

## Grayson Hobby MicroJet V3 ParkJet Combo

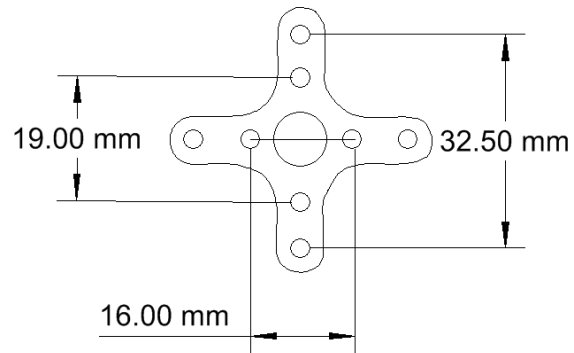
**Just plug and play. No programming needed out of the box.**

After almost 2 yrs GraysonHobby and Welgard learned how to improve the original GH2212-06, by making it smaller and lighter AGAIN. GraysonHobby was worked closely with Welgard to develop a improved 'microjet' which is a high speed high KV motor for smaller parkjets and parkflyers. Prop range is limited due to the High Kv (2200) rating of this motor. Use with 3 cell lipo battery capable of sustaining 20 amps. Prop range is from 5x5 to 6x4.

The motor features a 3.17mm hardened steel shaft, dual ball bearings, and has 3.5mm gold spring male connectors already attached and includes 3 female connectors for your speed control. Mounting holes have 16mm and 19mm spacing on centers and are tapped for 3mm (M3) screws

### Grayson Hobby MicroJet V3 Technical Data

Li-Po Battery: 2 / 3 cells  
RPM per volt: 2200  
Max efficiency: 78%  
Poles: 14  
Max efficiency current: 8~15 A (>74%)  
No Load Current / 10V: 1.38A  
Max Current: 20A / 60 sec  
Dimension: 27.5 x 26mm  
Shaft: 3.17mm  
Weight: 34g  
Recommended Model Weight: (7oz – 20oz)  
Max Watts: 200W  
Recommend Propeller Range: 2-3 cells Li-Po (7.4V – 11.1V): 6" x4"



### Operating Instructions:

1. This brushless motor requires the use of a brushless speed control. Failure to use the correct speed control may result in damage to the motor and/or speed control.
2. When mounting the motor, be sure the correct length of screws are used so damage to the inside of the motor will not occur. We suggest you use the mounting hardware included with your motor. **The use of long screws will damage the motor.**
3. You may connect the three motor wires directly to the controller with solder or with the supplied 2.0mm bullet connectors, which will also need to be soldered properly to your wires. The three motor wires can be connected in any order to the three output wires or output port on a brushless speed control. Be sure to use heat shrink tubing to properly insulate the wires so the wires will not short. Shorting WILL damage the motor and speed control.
4. If you add connectors and you no longer wish to use them, never cut the motor wires. Remove them by properly desoldering them. Shortening the motor wires is considered an improper modification of the motor and may cause the motor to fail.
5. When you connect the motor to the esc, check the rotation direction of the motor. If you find the rotation is reversed, switching any two motor wires will reverse the direction so the motor rotates properly.
6. Proper cooling of the motor is very important during operation. New technology has brought much higher capacity batteries with higher discharge rates, which can cause extreme motor temperatures during operation. It is the responsibility of the user to monitor the temperature and prevent overheating. Overheating of the motor is not covered under any warranty.
7. You can install the propeller on the motor shaft after you have confirmed proper rotation direction. Also consult the instruction included with your electronic speed control for proper adjustments and timing.
8. Once the battery is connected to the motor, please use extreme caution. Stay clear of the rotating propeller since spinning propellers are very dangerous as the motors produce high amounts of torque.
9. Never disassemble the motor. This will void any warranty

**Limits Of Responsibility:** We accept no responsibility for crash damage. It is impossible to determine for certain whether crash damage was the result of a radio system failure or pilot error. We accept no responsibility for crash damage occurring during the use of a radio-controlled model. Electrical polarity must be properly observed in hooking up electrical components. Current limits must be observed with batteries, speed controllers, and electric Grayson Hobby LLC accepts no responsibility for the improper installation and use of purchased products. For updates and further information, please visit our website at [www.graysonhobby.com](http://www.graysonhobby.com).

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