



# Spaceport Rocketry Association

Premier Rocketry Organization Serving the Space Coast for over 30 Years  
 www.spaceportrocketry.org

## BLACK BRANT IX ROCKET DATA SHEET

ROCKET DESCRIPTION			
<b>Type of Rocket</b> <input type="checkbox"/> Large Model <input checked="" type="checkbox"/> High Power <input type="checkbox"/> Sport <input type="checkbox"/> Competition <input type="checkbox"/> Altitude <input type="checkbox"/> Duration <input type="checkbox"/> _____ <input checked="" type="checkbox"/> Scale <input checked="" type="checkbox"/> Payload <input checked="" type="checkbox"/> Multi-Stage <input type="checkbox"/> Cluster	<b>Design</b> <input type="checkbox"/> Kit _____ <input checked="" type="checkbox"/> Scratch Built  <b>Dimensions</b> Length <u>133.3 in</u> Diameter <u>4.0 in</u> Nose Shape <u>Ogive (PML)</u> Empty Weight <u>237 oz</u> Empty CG <u>70.2 in</u> CP Location <u>101.0 in</u> No. of Stages <u>2</u>	<b>Fins</b> No. of Fins <u>4/4</u> Span <u>4.75/4.75 in</u> Root Chord <u>5.25/10.0 in</u> Tip Chord <u>2.75/6.0 in</u> Sweep Length <u>1.5/8.0 in</u>  <b>Fin Airfoil Shape</b> <input type="checkbox"/> Square Edges <input checked="" type="checkbox"/> Rounded Edges <input checked="" type="checkbox"/> Symmetrical <input type="checkbox"/> Chambered	<b>Motors</b> No. of Motors <u>2</u>  <b>Minimum Thrust</b> <u>300N (booster)</u> <u>110N (sustainer)</u>  <b>Recommended Motors</b> <u>See page 2</u> _____ _____

BOOSTER RECOVERY SYSTEM			
<b>Drogue Type</b> <input type="checkbox"/> Tumble <input type="checkbox"/> Streamer <input type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input type="checkbox"/> _____	<b>Drogue Description</b> Shape _____ Size _____ Material _____ Color _____ No. of Shrouds _____ Shroud Length _____	<b>Main Type</b> <input type="checkbox"/> Tumble <input type="checkbox"/> Streamer <input checked="" type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Rocketman R7C	<b>Main Description</b> Shape <u>Square</u> Size <u>48 in</u> Material <u>Nylon</u> Color <u>Orange</u> No. of Shrouds <u>4</u> Shroud Length <u>68 in</u>

SUSTAINER RECOVERY SYSTEM (Drogue Upper & Main Lower)			
<b>Drogue Type</b> <input type="checkbox"/> Tumble <input type="checkbox"/> Streamer <input checked="" type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Top Flight	<b>Drogue Description</b> Shape <u>Round</u> Size <u>12 in</u> Material <u>Nylon</u> Color <u>Yellow</u> No. of Shrouds <u>8</u> Shroud Length <u>11 in</u>	<b>Main Type</b> <input type="checkbox"/> Tumble <input type="checkbox"/> Streamer <input checked="" type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Rocketman R9C	<b>Main Description</b> Shape <u>Square</u> Size <u>96 in</u> Material <u>Nylon</u> Color <u>Red/Black</u> No. of Shrouds <u>4</u> Shroud Length <u>90 in</u>

ELECTRONICS			
<input checked="" type="checkbox"/> Altimeter <u>MissileWorks RRC<sup>2</sup></u> _____	<input checked="" type="checkbox"/> Timer <u>MissileWorks PET</u> <input checked="" type="checkbox"/> Beeper	<input type="checkbox"/> Accelerometer _____	<input checked="" type="checkbox"/> Camera/Video <u>Booster Vision Tx</u> <input type="checkbox"/> _____

