

# AMW K570

## CERTIFIED VALUES

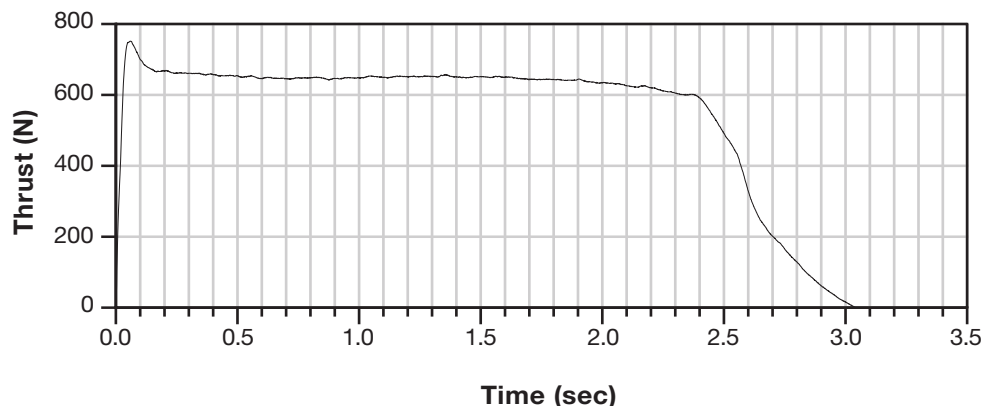
**Total Impulse:** 1700 newton-seconds  
**Delays:** Plugged  
**Propellant Type:** Composite / White Wolf  
**Propellant Mass:** 914.6 grams  
**Casing Dimensions:** 54 mm x 492 mm  
**Certification Date:** 2002–December–12  
**Certification Type:** High Power Rocket

## STATIC TEST DATA

**Date Tested:** 2002–November–3  
**Total Impulse:** 1697.42 newton-seconds ( $\sigma$  5.48)  
**Peak Thrust:** 751.47 newtons ( $\sigma$  31.41)  
**Burn Time:** 3.04 seconds ( $\sigma$  0.04)  
**Average Thrust:** 559.10 newtons  
**Mass After Firing:** 889.1 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
P	None	1815.1 g	

## TYPICAL THRUST-TIME CURVE



## REMARKS

Consists of the Animal Motor Works 54-1750 casing and Animal Motor Works K570WW-P reload kit. No substitutions allowed.

; AMW K570 RASP.ENG file made from NAR published data  
; File produced December 25, 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.

K570	54	492	P-	0.9146	1.8151	AMW
0.020	364.42					
0.030	664.79					
0.051	751.47					
0.071	745.81					
0.096	705.25					
0.137	674.93					
0.284	661.38					
0.528	651.24					
0.913	644.51					
1.192	651.24					
1.430	651.24					
1.649	651.24					
1.872	644.51					
2.176	624.23					
2.318	600.64					
2.394	597.33					
2.455	546.63					
2.501	485.89					
2.562	421.84					
2.597	340.83					
2.638	266.54					
2.734	175.48					
2.836	97.86					
2.927	47.24					
3.040	0.00					

