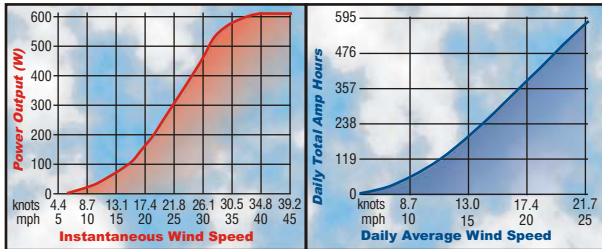


Performance Curves



based on average annual windspeed
Rayleigh Distribution Curve k=2

Specifications

| | |
|---------------------|---|
| Rotor Diameter: | 46" (1.15 meters) |
| Weight: | 13 lbs. (5.85 kg) |
| Mount: | 1.5" (1.9" OD, 48 mm) SCHED 40 pipe |
| Start up windspeed: | 6 Knots (7 mph, 2.7 m/s) |
| Voltage: | 12, 24, 48 VDC |
| Rated Output: | 400 watts at 24 Knots (28 mph, 12.5 m/s) |

Features: Unprecedented 3 Year Warranty

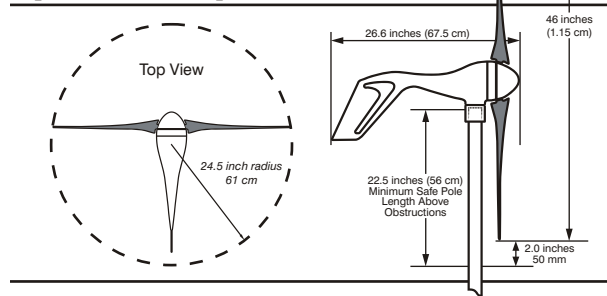
- Exclusive sophisticated internal charge controller, externally adjustable for any type of battery
- New heat-sinked electronics improve reliability, increase output and offer better control
- Exclusive new Autobrake™ slows the blades to a silent spin when the batteries are charged
- Marine quality powder coated aluminum body, all stainless steel hardware, marine grade wire, water tight housing
- Variable pitch aerolastic all carbon fiber blades
- Brushless permanent magnet alternator
- Maintenance free - only two moving parts



Installs Almost Anywhere



Sphere of Operation



"Our 10 meter yacht, *KEEPSAKE II*, was a Citration ocean cruiser and the very last piece of new equipment we installed was your fabulous and very stylish **AIR marine**. It is quite possible that without the wind generator we might not be here to 'tell the tale' since it kept us powered up to the last moment when we had to abandon ship and take to our life raft. We thank you for an excellent and efficient piece of machinery which we knew, intuitively, we absolutely needed.

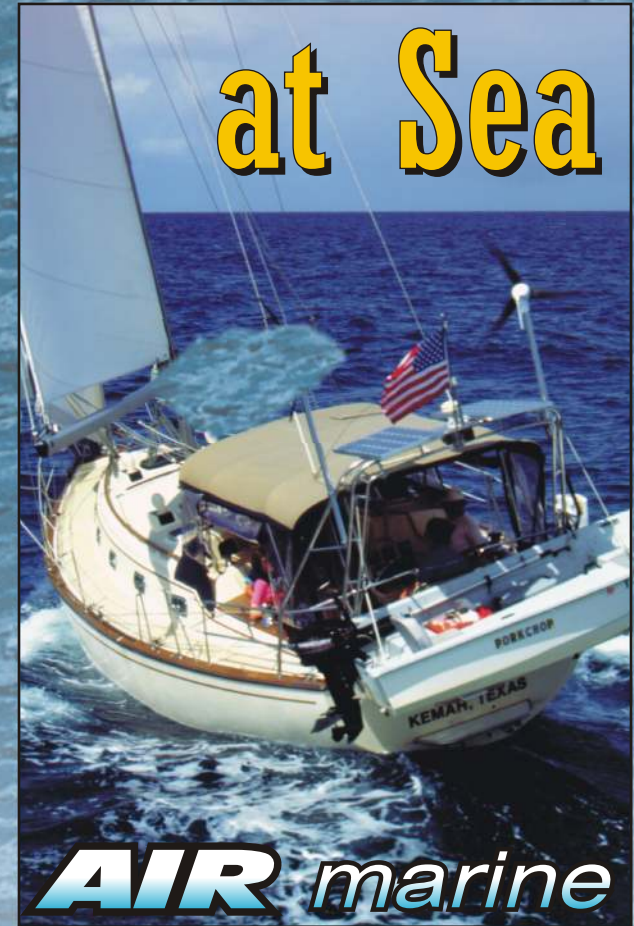
- Karel Fontaine & Kai Olausen - *KEEPSAKE II*

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

Wind Power

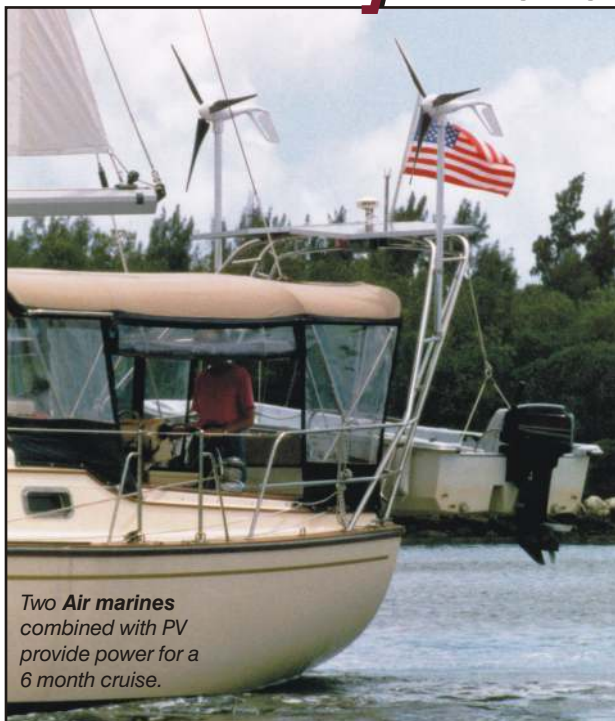
at Sea



AIR marine

Sophistication
Elegance
Performance

Power Anytime Anywhere.



Two *Air marines* combined with PV provide power for a 6 month cruise.

In just a few years, the *AIR marine* has become the standard wind turbine among blue water cruisers selling over 18,000 turbines worldwide.

Now, the *New AIR marine* is even better!

More Power: Power like you've never seen from a battery-charging wind turbine. A new alternator, more advanced airfoil and state-of-the-art electronics enhance the *AIR marine's* performance by over 30%.

Quieter Operation: The *New AIR marine* operates quieter as a result of two significant design improvements. The new alternator spins **23%** slower and our exclusive Auto-Brake™ regulator automatically slows the blades to a silent spin when the batteries are charged.

Greater Reliability: The new body design efficiently flows excess heat into the wind reducing operating temperature by **20%**. The new body also doubles tip-to-tower clearance for reliability you can count on during storm conditions.



The *Air marine* mounts quickly and easily on your boat or remote seaside location.

Applications

With only two moving parts, the *New AIR marine* is simple to install, easy to use and requires no maintenance.

The *New AIR marine* is capable of supplying power for:

- ↪ Refrigeration
- ↪ Auto-pilot
- ↪ Water maker
- ↪ Lights
- ↪ Navigational equipment
- ↪ Communication equipment

Choose the new 400 watt *AIR marine* to satisfy your

"I was able to operate all of the equipment aboard my 40 ft (12 m) sailboat including (with inverter) a microwave, coffee pot, bread maker, TV and VCR, toaster as well as 12 volt system radio, radar, lights, loran and refrigerator. The AIR marine was my only source of recharging aside from occasional engine motoring."

- Jim Brown, Captain - *Time Traveler*

"The AIR marine is the only turbine I would ever use."

- Pete Goss - 3 *Time B.O.C. Racer*



Our powder-coated tower kits make it easy to install the *Air marine*

Optional Tower Kits

- ↪ All stainless steel hardware with self-locking nuts
- ↪ Mast and stays are white powder-coated aluminum
- ↪ The 9' mast (2.7 m) has an outside diameter of 1.9" (48 mm) also known as 1.5" schedule 40 pipe. The two 9' (2.7 m) stays have an outside diameter of 1" (25.4 mm)
- ↪ Specially designed built-in vibration dampening mounts minimize noise transmission caused by wind generators
- ↪ Tilting mast base for easy installation
- ↪ Fully adjustable stay anchor base mounts
- ↪ Designed to withstand hurricane force winds
- ↪ Can be installed on transom or deck in just a few hours



Saddle Clamps



Tilting Mast Base



Stay Base