

ANIMAL MOTOR WORKS K670

CERTIFIED VALUES

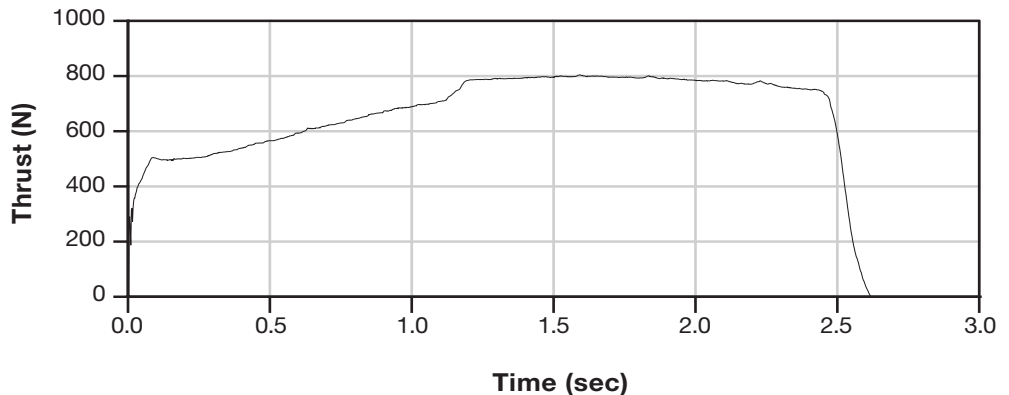
Total Impulse: 1760 newton-seconds
Delays: Plugged
Propellant Type: Composite / Green Gorilla
Propellant Mass: 1014.0 grams
Casing Dimensions: 54 mm x 492 mm
Certification Date: 02-July-1
Certification Type: High Power Rocket

STATIC TEST DATA

Date Tested: 02-June-30
Total Impulse: 1751.08 newton-seconds (σ 6.41)
Peak Thrust: 804.56 newtons (σ 12.84)
Burn Time: 2.62 seconds (σ 0.03)
Average Thrust: 668.35 newtons
Mass After Firing: 905.2 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
P	None	1914.5 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Consists of the Animal Motor Works 54-1750 motor and Animal Motor Works K670GG-P reload kit. No substitutions allowed.

; AMW K670 RASP.ENG file made from NAR published data
; File produced SEPT 4, 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.

	K670	54	492	P-	1.0140	1.9145	AMW
0.016		294.05					
0.035		398.577					
0.086		506.292					
0.153		496.428					
0.264		506.093					
0.461		558.108					
0.722		629.553					
0.983		688.044					
1.116		714.051					
1.193		785.795					
1.409		788.784					
1.737		804.56					
2.074		781.41					
2.195		764.87					
2.226		781.211					
2.277		764.77					
2.398		751.517					
2.440		744.941					
2.468		718.834					
2.484		666.521					
2.525		418.107					
2.551		218.818					
2.573		120.768					
2.595		52.143					
2.620		0					

