

VENCO-Vertikon-H50

The VENCO-Vertikon-H50 is a wind turbine with flexible speed frequency. The robust construction features low maintenance needs and minimal noise emissions.

Due to its special design the VENCO-Vertikon-H50 is optimised for low windspeeds of Wind Class IV. It works reliable even under extreme conditions.

Technical Data Wind Rotor	Rotor blade type	Vertical Axis Wind Turbine (VAWT)
Rated output		
50 kW		
Rated wind speed		
12 m/s		
Max. Power		
55 kW		
Cut-in wind speed		
2.0 m/s, power producing at 2.5 m/s		
Cut-off wind speed		
13 m/s		
Yaw control	Not required	
Rotor speed control		
Variable via Microprocessor		
Survival wind speed		
50 m/s		
Rotor diameter		
12.0 m		
Blade height		
12.5 m		
Swept area		
150.0 m ²	Gear box type	
Spur gear		
Gearing	1:29	
Brake system		
Disc brake, short circuit		

Technical Data Generator	Generator type	Asynchronus generator
Manufacturer	Siemens	
Voltage		
0 to 400 V	Grid connection	
Via converter		
ElectronicsSPS		

Technical Data Materials	Rods	Epoxy glass resin	Mast
Galvanised steel			
Rotor blades			
Epoxi glass resin			

Miscellaneous	Mast type	Lattice tower
Hub height		
35 m		
Warranty period	2 Years	

Technical changes preserved

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