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VENCO-Twister-1000-T



The Venco-Twister-1000-T is designed to start rotating at 1.5 m/s wind speed and to begin 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 is maintenance free and works reliable even under extreme conditions.

The unit is also available without eddy current brake as [VENCO-Twister-1000-TL](#).



VENCO-Twister-1000-T

Technical Data Wind 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	1.5 m, power producing at 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
Tip speed ratio (tsr)	2.3
Gear box type	No gear box
Brake system	Eddy current brake and short circuit
Safety system	Self Supplying Generator Control (patent pending)

Technical Data Generator

Generator type	PM shrunk-on-disk rotor
Voltage	0 to 400 V DC
Electronics	Microcontroller guided speed control

Electronics overvoltage and safety controller;
prepared for grid inverter connection

Safety system Self Supplying Generator Control
(patent pending)

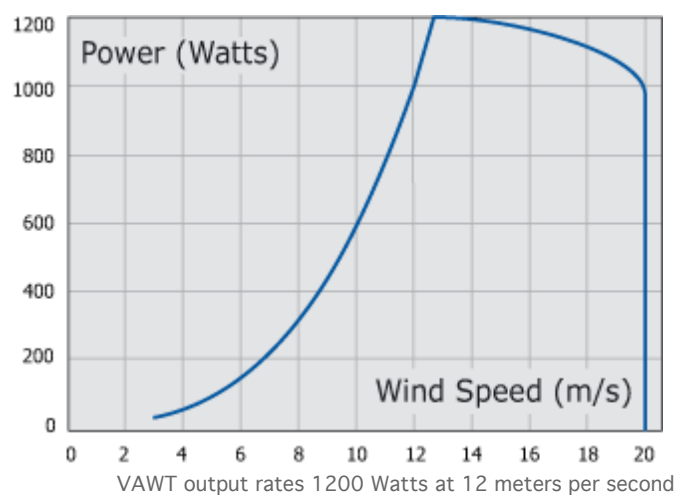
Technical Data Materials

Rods Galvanised steel
Generator casing Galvanised steel
Rotor blades Epoxi glass resin

Miscellaneous

Weight incl. mini-pole apx. 150 kg
Warranty period 2 Years
Technical changes preserved

To calculate an estimated annually power output for your personal location, please use the **VENCO Power Calculator**



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