


















ThrustCurve Home

Here you will find manufacturer specs, certified performance data and other info on commercial model rocket motors and high-power rocket motors. Most importantly, you can download thrust curves for use with rocket flight simulators (including wRASP, RockSim and SpaceCAD among others).

The [certification organizations](#) test commercial rocket motors and certify them for hobby rocketry use. This site organizes data on those rocket motors and provides a place for hobbyists to post their simulator files and download those posted by others. With well over a thousand data files contributed by many users, you've come to the right place for rocket motor data.

Welcome to ThrustCurve.org!

 Search	● Search for motor info and simulator data.
 Motor Guide	● Automatically find motors for your rocket.
 Browser	● Browse through motors by various attributes.
 Contribute	● Contribute motor data files to this site.
 Manufacturers	● A listing of motor manufacturers.
 Updates	● Most recent updates to this site.
 Outbox	● Download data and perform bulk searches.
 Background	● Information on and motivation for this site.
 Simulation	● Description of in-flight forces and simulation.
 Simulators	● Existing rocket flight simulator programs.
 Statistics	● An explanation of motor statistics.
 Certification	● Information on motor certification.
 Glossary	● Brief definitions of terminology.
 TCTracer	● Application to help create motor data files.
 XML API	● Programmatic Search and Download API.

This site is supported and maintained by [John Coker](#) in the hope that it will be a valued resource for the rocketry community. I want to thank the various motor testing organizations for their invaluable services to the rocketry hobby and all the hobbyists who create motor test data and make it available to all. See the [Contribute page](#) to see how you can help.