Our 10 meter yacht, KEEPSAKE II, was a Citation 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 Olaussen
- KEEPSAKE II

**Performance Curves**

- Instantaneous Wind Speed
  - 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
- Patented peak power tracking for maximum power at all wind speeds
- Exclusive 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 aerelastic all carbon fiber blades
- Brushless permanent magnet alternator
- Maintenance free - only two moving parts

**Sphere of Operation**

- Top View
- Rotor Diameter: 46" (1.15 meters)
- 24.5 inch radius (62 cm)
- 26.6 inches (67.5 cm)
- 46 inches (1.15 cm)
- Obstructions Length Above Minimum Safe Pole 22.5 inches (56 cm)

**Southwest Windpower**

Renewable Energy Made Simple

2131 N. First Street • Flagstaff, Arizona 86004 USA
Tel 928-779-9463 • Fax 928-779-1485
www.windenergy.com • E-mail info@windenergy.com
In just a few years, the AIR X marine has become the standard wind turbine among blue water cruisers selling over 70,000 turbines worldwide.

**Patented:** AIR X marine is the first of a new generation of small wind turbines. The onboard microprocessor actually monitors wind speed and optimizes output using an exclusive Peak Power Tracking feature.

**Stall Regulation:** Another patented feature allows the AIR X marine to quietly produce maximum output and then slow the blades to eliminate flutter noise.

**Reliability:** The design of the body efficiently flows excess heat into the wind reducing operating temperature which improves performance.

Applications

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

The AIR X marine is capable of supplying power for:

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

Choose the 400 watt AIR X marine to satisfy your power needs.

"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

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
- Mast and hardware kit sold separately

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Two AIR X marines combined with PV provide power for a 6 month cruise.

The AIR X marine mounts quickly and easily on your boat or remote seaside location.

Our powder-coated tower kits make it easy to install the AIR X marine.