

# KAM Aero EXTRA 300



Wingspan: 125.25" / 128"  
Length: 120.5"  
Wing Area: 2786 / 2851 sq. in.  
Power: 150 – 200cc  
Radio: 4CH / 9 Servos  
Weight: 39.5± lbs. w/ DA-200 & KS 95 exhaust  
37.5± lbs. w/ DA-150/170 & tuned pipes or cans



**KAM Aero**  
Queen Creek, Arizona 85142, United States  
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Congratulations on your purchase of the KAM Aero Extra 300. At KAM Aero we pride ourselves on offering only the highest scale aerobatics build quality kits available to builders and modelers. Our highly accurate plans and precision CNC cut hardwood and foam components make the build process straightforward and rewarding. While we strive to make our kits as builder friendly as possible, it is highly recommended that you have kit building experience prior to embarking on the build process.

Safety must be your primary consideration when building and operating any remotely piloted aircraft. Membership of a Community Based Organization such as the Academy of Model Aeronautics (or equivalent for non-US based pilots) and adherence to their safety code is of vital importance. Furthermore, as your completed KAM Aero aircraft is likely to weigh more than .55 pounds (8.8 ozs) you are required to register your unmanned aircraft for recreational use with the FAA.

KAM Aero guarantees this kit to be free from defects in both material and workmanship at the date of purchase. This warranty does not cover any component parts damaged by use or modification. In no case shall KAM Aero's liability exceed the original cost of the purchased kit. Furthermore, KAM Aero reserves the right to change or modify this warranty without notice. In that KAM Aero has no control over the aircraft construction process, the final assembly, or secondary materials used for final assembly, no liability shall be assumed or accepted for any damage resulting from use of the final user-assembled product. Additionally, KAM Aero cannot guarantee the skill of any individual in the construction or use of this aircraft and therefore cannot be responsible for any property damage, bodily injuries, or death resulting from the use of this aircraft. By the act of using the user-assembled product, the user accepts all resulting liability. Please have an expert radio control modeler who is familiar with large scale aircraft inspect your finished aircraft prior to test flying.

## Build introduction

Please read the full construction manual multiple times prior to embarking on your build. Identify all parts, and dry fit items prior to gluing in order to fully understand the assembly process. If you have questions, PLEASE DON'T GUESS, contact us and we'd be happy to help.

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Shop requirements – As all KAM Aero kits are stick built over full-sized plans, a FLAT building surface large enough to accommodate the fuselage plans is essential. Take care to make certain your building surface is true and flat prior to undertaking any construction. Any surface imperfections in your build table will transfer to the fuselage structure. All Kam Aero flying surfaces and compound fuselage parts are constructed of balsa sheeted foam. It is highly recommended (though not necessary) that you use a vacuum bagging system in the construction of these parts. If you do not have access to vacuum bagging equipment using weights also works well. However, if you employ the weight method for laminating balsa skins to foam, be absolutely certain your work surface is strong enough to support the weighted part without sagging or otherwise losing its flat surface. Any change in shape to the work surface while glue is curing will transfer to your part.

Bonding agents – KAM Aero kits will require different types of glues for different portions of the build process. The following are recommendations, but not the only choices.

- Hardwood to hardwood bonds: 3M DP 420 / Loctite Hysol 9462 or similar high strength epoxy.
- Balsa to foam: West Systems Laminating resin, or other quality epoxy laminating system, Guerilla Polyurethane Glue (or similar).
- Balsa to Balsa: Titebond II, thin – thick CA depending on the part / location.
- Fiberglass to plywood: 3M DP 420 / Loctite Hysol 9462 or similar high strength epoxy.

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