

Experience the Power of Composite Rocketry

New AeroTech E20W Composite Model Rocket Motor

- Over twice the power of the D12 and 1.3 times the power of the E9!
- Fits all rockets built for the D12 and E9.
- Brilliant white exhaust with impressive sound!
- Real Ammonium Perchlorate composite propellant (APCP) like the Shuttle, Ares I and military rockets!
- 2-lead FirstFire Jr.™ initiator works with popular launch controllers.
- Built-in thrust ring with two delay options.

24mm Motor Power Comparison

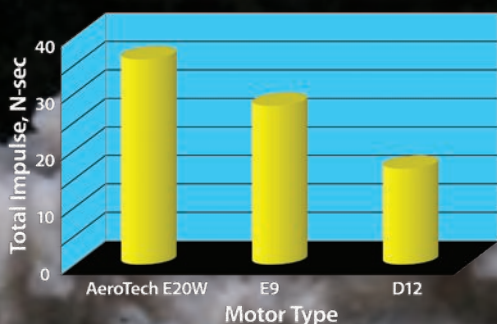


Photo by Ray LaPanse. See back for motor specifications.

Real Rocket Motors with Real Rocket Propellant



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E20W Composite Model Rocket Motor Dealer & Consumer Information



AeroTech E20W Motor Features

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AeroTech Motor Delay Conversion

- E20-4W in place of D12-3
- E20-7W in place of D12-5
- E20-4W in place of E9-4
- E20-7W in place of E9-6

AeroTech E20W Motor Technical Specifications

Motor Designation: E20-4W, E20-7W
 Outer Diameter: .938" (24mm)
 Length: 2.75" (70mm)
 Motor Weight: 50 g
 Propellant Weight: 16.2 g
 Propellant Type: White Lightning™ (W)
 Propellant Effect: Brilliant white flame, dense white smoke
 Total Impulse: 36 N-sec (equivalent to 2.1 X D12, 1.3 X E9)
 Burn Time: 1.7 seconds
 Delay Time: 4 or 7 seconds
 Maximum Recommended Liftoff Weights:
 16 oz/454 g (4 sec delay)
 9.5 oz/269 g (7 sec delay)

Motor Designations

Each AeroTech composite hobby rocket motor or reload kit has a designation which provides important information about performance. The designation is read as follows:

E20-4W

First Letter

The first letter is a code which indicates total impulse (in Newton-seconds) produced by the motor. Each succeeding letter has up to twice the power of the preceding letter. An 'E' motor has up to 40 N-seconds of total impulse.

First Number

The first number indicates the motor's average thrust in Newtons. A Newton is equivalent to 0.225 pounds of force.

Second Number

The second number shows the time delay, in seconds, between propellant burn-out and activation of the ejection charge.

Second Letter

The second letter indicates the propellant formulation of the motor. In this case the "W" indicates "White Lightning". Additional letters or numbers may be added to denote other performance characteristics.

Typical E20W Thrust-Time Curve

