



Available for Immediate Shipment!

Q-Jet™ E35W Single-Use Rocket Motor New Product Information Release 11/18/2022

AeroTech/Quest is pleased to announce the Tripoli certification and immediate availability of our new Q-Jet 24mm x 95mm E35W single-use White Lightning™ model rocket motor, available in 3 delay times.

The new E35W model rocket motor is nearly a full “E” producing 39.4 N-Sec (8.9 lb.-Sec) of total impulse with a 1.1 second burn time. Using 0.9 oz. (26.5 g) of White Lightning propellant, AeroTech’s most popular solid composite propellant formulation, this new motor has a total weight of 2.1 oz. (58.5 g). AeroTech’s White Lightning propellant produces a brilliant white exhaust plume, bright white smoke and a throaty roar at lift-off. This new Q-Jet rocket motor uses the same family of aerospace grade solid composite propellant as NASA’s Space Shuttle boosters, military missiles, sounding rockets and NASA’s SLS moon rocket boosters. The E35W generates a peak thrust of 43.7 N (9.8 lb.) with an average thrust of 33.8 N (7.8 lb.).

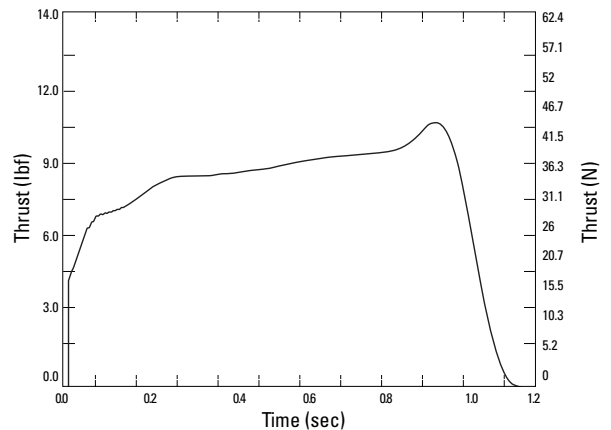
The E35W is available in 5 (No. 6150), 8 (No. 6152) and 11 (No. 6154) second delay times and features a built-in thrust ring eliminating the need for an internal motor block. This 24mm x 95mm Q-Jet rocket motor is smaller and 30% lighter than its 29mm x 114mm E16 black powder (BP) competitor and is designed to fit a much broader range of rocket kits. The new smaller and lighter E35W model rocket motor delivers a significantly higher total impulse than the E16 BP model rocket motor. Packaged in a full-color clamshell with FirstFire™ Micro Initiators, the E35W has a 2-pack SRP of \$24.99 and is USPS shippable with no HazMat fee, unlike the E16 BP rocket motor.



E35W Specifications

- Diameter: 24mm (0.94")
- Length: 95mm (3.7")
- Propellant: White Lightning™
- Total Impulse: 39.4 N-Sec. (8.9 lb.-Sec.)
- Burn Time: 1.1 Seconds
- Peak Thrust: 43.7 N (9.8 lb.)
- Delay Time: 5, 8 and 11 seconds
- Propellant Weight: 26.5 g (0.9 oz.)
- Loaded Weight: 58.5 g (2.1 oz.)

Q-Jet E35W Performance



California State Fire Marshal classification and approval has been granted for the E35W model rocket motor.

TRA certification documents for the E35W will be available for download in PDF format from the Resource Library on the AeroTech-Quest website at <http://www.aerotech-quest.com>.