

SMALL WIND. BIG ENERGY.

Why Air Breeze?

Southwest Windpower is committed to continuous improvement on our products. Since the AIR line of products was introduced in 1995, we have made vast improvements in the line. This sheet outlines the improvements made to the Air Breeze from the Air X.

What's better:

- More Energy Output
- Low Wind Startup
- Quieter Operation



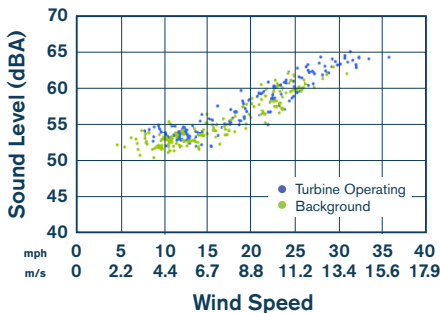
How we've done it:

New Blade Design - With 30% more area, the wider airfoil provides lower startup, improved overall performance and greater durability. The new airfoil design now includes a boundary layer disruptor or "trips" for contributing to quieter operation.

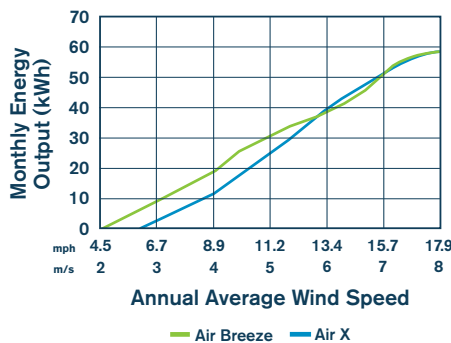
New Controller - Improved Electronic Stall Control reduces shutdowns in high winds. Improved power tracking maximizes energy production at all wind speeds. More robust FET (Field Effect Transistors).

Improved Blade Assembly - Blades easily lock into the hub with a single fastener for each blade, for quick, fool-proof attachment. Innovative new blade hub increases the strength and safety of Air Breeze without adding any additional weight or materials. Nosecone snaps in tightly for secure operation.

SOUND LEVEL*



MONTHLY ENERGY



In third-party sound testing, Air Breeze was found to emit the same sound levels as background sounds (wind and surrounding ambient noises).

Rather than focusing on Watt ratings, Southwest Windpower is moving more toward discussion around ENERGY output of products, such as kWh output, as this is how we use energy in everyday life. The measurements above show how the Air Breeze has improved outputs to the Air X, especially in lower wind speed. In higher winds, the measurements are almost the same.

Southwest Windpower

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Makers of Skystream 3.7® / AIR / Whisper

*Sound Level Study: Air Breeze on 45° tilt-up: 1-min averages. 1/30/2008 Beech Mtn, NC. Elevation: 1560 m. Downwind @ tower + r = 47'

What the Users Say

Sound emissions are tremendously improved - you have finally cracked this one!...This really is a great improvement of what was already a good product.

Nigel Calder
Princess Anne, MD

The turbine blends into the background sounds at all wind speeds. This supports the anecdotal observation that the wind turbine operates very quietly.

North Carolina Beech Mountain Study

The sound emissions are very low.

Rene Contreras
Puerto Monte, Chile

I have been buying AIR wind generators since the first model. All thumbs up! AIR has had many years running an off grid house, only requiring maintenance once even through several tropical storms. Overall: priceless.

Dr. G. Hernandez
San Juan, Puerto Rico

