

NAR OFFICIAL CERTIFICATION LABORATORY  
HIGH POWER ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH H220 RELOADABLE

Effective Dates: NAR Certification: July 7, 1996

Certified Total Impulse (N-Sec): 220 Delay Times: 6, 10, 14

Propellant Type: Composite Propellant Mass (gm):

Casing Diameter (mm): 29 Casing Length (mm): 238

- - - - - STATIC TEST DATA - - - - -

Number Tested: 9 Casing Date Codes: None  
Date Tested: July 6, 1996 Test Temp (°C): 22 Elevation (ft): 200  
Total Impulse (N-Sec): 215.41 std. deviation: 0.89  
Peak Thrust (newtons): 275.73 std. deviation: 9.78  
Burn Time (seconds): 1.00 std. deviation: 0.02  
Casing Burnt Mass (gm): 132.4 Max Casing External Temp (°C): under 200

Delay Time (sec)	6	10	14
Initial Mass (gm)	243.0	245.1	250.0
Avg. Measured Delay	5.11	8.64	13.31

Remarks: Uses AEROTECH RMS-29/240 Reload System and AEROTECH H220 reload kit. No substitutions allowed.

Typical Thrust - Time Curve:

