

MINI WIND TURBINE 5000

Wind energy



The **Mini Wind Turbine 5000** is a device for the supply of electrical energy in isolated locations (domestic consumption), pumping systems and the sale of energy to electricity companies.

TECHNICAL DESCRIPTION

The **Mini Wind Turbine 5000** was designed to provide high efficiency with moderate or low winds, enabling the supply of electricity in isolated locations, using only this technology. No back-up from photovoltaic panels is required, thereby increasing the cost efficiency of the installation.

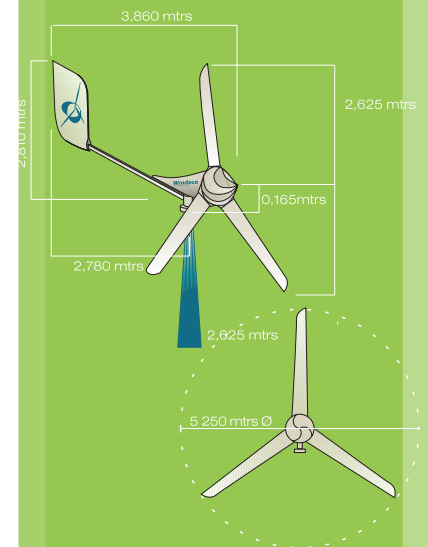
The **Mini Wind Turbine 5000** consists of a 3-blade wind turbine that drives a synchronous, permanent magnet, alternating current alternator.

GENERAL TECHNICAL CHARACTERISTICS

- Technology and designed
- Higher efficiency
- Maximum operating range (System to regulate aerodynamic rotor torque demand)
- Predictive control
- Sturdier design and construction
- Low maintenance and high reliability (large diameter, self lubricating watertight bearings)
- Innovating energy transmission design
- Large diameter rotor and large surface blades (optimum power at very slow rotating speed: 180 RPM)
- High durability in aggressive atmospheres
- New safety system (automatic disorientation system AUTO-FURL)
- Manufactured with special anticorrosion paints

ADVANTAGES

- 2-year guarantee
- Higher efficiency
- Less maintenance and higher reliability
- High durability
- Protections
- New safety system
- Simple to install
- Sturdy



APPLICATIONS

- Domestic consumption
- Water pumps
- Supply to mains network
- Battery charging
- Telecom backing

TECHNICAL SPECIFICATIONS

Electrical specifications	
Type of alternator	Permanent magnet asynchronous
Transport voltage	150 V - 450 Vac 3 ~
Maximum transport voltage	750 Vac 3 ~

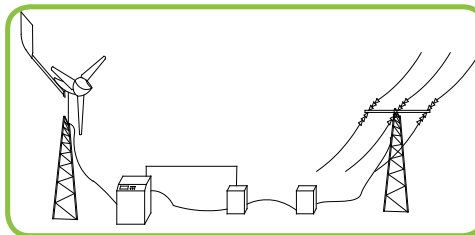
General specifications	
Temperature range	-16° C a 60°C
Wind turbine weight	175 Kgs
Start-up speed	2 m/s
Nominal turning speed	150 rpm
Maximum turning speed	180 rpm
Maximum operating speed	18 m/s
Warranty	2 years

Characteristics	
Rotor diameter	5 metros
Number of blades	3
Blade angle	120°
Weight of wind turbine	250 kg
Stop speed	1.5 m/s
Productions speed	3 m/s
Orientation system	Self-steering wind vane
Rotation speed control system	Variable torque electronic control
Disorientation system	Auto-furl
Height of Tower	15 mts

*These specifications may be changed without prior warning.
For any other technical need or modification of stocks, please contact us.*

APPLICATIONS

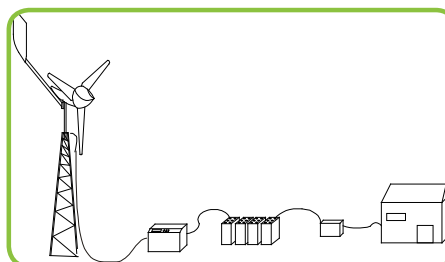
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Supply to mains
electricity network

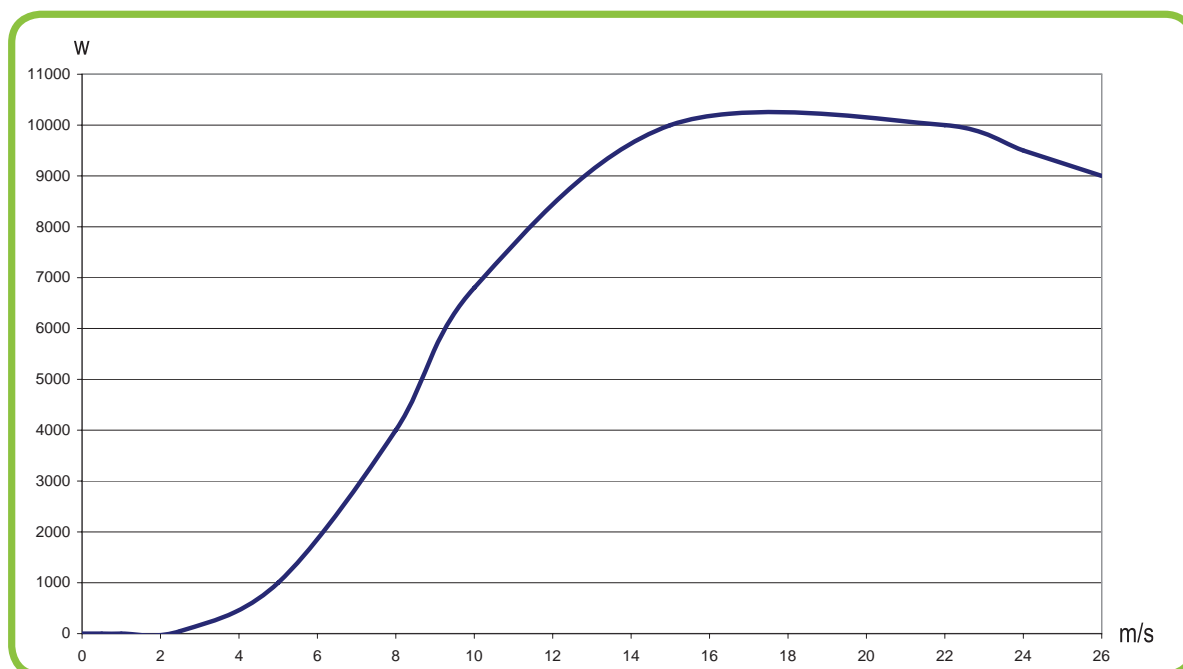


Pumping



Isolated
(domestic consumptions)

POWER CURVE



These specifications may be changed without notice

