

VERTICAL WIND TURBINE

STARTER KIT



FEATURES

- Made in the USA with recycled plastics
- Great for students as young as first grade

CURRICULUM

RESEARCH

- Define different types of energy
- How atmospheric changes affect turbines
- Understand air temperature and pressure

ENGINEERING

- Build a wind turbine
- Identify the components of a wind turbine
- Learn how electricity is generated

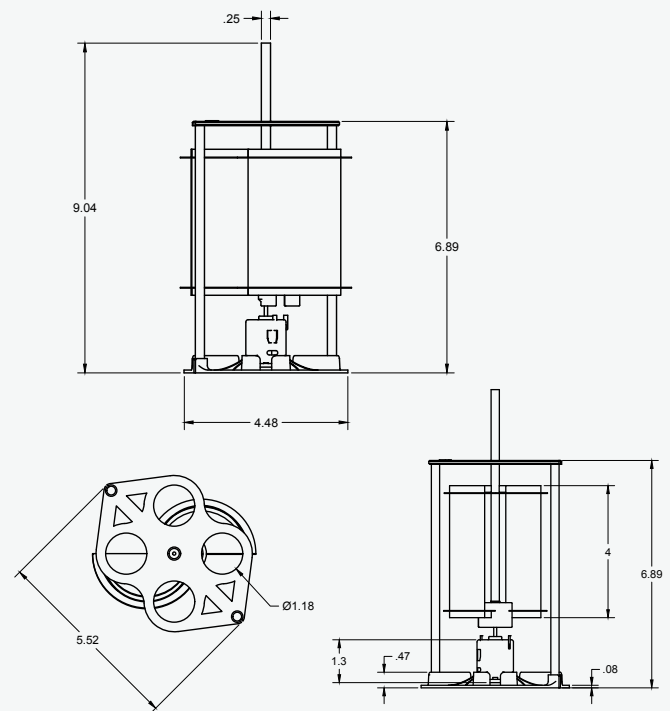
DESIGN

- Define the components of a circuit
- Define the four aerodynamic forces
- Design & test improvements for turbines

PRODUCT DESCRIPTION

Explore the power of wind energy with our Horizontal Wind Turbine! Learn how wind turbines are designed and built, and how they generate energy.

TECHNICAL DRAWINGS



SPECIFICATIONS

ITEM	SPECS
1 Base & Top	
1 Rotor Disc	
2 Blades	
3 Dowels	0.25" (6.25mm)
1 Piezo Buzzer	
1 DC Motor Adapter	6V
2 Alligator Clips	
Product Weight	2lbs, 90oz
Packaging	10" x 7" x 2"
Current / Voltage	0.5 - 6V

VERTICAL WIND TURBINE

COMPLETE LAB

Upgrade your Vertical Wind Turbine to operate with an AC Generator, Rectification Lab and Circuits 101 Labs.

INCLUDED

Vertical Starter Kit Parts

Vertical AC generator & Rectification Set

1 Solder-less Breadboard

16 Male End Wires

2 Capacitors

4 Diodes

4 Rare Earth Magnets

4 Copper Coils 200 Wind

1 Magnet Clip Set

1 Multimeter

8 Circuits 101 DC Labs

3 Resistors 10, 30, 100 Ohm

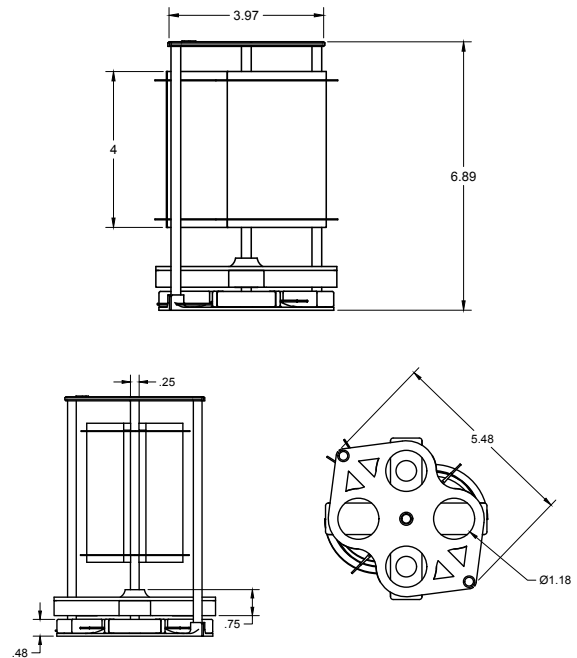
2 AA Battery Holder

1 Light Bulb 1.5V

1 Light Stand

1 Solar Panel 7.2V @ 200mA 1.44W

TECHNICAL DRAWINGS



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