

# aiR<sup>TM</sup> COMPLETES ANY MARINE POWER SYSTEM

- ✓ QUIET OPERATION
- ✓ NEW SILENT X CARBON FIBER "BLUE" BLADE
- ✓ UP TOWER CONTROLS
- ✓ INDUSTRY LEADING 5 YEAR WARRANTY
- ✓ INTEGRATES EASILY WITH PV

aiR<sup>TM</sup>  
*Silent*X

aiR<sup>TM</sup> BREEZE



**primuswindpower**

MANUFACTURED IN COLORADO, USA  
[www.primuswindpower.com](http://www.primuswindpower.com)

# TURBINE SPECIFICATIONS



## Technical Specifications

AIR Breeze/AIR Silent X	
<b>Energy</b>	<b>AIR Breeze:</b> Approx. 95 amp - hr. per day at 5.5 m/s (12 mph avg) <b>AIR Silent X:</b> Approx. 90 amp - hr. per day at 5.5 m/s (12 mph avg)
<b>Optimal Operating Environment</b>	<b>AIR Breeze:</b> Quiet operation in low to moderate wind regimes <b>AIR Silent X:</b> Very quiet operation in all wind regimes
<b>Swept Area</b>	1.07 m <sup>2</sup> (11.5 ft <sup>2</sup> )
<b>Rotor Diameter</b>	1.17 m (46 in)
<b>Weight</b>	5.9 kg (13 lb)
<b>Shipping Dimensions</b>	686 x 318 x 229 mm (27 x 12.5 x 9 in) 7.7 kg (17 lb)
<b>Startup Wind Speed</b>	<b>AIR Breeze:</b> 3.13 m/s (7 mph) <b>AIR Silent X:</b> 3.13 m/s (7 mph)
<b>Voltage</b>	<b>AIR Breeze:</b> 12, 24 and 48 VDC <b>AIR Silent X:</b> 12 VDC
<b>Turbine Controller</b>	Mircoprocessor-based smart controller
<b>Body</b>	Cast aluminum with corrosion resistant paint
<b>Blades</b>	<b>AIR Breeze:</b> (3) Injection-molded composite - Black <b>AIR Silent X:</b> (3) Hand laminated, carbon fiber (with low sound emissions) - Blue
<b>Alternator</b>	Permanent magnet brushless
<b>Overspeed Protection</b>	Electronic torque control
<b>Survival Wind Speed</b>	49.2 m/s (110 mph)
<b>Mount</b>	1.5 in schedule 40 pipe 48 mm (1.9 in) outer diameter
<b>Tower</b>	9 ft Marine Tower (Aluminum mast/ stays and stainless hardware)
<b>Warranty</b>	5 year limited warranty
<b>Certifications</b>	CSA (Pending)

## AIR Power Curve



\*Factors affecting turbine output include site turbulence, elevation and air temperature



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**Silent X**

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**BREEZE**