

## HAPPY NEW YEAR - Available for Immediate Shipment!

### O6000W-P Single-Use DMS™ Rocket Motor

#### New Product Information Release 2/1/2024

AeroTech/Quest is pleased to announce the NAR certification and immediate availability of the largest high-power rocket motor ever produced by AeroTech, the new single-use DMS™ Disposable Motor System™ O6000W-P.

The O6000W-P measures 152mm diameter x 1,120mm long (5.98 in. x 44.1 in.), making this AeroTech's first 6" diameter high-power rocket motor. The larger diameter was required to contain the nearly full "O" power rating. The static tests for this motor were so spectacular that we've decided to attach videos to this New Product Information Release, plus photos. The new DMS O6000W-P (P/N 15600P) produces a total impulse of 39,620 N-Sec (8,907.37 lb.-Sec.) and delivers a peak thrust of 9,564 N (2,150.18 lbs.) with an impressive burn time of 6.77 seconds. Its delivered total impulse is extremely close to the maximum limit allowed for a Class 2 rocket. Loaded with 22,000 g (48.5 lb.) of White Lightning™ propellant, AeroTech's most popular propellant formulation, this motor delivers unbelievably spectacular lift-offs and awesome flights.

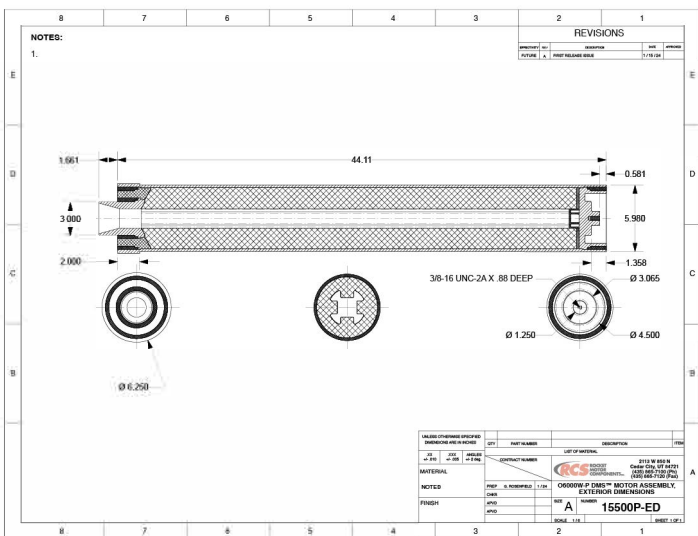
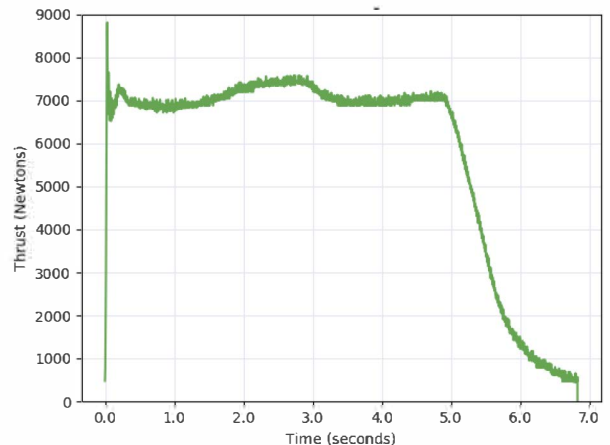
Designed to lift large single or multi-stage rockets and heavy payloads, and with an all-up motor weight of 31,520 g (69.5 lb.) it's perfect for mega-size rockets or 30,000 to 40,000 ft. (9,144 m to 12,192 m) college and university payload/altitude competition. It is also potentially capable of reaching 100,000 ft. (30,480 m) altitudes or more with a sleek, high performance airframe and optimized payload. This is a "plugged" rocket motor that does not produce delay smoke or contain an ejection charge and requires the use of an electronically-activated recovery system.

Because the O6000W-P is shipped fully-assembled with a propellant weight of 48.5 lbs., it is considered a "1.3C" rocket motor and requires shipping by a 1.3C-capable carrier, which is extremely expensive. End users, however, may pick-up the O6000W-P rocket motor at our plant in Cedar City, UT. We suggest that you consider this a "Road Trip" rocket motor and when you pick it up, also plan to tour our new AeroTech/ISP facility, Museum of Composite Propellant Hobby Rocketry and museum store in Cedar City, UT. We are located just off Interstate 15, 2 1/2 hours north of Las Vegas, NV. Our plant is located in the middle of Southern Utah's tourist country with famous national parks, monuments and ski areas including Zion, Bryce, Cedar Breaks, Kolob Canyon, Arches, Brian Head and even the Grand Canyon just minutes or a few hours away. If you do plan to pick-up your O6000W-P rocket motor at our facility in Cedar City, please advise our Customer Service Staff of this when you place your order so they can confirm our hours of operation for picking-up your motor.

### O6000W-P Specifications

- Diameter: 152 mm (5.98 in.)
- Length: 1,120 mm (44.1 in.)
- Propellant: White Lightning™
- Total Impulse: 39,620 N-Sec / 8,907.37 lb.-Sec.
- Burn Time: 6.77 seconds
- Peak Thrust: 9,564 N / 2,150.18 lbs.
- Delay Time: Plugged Motor
- Propellant Weight: 22,000 g (48.5 lb)
- Loaded Weight: 31,520 g (69.5 lb)

### O6000W-P Performance



This motor exceeds the total impulse limit for consumer sales in California. The O6000W-P DMS rocket motor has a suggested retail price of \$9,999.99 each and may be purchased by consumers 18 years of age or older with a Level 3 TRA or NAR Certification, or by educational institutions, US government agencies and licensed commercial entities. The NAR certification document and DMS motor instructions for the O6000W-P will be available for download in PDF format from the Resource Library on the AeroTech/Quest website at <http://www.aerotech-quest.com>.