

# V39/500 (Vestas)

## Main data

Rated power: 500 kW  
Rotor diameter: 39 m  
Old model  
Offshore model: no  
Commissioning: 1991

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 1194.6 m<sup>2</sup>  
Power density: 2.39 m<sup>2</sup>/kW  
Maximum speed: 30 rd/min  
Manufacturer: Vestas

## Tower

Minimum hub height: 40 m  
Maximum hub height: 53 m

## Weights

Nacelle: 18 t  
Rotor + hub: 3,5 t  
Tower: 58 t  
Total: 79,5 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 50  
Manufacturer: Hansen

## Wind speeds

Cut-in wind speed: 4,5 m/s  
Rated wind speed: 15,5 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC  
Number: 1  
Maximum speed: 1522 rd/min  
Voltage: 690 V  
Manufacturer: Siemens

