

aiRTM COMPLETES ANY MARINE POWER SYSTEM

- ✓ QUIET OPERATION
- ✓ NEW CARBON FIBER MULTICOLOR BLADE-HUB DESIGN
- ✓ UP TOWER CONTROLS
- ✓ INDUSTRY LEADING 5 YEAR WARRANTY
- ✓ INTEGRATES EASILY WITH SOLAR

aiR_{BREEZE}

aiR
Silent^{aiR}**X**

aiR^Xmarine[™]



primuswindpower

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TURBINE SPECIFICATIONS



Technical Specifications

AIR Breeze/AIR Silent X/AIR X Marine	
Energy	AIR Breeze: Approx. 95 amp-hr. per day at 5.5 m/s (12 mph avg) AIR Silent X/AIR X Marine: Approx. 90 amp-hr. per day at 5.5 m/s (12 mph avg)
Optimal Operating Environment	AIR Breeze: Quiet operation in low to moderate wind regimes AIR X Marine: Industrial application in moderate to high wind regimes AIR Silent X: Very quiet operation in all wind regimes.
Swept Area	1.07 m ² (11.5 ft ²)
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	AIR Breeze: 3.13 m/s (7 mph) AIR Silent X/AIR X Marine: 3.59 m/s (8 mph)
Voltage	12, 24 and 48 VDC
Turbine Controller	Mircoprocessor-based smart controller
Body	Cast aluminum, corrosion resistant, white aircraft quality paint with a clean "marine grade" finish
Blades	AIR Breeze/AIR X Marine: (3) Injection-molded composite - Black AIR Silent X: (3) Hand laminated, carbon fiber (with low sound emissions) - Multi-color with new precision fit hub design
Alternator	Permanent magnet brushless
Overspeed Protection	Electronic torque control
Survival Wind Speed	40.2 m/s (90 mph)
Mount	1.5 in schedule 40 pipe 48 mm (1.9 in) outer diameter
Tower	9 ft Marine Tower (Aluminum mast/ stays and stainless hardware)
Warranty	5 year limited warranty
Certifications	CE
New Digital Wind Control Panel (WCP-D) available for all AIR units and voltages	

AIR Power Curve



3 AIR Turbines - 3 Blade Set Types

TURBINE	LOCATION	APPLICATION	WIND	SOUND
AIR X Marine	Marine	Industrial - off shore	High	High
AIR Silent X	Marine	Sailing	All	Very Low (CF Blades)
AIR Breeze	Marine	Sailing - Residential	Mod.	Low

* All AIR Models are 12/24/48V - Turbine is voltage specific per the battery bank. Not field adjustable.

** All 2021 AIR turbines are Lithium-Ion Battery compatible.

