

# AMW M1350

## CERTIFIED VALUES

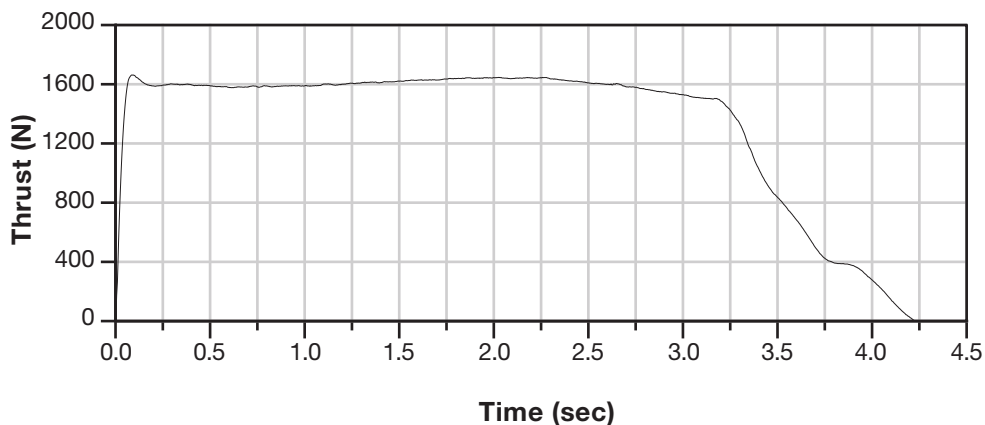
**Total Impulse:** 5725 newton-seconds  
**Delays:** Plugged  
**Propellant Type:** Composite / White Wolf  
**Propellant Mass:** 2927.3 grams  
**Casing Dimensions:** 75 mm x 785 mm  
**Certification Date:** 2002–November–4  
**Certification Type:** High Power Rocket

## STATIC TEST DATA

**Date Tested:** 2002–November–3  
**Total Impulse:** 5710.54 newton-seconds ( $\sigma$  2.23)  
**Peak Thrust:** 1662.71 newtons ( $\sigma$  14.66)  
**Burn Time:** 4.23 seconds ( $\sigma$  0.05)  
**Average Thrust:** 1349.97 newtons  
**Mass After Firing:** 2416.35 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
P	None	5632.2 g	

## TYPICAL THRUST-TIME CURVE



## REMARKS

Consists of the Animal Motor Works 75-6000 casing and Animal Motor Works M1350WW-P-SM reload kit. No substitutions allowed. Produces 10 to 15 seconds of tracking smoke after burnout.



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; Animal Motor Works M1350 RASP.ENG file made from NAR data
; File produced Nov 3, 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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```

M1350 75 785 P- 2.9673 5.6322 AMW
0.026 728.705
0.046 1381.698
0.066 1609.638
0.092 1662.710
0.151 1609.638
0.242 1592.567
0.478 1592.567
1.041 1592.567
1.710 1635.746
2.299 1643.779
2.672 1601.605
3.092 1508.220
3.197 1500.186
3.249 1423.872
3.301 1338.520
3.386 1067.402
3.524 788.050
3.721 440.617
3.779 389.807
3.838 381.272
3.904 364.402
3.976 305.058
4.055 194.903
4.140 93.214
4.230 0.000

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