Skynetic Havok Racer 1000mm

Unfortunately, as is the case with most of these RTF type aircraft, there is virtually no information available about the motor that is used in the plane. I end up having to scour the internet looking for a thread on RC Groups, or similar site, where someone has pulled the motor out of the plane and provided a bit more information about it. On these types of motors, the 3542 part number means that the motor has an outside diameter of 35mm and an overall motor length of 42mm. Motors of this size typically have a stator inside that is 28mm in diameter with a length of 20mm. All of our motors use the Stator size as the part number, so one of our 2820 size motors would be equivalent to their 3542 size motor.

In our Premium BadAss motor line, we have 2 motors that are similar to the stock motor, with Kv values on either side of the 1600Kv that this one has. The BA-2820-1350Kv and the BA-2820-1820Kv. The 1350Kv version is rated for up to 75 amps of current, and can run on 3, 4 or 5 cells. It could also run on 6 cells with 7 inch props. The 1820Kv version can handle up to 100 amps, so if you want to go very fast, this one will do it on 4 cells. With an APC 7x6 sport prop it will pull 69 amps and give a static pitch speed of 127 MPH with 76 ounces of thrust. With this motor you could still use the stock 80-amp ESC, as long as you propped it correctly and did not exceed the max current rating of the speed controller.

Here are links to these 2 motors on our website. When you look at them, you can check out the Performance Data Chart for each motor and see the various props we tested on each one.

BA-2820-1350 Motor: https://innov8tivedesigns.com/badass-2820-1350kv-brushless-motor.html

BA-2820-1820 Motor: https://innov8tivedesigns.com/badass-2820-1820kv-brushless-motor.html

In our Tempest Sport Motor line, we also have 2 motors that are similar, the 2820-1460Kv and the 2820-1940Kv. You can check out the performance data for these two motors on our website at these links.

Tempest 2820-1460 Motor: https://innov8tivedesigns.com/tempest-2820-1460kv-brushless-motor.html

Tempest 2820-1940 Motor: https://innov8tivedesigns.com/tempest-2820-1940kv-brushless-motor.html

Hopefully one of those will get you the performance that you are looking for. One thing to be aware of is the fact that very often, the stock motors in these planes will have a non-standard 25x19mm, 19x19mm or 16x19mm mounting hole pattern on the back of the motor. All of our 28mm motors use a more standard 25x25mm bolt hole pattern on the back which allows for the use of a much larger rear bearing in the motor for better shaft support and longer life. You may need to modify the motor mount to use one of our motors.