

A) One of the biggest confusions for most people selecting an electric motor is, “What is a watt?” The glow guys are used to horsepower and electric power systems are measured in watts.

*(1 hp = 746 watts or about 750 watts)*

Don't go by the max rating for HP that engine manufacturers publish. That is a MAX figure and very seldom is an engine for sport use operated at that figure. The h.p. drops off quite a bit when the RPM is not at the rated figure which is usually around 16,000 RPM's or greater.

#### Glow Engines vs. Electric Motors

1. ♠ .20-size glow engine / **300w electric motor**
2. ♠ (OS Max 0.20 engine develops 0.4 hp = **300w electric motor (AXI 2820)** )
3. ♠ .35-size glow engine / **500w electric motor**
4. ♠ (Fox 0.35 stunt engine develops 0.7 hp = **522w electric motor (AXI 2826)**)
5. ♠ .40-size glow engine develops 1.0 hp = **750w electric motor (AXI 2826 or 4120)**
6. ♠ .60-size glow engine develops 1.3 hp = **975w electric motor (AXI 4120 or 4130)**
7. ♠ .90-size glow engine develops 1.6 hp = **1200w electric motor (AXI 5320 or 4130)**
8. ♠ 1.20-size glow engine develops 3.0 hp = **2250w electric motor (AXI 5330)**
9. ♠ DA-50 develops 5.0 hp = **3750w electric motor (AXI 5330)**
10. ♠ DA-100 develops 9.8 hp = **7311w electric motor (Double AXI 5330)**

See E-flite [Park 400](#) and [Power 60](#) series that mimic replacement sizes for old brushed motors and glow engines.

[http://www.gregcovey.com/Glow\\_Conversions\\_Made\\_Easy.htm](http://www.gregcovey.com/Glow_Conversions_Made_Easy.htm)

#### **Himax Brushless Motors**

**HC50 Outrunner 800-1500 Watts HC50** - These motors are for large models weighing 6-8Lb for 3-D flight, 8-15Lb for aerobatic flight and 10-20Lb for leisure flight.

• Gas equivalent - **.46 - .90**

**HC63 Outrunner 1700-2200 Watts HC63** - These motors are for large models weighing 10-12Lb for 3-D flight, 17-22Lb for aerobatic flight and 22-30Lb for leisure flight.

• Gas equivalent - **1.20 - 1.80**