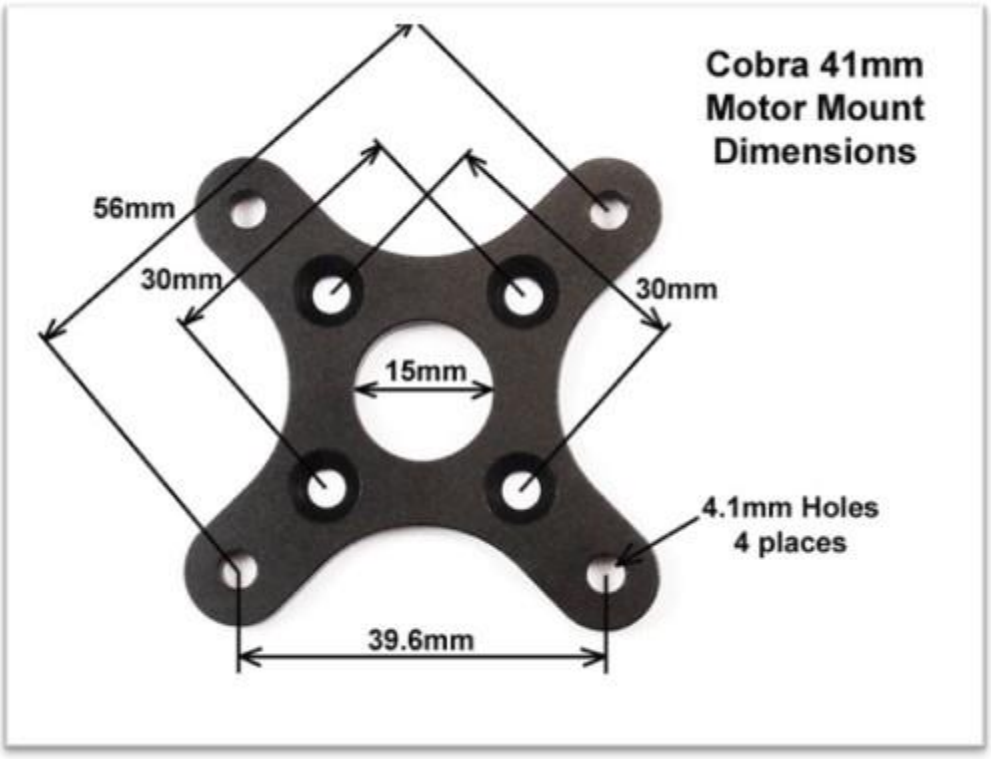
E-Flite Carbon Z Cub

Thanks for reaching out to us for a new motor for your aircraft. I looked at the specs for the Carbon Z Cub, and it uses an E-Flite BL50 525Kv motor. Unfortunately E-Flite provides very little information about their motors, so this make it hard to easily cross reference them to one of our motors. From Previous experience, our Cobra 4130 motors are physically similar in size to the BL50 motor. They call out a 15x7 prop in the manual for the Carbon Z Cub, and if you look at the prop chart for the Cobra 4130/12 motor, the APC-15x7 is not shown, since it was not around yet when we tested the motors, but from experience, I know that it pulls a few amps less than the 15x6 and makes a few ounces more thrust, so you could expect a current draw of around 62 amps and about 194 ounces of thrust (12 pounds 2 ounces)

The Cub has a listed flying weigh of between 8.15 and 9.48 pounds, depending on the battery used, so you would certainly have way greater than a 1 to 1 thrust to weight ratio, regardless of model weight.

Below is a photo of the motor mount that comes with the Cobra 4130 size motors. As you can see the bolt hole pattern where the mount attaches to the motor is a 30mm spacing, and the hole spacing on the firewall is a 56mm spacing. I believe that the E-Flite motor has the same motor spacing for the cross mount attachment, so if the Cobra mount does not fit your firewall, you may be able to use the stock mount from the kit and put that onto the motor.



If you did go with this motor, it would pull a bit too much current for the stock 60-amp ESC, so you would want to upgrade to an 80-amp ESC for the motor.

Here are links to these items on our website.

Cobra C-4130/12, 540Kv motor: https://innov8tivedesigns.com/cobra-c-4130-12-brushless-motor-kv-540.html

Cobra 80-Amp ESC: https://innov8tivedesigns.com/cobra-80a-esc-with-6a-switching-bec.html

APC 15x7-E Prop: https://innov8tivedesigns.com/apc-15x7e-propeller.html

Check the size of the motor mount, and make sure that it is compatible with your plane and if everything looks good then you can order these items from our website. If you have any other questions or comments, please feel free to contact us.