

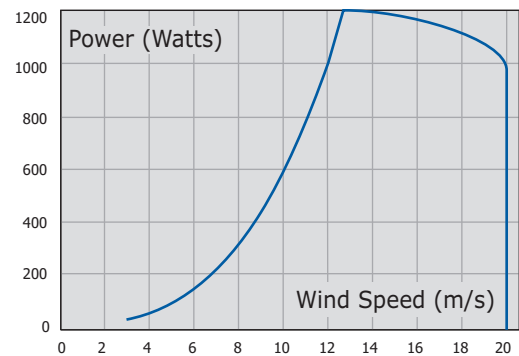
VENCO-Twister-1000-T

Vertical Axis Wind Turbine



The VENCO-Twister-1000-T is designed to start rotating at 1.5 m/s wind speed and to produce power at a wind speed of 3.5 m/s. Due to his special design the VENCO-Twister-1000-T is operating virtually quiet.

The robust construction is without wearing parts. It needs low maintenance and works reliable even under extreme conditions.



VAWT output rates 1000 Watts at 12 meters per second.



Technical Data

Rotor	Rotor type	Vertical Axis Wind Turbine (VAWT)
	Rated output	1000 W
	Rated wind speed	12 m/s
	Max. Power	1200 W
	Cut-in wind speed	3.5 m/s
	Cut-off wind speed	20 m/s
	Yaw control	Not required
	Rotor speed control	Microcontroller guided
	Survival wind speed	50 m/s
	Rotor diameter	1.9 m
	Blade height	1.9 m
	Swept area	3.61 m ²
	Gear box	No gear box
	Brake systems	Eddy current and short circuit
	Safety system	Self supplying generator control (patent pending)
Generator	Generator type	Three-phase synchronus generator, PM shrunk-on-disk-rotor
	Voltage	0 to 400 V DC
	Electronics	Overvoltage and safety controller; Prepared for grid inverter connection
Materials	Struts	Galvanised steel
	Generator casing	Galvanised steel / stainless steel
	Rotor blades	Epoxy glass and carbon resin
Miscellaneous	Weight incl. mini-pole	apx. 150 kg
	Warranty period	2 Years

As at 8-2008 - Technical changes preserved.