

# ANIMAL MOTOR WORKS N2020

## CERTIFIED VALUES

Total Impulse: 10280.73 newton-seconds  
Delays: P

Propellant Type: Composite / White Wolf  
Propellant Mass: 5160.9 grams

Casing Dimensions: 98 mm × 870 mm

Certification Date: 06-May-1

Certification Type: High Power Rocket

## STATIC TEST DATA

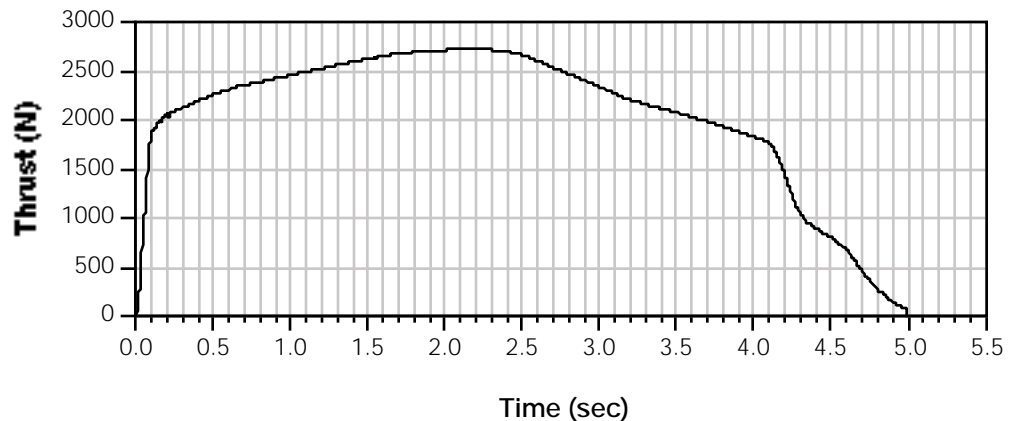
Date Tested: 06-April-24

Total Impulse: 10,280.73 newton-seconds ( 8.56)  
Peak Thrust: 2740.72 newtons ( 88.82)  
Burn Time: 4.99 seconds ( 0.04)  
Average Thrust: 2062.01 newtons

Mass After Firing: 4808.4 grams

Delay Time	Average Measured Delay	Initial Mass
P	NONE	9969.3 g

## TYPICAL THRUST-TIME CURVE



## REMARKS

Consists of the Animal Motor Works 98- 11000 motor and Animal Motor Works N2020WW-P reload kit. No substitutions allowed.



```

;
;
; ANIMAL MOTOR WORKS N2020WW RASP.ENG FILE
; 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.

```

```

N2020 98 870 P 5.161 9.969 AMW
0.068 986.792
0.103 1653.149
0.120 1884.031
0.218 2050.945
0.456 2217.859
0.907 2423.753
1.439 2591.667
1.865 2695.613
2.160 2740.720
2.463 2709.606
2.724 2543.691
3.026 2338.797
3.402 2147.895
3.803 1968.987
3.999 1867.039
4.097 1791.078
4.154 1663.144
4.211 1419.270
4.275 1123.011
4.349 983.993
4.438 894.440
4.569 741.018
4.683 510.637
4.781 331.429
4.870 203.495
4.944 139.628
4.990 0.000

```

