**Vertical Axis Wind Turbine Kliux Zebra**  
**Product Specifications Sheet**  
Reviewed: 22/10/2013

**WIND TURBINE ASSEMBLY COMPONENTS**

- Vertical axis wind turbine (VAWT) Kliux Zebra.
- Gear box. Three-phase Permanent Magnet Generator.
- Steel mast with anti-corrosion painting protection.
- Wind inverter Etesian Mini 2600, 2kW, 230 Vac, 50 Hz (Santerno). Grid Connection.
- GSM/Ethernet Communications module (optional).
- Weather station (optional).
- Voltage dischargers.

**WIND TURBINE DIMENSIONS AND WEIGHTS**

- Rotor + Generator and transmission’s weight: 375.00 kg.
- Mast Weight: starting at 351 kg.
- Rotor’s diameter: 2.36 m.
- Rotor’s / Transmission’s height: 3.1 m / 0.83 m.
- Mast height: starting at 6 m.

**WIND TURBINE YIELDS**

- Nominal power: 1.800 W.
- Start up speed: 3 m/s.
- Maximum rotation speed: 70 RPM.
- RPM limited by inverter power curve and generator resistance.
- Noise at 10 m distance: 32.6 dBA.
- Durability: 25 años.

**ADDITIONAL INFORMATION**

- Blades’ material: Expanded polyurethane from Bayer MaterialScience.
- Rated output voltage: 230 Vac. (± 15%).
- Certifications: ISO: 9001, 14001 y CE.

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**WIND AVERAGE**

<table>
<thead>
<tr>
<th>ANNUAL ENERGY GENERATED (kWh)</th>
<th>WIND AVERAGE (m/s)</th>
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<tbody>
<tr>
<td>4</td>
<td>736</td>
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<tr>
<td>5</td>
<td>1.789</td>
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<tr>
<td>6</td>
<td>2.616</td>
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<td>10</td>
<td>6.296</td>
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<td>11</td>
<td>6.892</td>
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</tbody>
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**TOTAL ANNUAL ENERGY CURVE**

[Graph showing energy output vs. wind average]