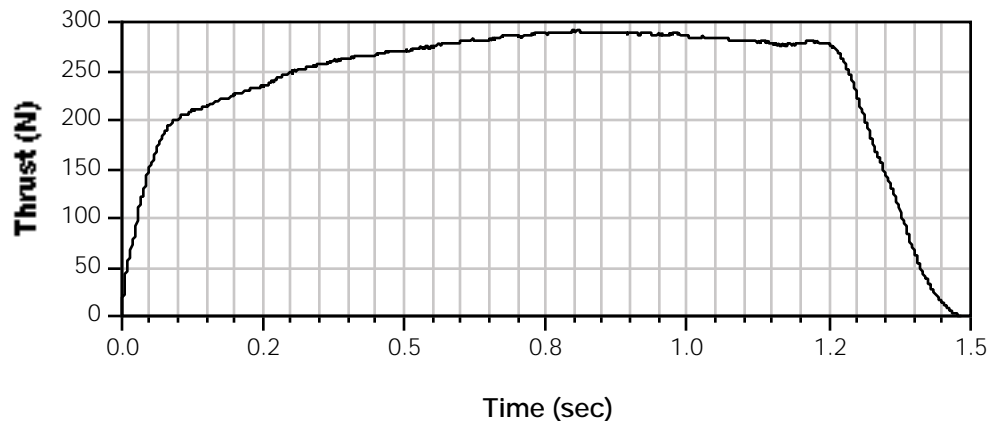
Total Impulse: 353.48 newton-seconds
Delays: 20
Propellant Type: Composite / Green Gorilla
Propellant Mass: 206.5 grams
Casing Dimensions: 38 mm × 258 mm
Certification Date: 06-May-1
Certification Type: High Power Rocket

STATIC TEST DATA

Date Tested: 06-March-30
Total Impulse: 353.48 newton-seconds (1.03
Peak Thrust: 291.20 newtons (11.59
Burn Time: 1.48 seconds (0.01
Average Thrust: 238.31 newtons
Mass After Firing: 308.4 grams

Delay Time	Average Measured Delay	Initial Mass
20	20.02	514.9 g

TYPICAL THRUST-TIME CURVE



REMARKS

Consists of the Animal Motor Works 38- 390 motor and Animal Motor Works I285GG-20 reload kit. No substitutions allowed.


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; ANIMAL MOTOR WORKS I285GG 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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      I285   38   258   20   0.206   0.515   AMW
0.013          61.575
0.032         119.327
0.055         164.575
0.076         191.004
0.094         201.014
0.139         212.326
0.232         231.247
0.357         258.876
0.456         267.686
0.592         278.998
0.716         289.358
0.841         291.200
0.936         290.310
1.051         285.204
1.139         277.696
1.204         280.199
1.243         278.998
1.265         268.887
1.286         242.559
1.319         187.200
1.359         134.443
1.387          86.702
1.407          52.776
1.428          31.413
1.448          16.337
1.465           5.026
1.480           0.000
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