

WIND TURBINE
ECOROTE 5000

CODE: HIP-TURIBNA5000



DESCRIPTION AND TECHNICAL CHARACTERISTICS:

A 5000W wind turbine is a modern solution for those seeking an efficient and environmentally friendly source of electrical energy. Its robust construction and advanced technologies enable effective harnessing of wind energy, making it an excellent choice for homes, businesses, or other facilities aiming to utilize renewable energy sources.

This turbine is characterized not only by high efficiency but also by low noise levels, making it suitable for both urban and rural areas. Its aesthetic design, combined with advanced technologies, makes it not only a source of energy but also an architectural element. Thanks to its ability to operate in grid-connected mode (connected to the power grid) and compliance with safety standards, this turbine is not only efficient but also safe for users and the environment.

TECHNICAL DATA:

Turbine power	5000W
Rotor diameter	2,9 M
Turbine height	3,99 M
Start-up speed	1,25 M/S
Rated speed	12 M/S
Total weight	250 - 280 KG
The number of blades.	3
Blades and arms	Aluminum construction tested for strength in extreme conditions.
Brake	Electromagnetic
Operating system	On grid - one-phase
Controller	Microprocessor
Generator output voltage	AC
Noise level acc to PN-EN 61400-11 standards	<46 db at 8 M/S distance of 60 M
Operating temperature	From -40 °C till 70
Corrosion protection	Anodizing, galvanizing, paint coating
Usable mast types	Concrete poles, metal poles, trusses, and roof bases - the possibility of producing structures according to individual orders.
Mast dimensions	From 2 till 25M
Compliance with standards	CE, IEC 61400-2, 61400-11
Turbine warranty	5 years*

*possibility of paid extension of the turbine warranty up to 10 years