

# V90/3000 (Vestas)

## Main data

Rated power: 3000 kW  
Rotor diameter: 90 m  
Old model  
Class: IEC Ia/Ila  
Offshore model: no  
Commissioning: 2002

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 6361.7 m<sup>2</sup>  
Power density: 2.12 m<sup>2</sup>/kW  
Maximum speed: 18,4 rd/min  
Manufacturer: Vestas

## Tower

Minimum hub height: 65 m  
Maximum hub height: 105 m  
Manufacturer: Vestas

## Weights

Nacelle: 68 t  
Rotor + hub: 28 t  
Tower: 155 - 235 t  
Total: 251 - 331 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 104,5

## Wind speeds

Cut-in wind speed: 3,5 m/s  
Rated wind speed: 16,5 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC  
Number: 1  
Maximum speed: 1680 rd/min  
Voltage: 1000 V

