Winglette

WIND POWER FOR YOU...

Electricity For you...

Outstanding Features...

Model W03

PICTURE GALLERY

The ***Winglette*** wind turbines, have evolved through a process of many years of design, development and building of wind machines. They are products of a **high level of skill** in engineering, design and manufacturing which ensures their **reliability,** ruggedness, and life expectancy.

Blades Design.

The basis for the aerodynamic design of the blades is to extract maximum amount of energy from low to medium wind speeds. It's **advanced airfoil technology** aims at optimum efficiency at low to medium speed wind condition.

- Diameter from tip to tip is 3.6m
- The "swept area" of the blades is 10.2 square meters.
- The twist distribution of the blade varies from 27 deg. at the root to 4 deg. at the tip.
- Its optimum tip speed ratio is between 4.8 and 6.0
- At values higher than 3 m/s, the power coefficient of the Winglette blades approach 4.8
- The blades can operate safely in wind speeds up to 200 kilometers per hour.
- To the blades was added a low drag/noise tip that can be seen in the pictures of the machines.
- It's special profiled leading edges, enhance performance.
- The ***Winglette's*** blades show amuch wider range of efficiencies that most existing competitors due to its wide low drag bucket.
- The blades are light, strong and almost non-flexible.
- At the root the blades are assembled with two 20mm high tensile bolts.
- At values higher than 3 m/s, the power coefficient of the Winglette blades approach 4.8
- The blades also prove to be more efficient if the blades become dirty from dirt or bugs and thus producing more power that most other designs.
- This range of efficiencies improve matching blades to the alternator for optimum output.
- The airfoil design made it efficient over a wide range of wind speeds.

Choose today:
...the wind is blowing...
..the power is there...
...take your share...

- The blade's surface is protected with UV-stabilized paint.

The purpose of this design is to have **a machine that performs well** in locations with only low to medium wind conditions. This ***Winglette*** wind turbine fulfils this objective very well... **.**

To receive a competitive price for a ***Winglette*** wind generator system, that will suit you, ***please click here.***

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