

Edge 540 | #99 Raceplane



Performance & Dimensions

Empty weight	1,158 lbs (525 kg.)
Wingspan	25.5 feet (7.8 meters)
Engine	Lycoming Thunderbolt AEIO-540-D "Red Bull Air Race" 300hp engine
Propeller blades	Hartzell HC-C3YR-4AX with C7690EX
Construction	Carbon fiber wings and steel tube fuselage
Speeds	Top speed, 264 mph – stall speed, 58 mph
Roll rate	420 degrees per second
G limits	±12 G's

Our Race Aircraft was created from proven American Zivko's Edge 540

Having this remarkable airframe from Zivko Aeronautics as the platform, Goulian Aerosports has created a completely new concept of racing aircraft. All new titanium, carbon fiber and kevlar parts were fabricated, exhausting weight-savings work and aerodynamics improvements had been completed, virtual design models had been optimized. A newly designed engine cowl, canopy, and landing gear are the most visual mods, but what you don't see is just as impressive. Using a different concept from most of the competitors, we count on a wing with higher area and lower area loading; the idea is to have a wing that is able to generate more lift, allowing the airplane to turn tighter corners and carry more speed through the turns.

All the works were completed at the Goulian Aerosports facility in Plymouth, MA and the plane was flown for the first time on January 9th, 2015 and proved that weight, speed, and reliability goals were all exceeded.

With the standardized powerplant introduced to the series in 2014, the #99 race aircraft is powered by a 300hp Red Bull Air Race Special Lycoming IO-540 and Hartzell Claw 3-blade propeller.

Media contact:

Emily Mankins, Team Manager

emily@mikegoulian.com

www.mikegoulian.com