

## High Quality Micro Wind Turbines

Our SkyWind NG is the very first micro wind turbine designed with the same passion and expertise currently known only from large scale megawatt turbines.

Key aspects are its high power and durability at comparatively small size and weight. Its patented all metal design provides unique strength and an unmatched service life. Every turbine consists of a nacelle with rotor and grid inverter (230V and 110V available). All components are prepared for quick installation. There's no need to program the inverter or balance the rotor - it's all just plug and play!

### Unique Features

Guaranteed power performance curve (see backpage)  
Patented all-metal construction  
All-in-one system including inverter and dumpload

### Pricing

#### SkyWind, Standard Edition

Your choice for sites with wind conditions up to 5.5 m/s

Minimum order quantity: 5  
Price: Beginning @

#### SkyWind, Edition EX

Your choice for sites with wind conditions above 5.5 m/s

Minimum order quantity: 10  
Price: Beginning @

Product contents:

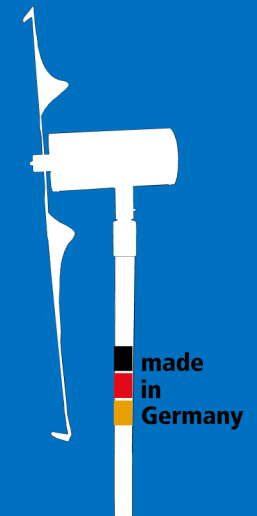
- Blade RAL 7037, aluminum or stainless-steel (Edition EX)
- Nacelle incl. Generator RAL 7016,
- Mast fitting for 60mm diameter tube RAL 7016
- Preset 1.000 W grid inverter (230 or 110 V available)

Our micro turbine was designed using state of the art technologies like CFD's (computational fluid dynamics) and is manufactured with 6-axis CNC machining centers. While design and metalwork is done in Germany, the DC-machine is made in america and assembled with the turbine in the world reknown city of Hanover, Germany. Due to the outstanding aerodynamic performance the turbine generates only very low noise emissions. In fact it is so quiet it is approved for use in german residential-only areas!

Our technology is patented: United States Patent #US 2012/0177502 A1

## Specification:

|                      |                          |
|----------------------|--------------------------|
| Rotor Diameter       | 1.50 m                   |
| Lengh                | 0.40 m                   |
| Swept Area           | 1.80 m <sup>2</sup>      |
| TSR:                 | 8.5                      |
| Cut in:              | 4 m/s                    |
| Design Windspeed:    | 8 m/s                    |
| Rated Windspeed:     | 14 m/s                   |
| Survival Windspeed   | 42 m/s or 60 m/s         |
| Rated Power:         | 1.000 W                  |
| Weight:              | 15.5 kg                  |
| Max. Thrust:         | 250 N                    |
| Internal Resistance: | 1.1 Ohm                  |
| Voltage (DC):        | 15 - 70 V                |
| Max. Current:        | 30 A                     |
| Blade:               | Aluminium or Prem. Steel |
| Temperature:         | -40°C - 100°C            |
| Warranty:            | 36 month                 |

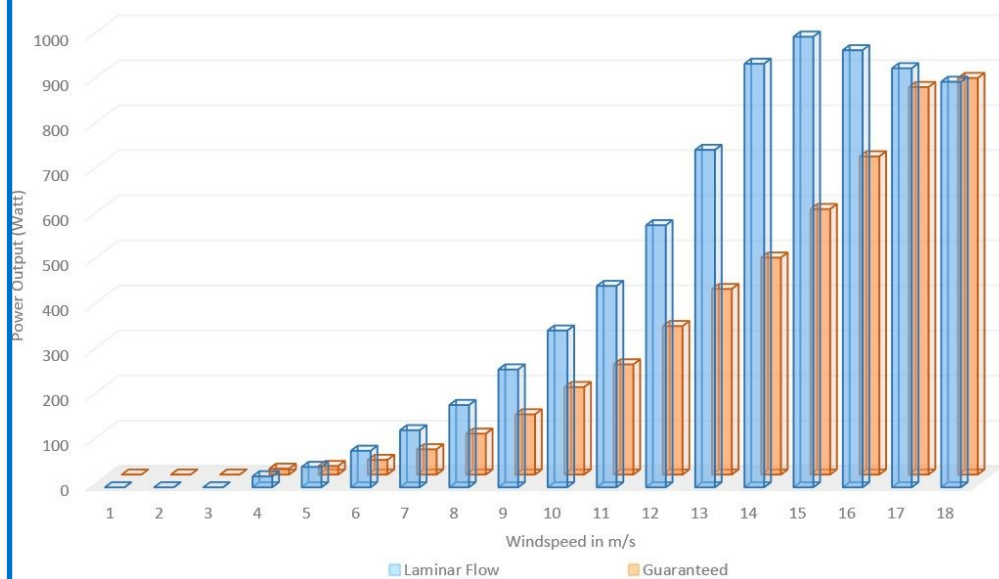




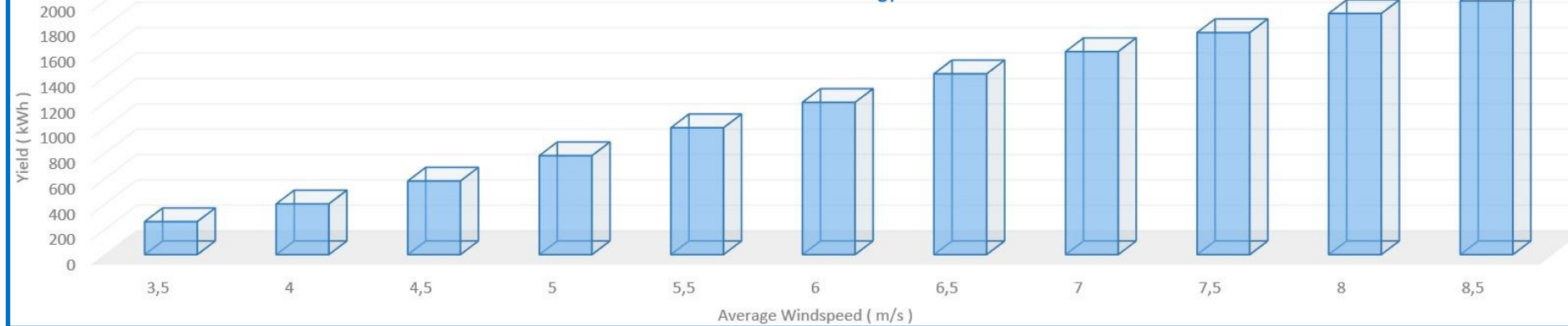
**SkyWind NG**  
**The Sky is the Limit**  
Next Generation Windpower

**made  
in  
Germany**

Power Performance Curve



Annual Energy Production



Power production calculated for  $k=1.8$ , Power performance curve guaranteed for air density of  $1,293\text{kg/m}^3$ , Production may vary due to turbulence.