

## 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 maintainance free and works reliable even under extreme conditions.

The unit is also available without eddy current brake as VENCO-Twister-1000-TL.

### 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<sup>2</sup>

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

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