

AEROTECH H220

CERTIFIED VALUES

Total Impulse: 220 newton-seconds
Delays: 6, 10, 14 seconds

Propellant Type: Composite
Propellant Mass: 106.4 grams

Casing Dimensions: 29 mm × 238 mm

Certification Date: 96-July-7

Certification Type: High Power Rocket

STATIC TEST DATA

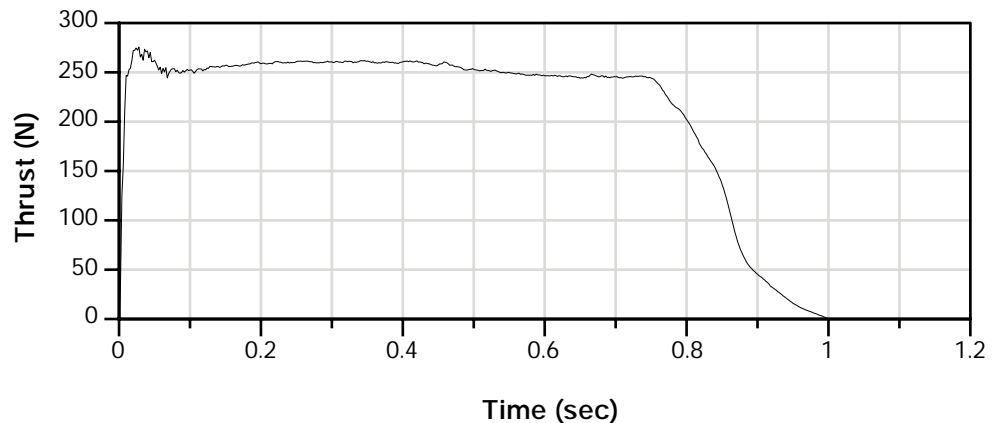
Date Tested: 96-July-6

Total Impulse: 215.41 newton-seconds (σ 0.89)
Peak Thrust: 275.73 newtons (σ 9.78)
Burn Time: 1.00 seconds (σ 0.02)
Average Thrust: 215.41 newtons

Mass After Firing: 132.4 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
6	5.11	243.0 g	
10	8.64	245.1 g	
14	13.31	250.0 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-29/240 Reload System and AeroTech H220 Reload Kit. No substitutions allowed.

; Aerotech H220 RASP.ENG file made from NAR published data
 ; File produced July 4, 2000
 ; 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.

H220 29 238 6-10-14 .1064 .2460 A
 0.007 214.072
 0.013 251.967
 0.024 275.730
 0.032 265.065
 0.036 269.464
 0.058 250.567
 0.098 250.567
 0.165 256.466
 0.269 259.566
 0.408 259.766
 0.449 256.966
 0.463 261.366
 0.483 254.066
 0.576 248.367
 0.657 244.168
 0.688 245.668
 0.742 245.668
 0.756 241.368
 0.775 222.471
 0.793 210.872
 0.813 187.575
 0.834 161.379
 0.852 135.182
 0.866 98.817
 0.880 65.351
 0.897 47.903
 0.917 36.285
 0.939 23.206
 0.964 11.598
 1.000 0.000

