

## Reliable performance in demanding environments

AIR Breeze provides energy you can count on in challenging conditions. This field-proven unit is engineered for battery-charging applications in Coastal to Desert to Arctic environments. It delivers the energy you need for communications, offshore structures, sailing or remote monitoring, just to name a few. With optimized electronic controls, AIR Breeze provides energy quietly and efficiently.



Corrosion resistant, aircraft quality paint with a marine grade O-ring seal and stainless steel fasteners, ensuring durability in challenging conditions



Pair with solar PV for redundant energy production year-round



Lightweight design is simple and easy-to-install; integrated controller for plug-and-play operation



Produces 40 kWh of energy per month\* - generating energy in a wide range of wind speeds

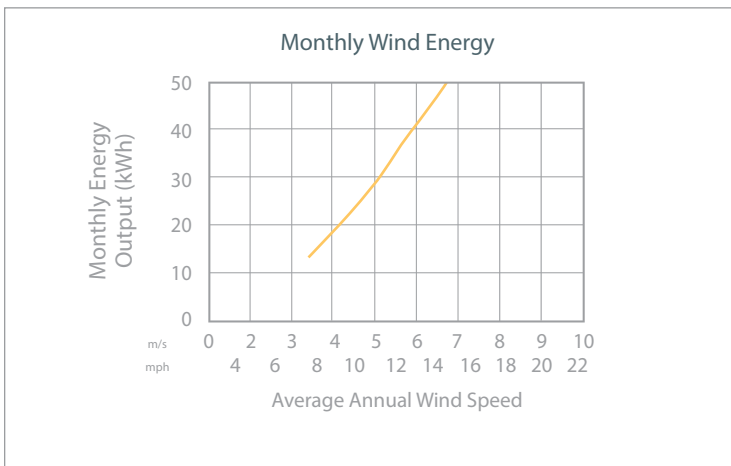


Advanced microprocessor technology for superior performance and high wind protection without mechanical braking



\*Assuming average wind speed of 5.8 m/s (13 mph). Actual performance varies with wind speed, tower height and site conditions.

## AIR Breeze



## Technical Specifications

Energy	Approx. 40 kWh/mo at 5.8 m/s (13 mph)
Swept Area	1.07 m <sup>2</sup> (11.5 ft <sup>2</sup> )
Rotor Diameter	1.17 m (46 in)
Weight	5.9 kg (13 lb)
Shipping Dimensions	686 x 318 x 229 mm (27 x 12.5 x 9 in) 7.7 kg (17 lb)
Startup Wind Speed	3.13 m/s (7 mph)
Voltage	12, 24 and 48 VDC
Turbine Controller	Mircoprocessor-based smart controller
Body	Cast aluminum with corrosion resistant paint
Blades	(3) Injection-molded composite
Alternator	Permanent magnet brushless
Overspeed Protection	Electronic torque control
Survival Wind Speed	49.2 m/s (110 mph)
Mount <sup>2</sup>	1.5 in schedule 40 pipe 48 mm (1.9 in) outer diameter
Wind Speed Operating Range	3.1-22 m/s (7-49 mph)
Optimum Wind Speed Range	4.5-22 m/s (10-49 mph)

1. Estimate based on manufacturer test data. Third party testing to IEC standards pending.  
2. Primus Windpower offers a range of tower options specifically designed to work with AIR products.

**aiR**<sup>TM</sup>BREEZE

FIVE-YEAR LIMITED WARRANTY

**ÉNERGIE**  
**MATRIX**  
ENERGY



296 Labrosse Avenue, Pointe-Claire, QC, Canada, H9R 5L8  
Tel: (514) 630-5630 Toll Free: 1-866-630-5630 Fax: (514) 426-9123  
info@matrixenergy.ca www.matrixenergy.ca

