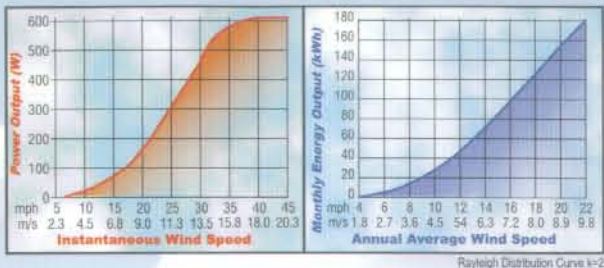


Performance Curves

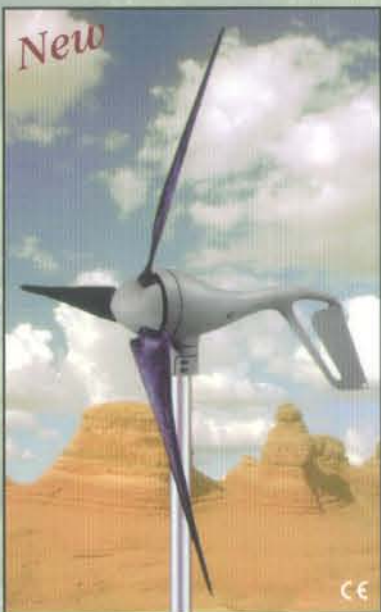


Specifications

Rotor Diameter:	46" (1.15 meters)
Weight:	13 lbs. (5.85 kg)
Mount:	1.5" (1.9" OD, 48 mm) SCH40 pipe
Start up wind speed:	7 mph (2.7 m/s)
Voltage:	12, 24, 48 VDC
Rated Output:	400 watts at 28 mph (12.5 m/s)

Features: Unprecedented 3 Year Warranty

- ↪ Exclusive new Autobrake™ slows the blades to a silent spin
- ↪ Electronics are directly heat-sinked to the body casting for increased reliability and output
- ↪ Brushless permanent magnet alternator
- ↪ High quality aluminum body castings
- ↪ Variable pitch aerolastic carbon fiber blades
- ↪ Maintenance free - only two moving parts
- ↪ Best cost per watt value of any wind turbine



AIR 403

CE



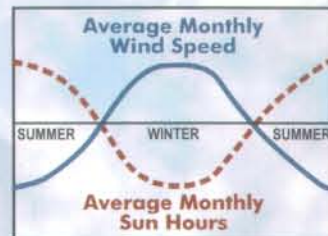
Considering Wind?

The AIR is a low cost solution to ensure your batteries stay charged on those cloudy-windy days.

The combination of solar and wind make the AIR beneficial even in low wind sites.

Ideal for those windy winter periods when the sun is at its lowest.

Seasonal Energy Resources



Benefits of Wind/PV Hybrid:

- ↪ More consistent power supply
- ↪ Lower total system cost
- ↪ Smooths out seasonal weather fluctuations
- ↪ Reduced "deep-cycling" of batteries
- ↪ Extended battery life
- ↪ Avoid noisy gas generator

"The main use of our Air Wind Module is to supplement my solar panels during the winter when there is lots of wind and no sun."

- Cohasset, California, USA

"It was more cost effective to add a wind generator than add more panels."

- Prescott, Arizona, USA

"Amazing performance for such a small machine."

- Napier, New Zealand

Southwest Windpower

Renewable Energy Made Simple

2131 N. First Street • Flagstaff, Arizona 86004 USA
Tel 520-779-9463 • Fax 520-779-1485
www.windenergy.com • E-mail info@windenergy.com

AIR POWER



New
AIR 403

An all new design
that once again
redefines how the
world looks at wind...

A revolution in wind!

Just a few years ago, we introduced a new concept in battery charging wind turbines. In only four years, over 18,000 AIRs have been installed in 150 countries.

When it comes to conventional thinking of wind turbine design and installation, the AIR breaks all the rules. With an AIR, you don't have to spend a fortune on lengthy wind data collection, heavy-duty towers, costly installation and scheduled maintenance.

Simple to use:

- Automatic regulation and operation
- As convenient as a solar panel
- Can be installed in a few hours
- Only two moving parts
- Requires no maintenance
- Only 13 lbs!



An Air 403 pairs with a PV system to supply a consistent supply of power for battery charging.

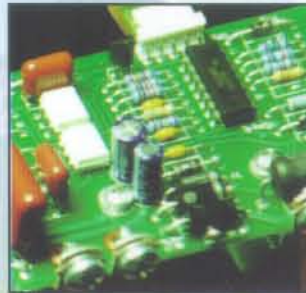
All new AIR 403

Now, the AIR 403 has more power, greater efficiency, high reliability and quieter operation all in the same size turbine.

PERFORMANCE –

An airfoil so advanced it approaches the theoretical limits of efficiency.

Combined with the new airfoil, the 403's alternator uses new arced magnets and windings that increase rated power by 30% and 50% in low winds.



CONTROL –

Unlike any other wind turbine design, the exclusive Autobrake™ regulator automatically slows the blades to a silent spin when the batteries are charged!

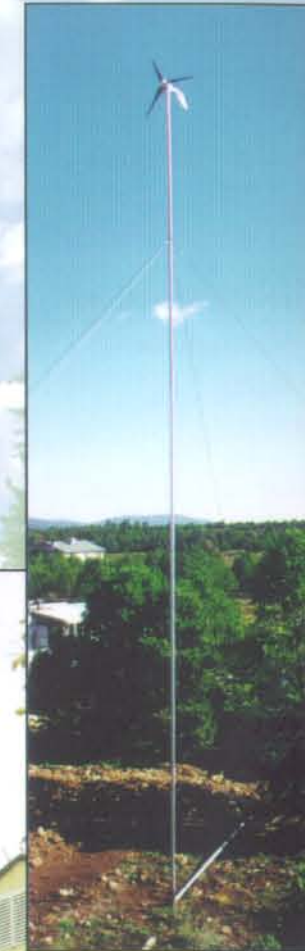
REFINEMENT –

The new body now incorporates a large heat sink that efficiently flows heat into the wind for cooler operation and increased output. A new casting process refines the fit and finish. The improved design doubles tip-to-tower clearance for greater reliability in high winds.



Tower Kits

The flexible design of the AIR allows it to be installed just about anywhere. These new low cost tower kits add a new meaning to simple installation.



Call your dealer or Southwest Windpower for complete information on towers and accessories.