

Whirlybird 3-phase Wind Turbine Kit (PWV6)

General Description

Imagine creating a 3-phase wind turbine from a common, everyday roof ventilator along with some magnets and coils of wire. That's what we've created for your study of wind technology. We chose the Whirlybird TM roof ventilator for several reasons.

First, it has great bearings that simply will not wear out under normal – and even severe – use. Without great bearings your wind turbine is always fighting friction that only serves to slow it down with the attendant loss of power.

Second, it can be easily constructed with common tools and without soldering or drilling, making it easy to construct and use by any student of age 13 and up.

Third, it can be used indoors and, most importantly, outdoors where your study of day-to-day and season-by-season wind never stops.

Fourth, it produces 3-phase power just like the commercial wind turbines, which allows you to study this marvelous electrical principle first hand using the The Renewable Energy Monitor.

Fifth, you will be able to modify it in order to study the effects of magnetism and how you can optimize the mechanical components to produce maximum power.

Technical specifications:

- Mini wind turbine that generates electricity to power various electronics
- 12 volts DC
- 0.100 amp DC
- 1.2 watts DC
- 30 mph wind speed
- weight: 1.6kg



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