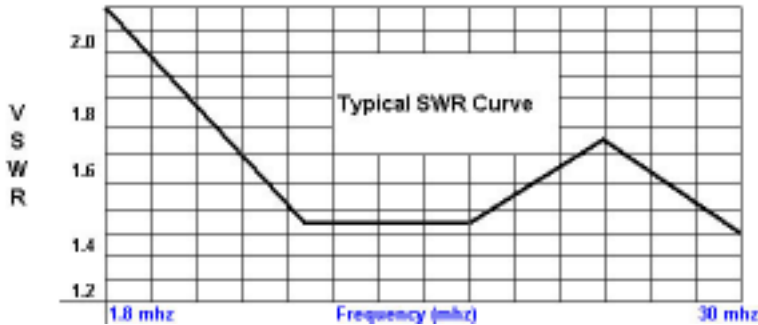


# Energy-Onix Low Power (0-1000 Watts) HF Wide Band Antenna Model HFA-1000

## Cover the Entire HF Band With One Antenna The Easy Way

True Continuous Frequency Coverage From 1.8 mhz - 30 mhz

They can offer operation over the entire HF Band with out need for an antenna tuner. Work any frequency you want with out going through a lot of knob twirling and measurements to get a good SWR match -- Just set your frequency and GO !!



True Continuous Frequency Coverage  
1.8 mhz - 30 mhz in only 90 feet.  
SWR less than 2:1 from 1.8 mhz - 30 mhz  
**NO ANTENNA TUNER REQUIRED**  
Very low noise for superior receive  
1 kw PEP SSB/CW ICAS  
# 14 Stranded copperweld or stainless wire  
50 ohm input with SO-239.  
Comes completely assembled, only 8 lbs.  
Install as flat top, inverted vee, or sloped.  
Antenna is FCC Compliant.

### Antenna Specifications

Coverage.....1.8 to 30 mhz Continuous  
Power Handling.....1000 Watts PEP  
SWR.....Less Than 2:1  
Impedance.....50 Ohms  
Weight.....8 lbs  
Length.....90 feet (30 meters)

**Installation :** Minimum Balun height should be 10 meters above ground or 4 meters above building roof. The distances involved are relatively short (1500 KM or Less), therefore the angle of radiation will be above 45 degrees, thus, the antenna will be omnidirectional.

The following equipment is required to complete the installation:

- Support Poles
- End Support Pole
- Guy Ropes (Polyester with UV Protection)
- Coaxial cable feed with PL-259 Ends



## ENERGY-ONIX

*The Transmitter People*

P.O. Box 801, 1306 River St., Valatie, NY 12184

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WEB SITE: [www.energy-onix.com](http://www.energy-onix.com)

Environmental Considerations :

Can operate at -30 to + 60 degrees at 100 % Humidity

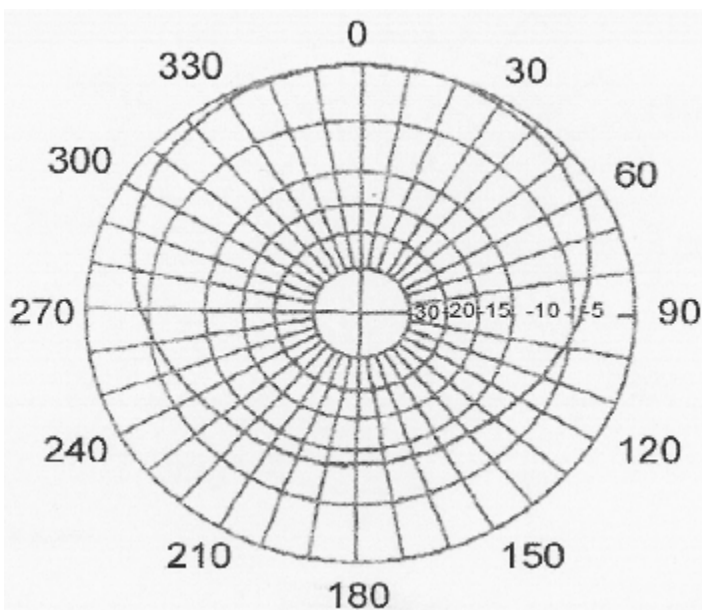
Wind Survival

At three pole configuration:

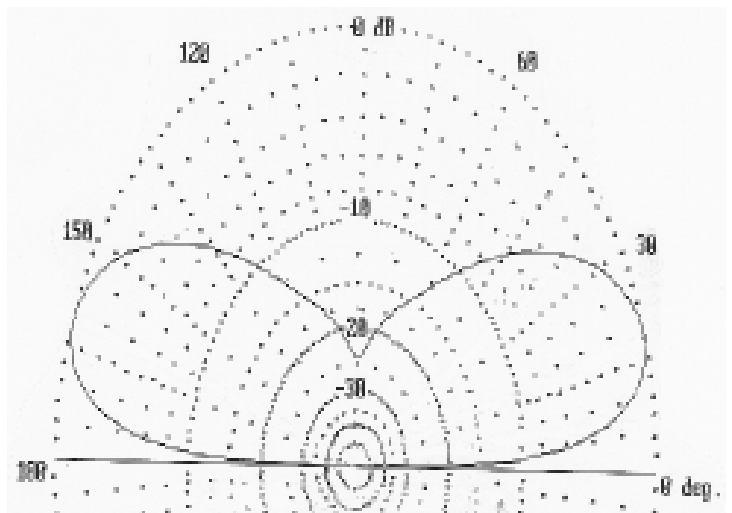
-160 mile/h (257 km/h) with no ice

-100 mile/h (160 km/h) with 1" radial ice thickness

At inverted vee configuration propagation diagrams at H and V Planes are as follows: (FR: 6 mhz)



H-PLANE



V-PLANE



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