

Vertical Axis Wind Turbine KLiUX Zebra

Product Specifications Sheet



UNIQUE DESIGN

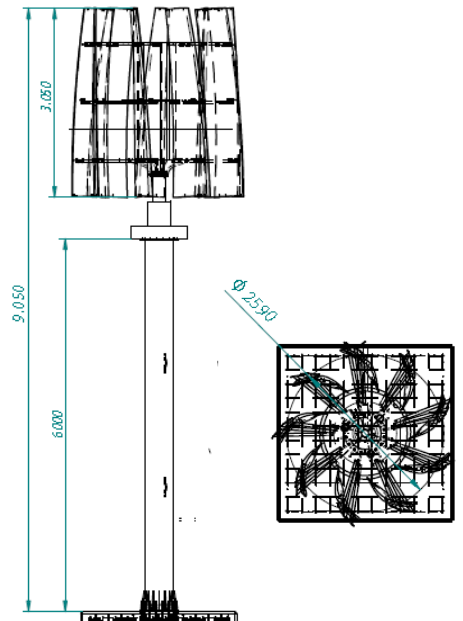
- Designed to maximize energy output in urban, residential and publicly transited areas
- Vertical-axis wind turbine with 9 blades with aerodynamic Savonius/Darreus configuration type rotor (simultaneous drag & lift) manufactured in a durable and light advanced composite material
- Internal high precision micro planetary gear box
- Low rpm Permanent Magnet Generator -PMG-
- Designed and manufactured in Spain

PRODUCT ADVANTAGES

- No startup system needed
- Minimal maintenance
- 100% Noiseless
- Aesthetic visual Integration in urban and rural locations
- Bird friendly

APPLICATIONS

- Power generation system best suited for private residences, public areas, rural tourism, sports venues, schools, universities, public parks, industrial areas, farms, water pumping stations and roads
- Front area in blades provide an excellent platform for branding and advertising



* Actual wind turbine design and measurements may be subject to change from drawing

WIND TURBINE ASSEMBLY COMPONENTS

Three-phase Permanent Magnet Generator
High precision micro planetary gearbox
Steel mast with anti-corrosion painting protection
Wind inverter
Wind Controller
Voltage discharger/Dump Load
Communications module / Web box (optional)
Weather station & Anemometer

WIND TURBINE DIMENSIONS AND WEIGHTS

Rotor + Generator and transmission's weight: 375,00 kg.
Rotor's swept area: 2,60m x 3,05m (7.93 m²)
Rotor's / Transmission's height: 3,05 m / 0,83m
Mast height: starting at 3 m
Mast Weight: starting at 250 kg.

WIND TURBINE YIELDS

Nominal power: 2.000 W
Start up speed: 3 m/s
Maximum rotation speed: 60 RPM
RPM limited by inverter power curve and generator resistance
Noise at 10 m distance and 6m/s: 32'6 dBA
Durability: 25 years

ADDITIONAL INFORMATION

Blades' material: Expanded polyurethane
Rated output voltage: 230 Vac. (± 15%)
Certification: CE
Certifications in progress: IEC 61400-2/-11/-12, AWEA 9.1, BWEA 2009 Std.

