

Q: What is the Air-X wind turbine?

A: Rated at 400 Watts, the Air X is the world's leading selling small turbine in its class. It is used to power small loads such as remote homes, cabins, sailboats, recreational vehicles and temporary camp sites. For size and power, it simple cannot be beat.

Q: Is the turbine quiet?

A: Yes, the Air-X™ uses electronic braking to provide over-speed protection as opposed to using blade "flutter" to slow the turbine. This leads to a much quieter turbine.

Q: What is the start-up wind speed of the Air-X?

A: 8 MPH (3.58 M/S)

Q: At what wind speed does it product maximum power?

A: 28 MPH (12.5 M/S)

Q: How to I find the AMP output?

A: Watts is Amps multiplied by volts. Divide the known watts and the voltage of the turbine you want.

Q: How long are the blades when mounted?

A: The Rotor diameter is 46 inches.

Q: What kind of power output will the Air-X provide?

A: In a 12 MPH Average wind speed, you can expect 38kWh per month. For more details visit: [http://www.windenergy.com/Air\\_X\\_Spec\\_Sheet.pdf](http://www.windenergy.com/Air_X_Spec_Sheet.pdf)

Q: Do I need a separate charge controller?

A: No. The Air-X includes an internal controller

Q: Do I need batteries.

A: Yes, the Air-X will not work without batteries. In addition, you may do damage to your turbine by running it with an open circuit.

Q: Do I need an inverter?

A: If you are interested in converting your battery power to household voltage, you will need an inverter.

Q: What wind speeds will the Air-X survive?

A: The Air X is rated to a 110 MPH survival wind speed.

Q: What material do I need for the mounting pole?

A: It must be schedule 40 steel pipe. You cannot use PVC or plastic pipe under any circumstances.

Q: What diameter pipe does it need to be?

A: 1.5 INCHES (1.9 INCH O.D., 48MM) Also known as 1.875 inch.

Q: Where do I find this pipe?

A: If a plumbing supplier does not have it, you will find it from a supplier of structural steel and pipe.

Q: Can I mount an Air-X on the roof of my house?

A: Yes. See here-- [http://www.windenergy.com/AIR\\_Tower\\_Sheet.PDF](http://www.windenergy.com/AIR_Tower_Sheet.PDF)

Q: What is the easiest tower to install?

A: The Air-X 29' EZ tower can install in under 2 hours and ships with all the materials – including pipe. [http://www.windenergy.com/owners\\_manual\\_29\\_AIR\\_Tower.pdf](http://www.windenergy.com/owners_manual_29_AIR_Tower.pdf)

Q: What wire size do I need from the wind turbine to the battery bank?

A: This depends on the distance, voltage of the turbine and number of turbines. Please see the attached wire size chart. [http://www.windenergy.com/AIR\\_X\\_Land\\_Owners\\_Manual.pdf](http://www.windenergy.com/AIR_X_Land_Owners_Manual.pdf)

Q: Can my turbine be hit by lightening?

A: Lightning, as a damaging factor, is fairly rare, despite the fact that turbine is on a tower. It can happen and will generally result in damage to the blades, the face and bearings and the circuit. You can opt to install a lightning arrestor to prevent damage (see owner's manual at the link above for details on lightning arrestors.) Lightning damage is not covered by warranty.

Q: How long is the warranty?

A: The Air-X is covered by a three year manufacturer's warranty. This covers workmanship and factory defects and/or failures. It does not cover storm damage, lightning damage, tower and turbine falls, vandalism, or foreign object strike damage to the blades.

Q: How easy is the Air-X to install?

A: The Air-X owner's manual and Air-X tower manuals offer complete, step-by-step instructions on installing your wind turbine. The Air-X was designed for install by the owner. Please also find additional information in the owner's manuals and tower manuals found on this site: [www.windenergy.com](http://www.windenergy.com)

Q: Are there accessories for the Air-X?

A: Yes, please see the common accessories listed here.

STOP SWITCH, PART NUMBER #XXA03 \$27.00

AMP METER, PART NUMBER #ZZA04 \$25.00

30 AMP CIRCUIT BREAKER (FOR 24 AND 48 VOLT TURBINES), PART NUMBER #XXA05

\$24.00 50 AMP CIRCUIT BREAKER (FOR 12 VOLT TURBINE), PART NUMBER #XXA06

\$24.00 SPARE OR REPLACEMENT AIR-X BLADE SET, PART NUMBER #AVO13 \$89.00

SPARE OR REPLACEMENT LAND NOSECONE, PART NUMBER #AAH01A \$12.00

SPARE OR REPLACEMENT MARINE NOSECONE, PART NUMBER #AAH03A \$12.00

Q: How can I order these accessories?

A: You may purchase directly from Southwest Windpower at (928)779-9463. Please ask for customer service. Or email: [partssupport@windenergy.com](mailto:partssupport@windenergy.com)

Q: What is the difference between the Air X and Air Marine?

A: The Air Maine has been treated and powder-coated to withstand a salt environment. It is designed for use on sailboats or land use in a salty environment (within 10 miles of a seashore.) Both units are available in -12 VOLT, 24 VOLT AND 48 VOL versions.

Q: Is there a marine tower kit?

A: Yes, it is called the Air-X Marine tower kit and you can purchase it through your local dealer. There are two parts to the tower kit:

AIR MARINE TOWER HARDWARE KIT, PART NUMBER #TOW-HW-KIT AIR MARINE

ALUMINUM POLE SET, PART NUMBER #TOW-POLE-AL