

# V80/2000 (Vestas)

## Main data

Rated power: 2000 kW  
Rotor diameter: 80 m  
Old model  
Class: IEC Ia (DIBt III)  
Offshore model: no  
Commissioning: 2000

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 5026.5 m<sup>2</sup>  
Power density: 2.51 m<sup>2</sup>/kW  
Maximum speed: 19 rd/min  
Manufacturer: Vestas

## Tower

Minimum hub height: 60 m  
Maximum hub height: 100 m  
Manufacturer: Vestas

## Weights

Nacelle: 68 t  
Rotor + hub: 37 t  
Tower: 122 - 198 t  
Total: 227 - 303 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 100,5

## Wind speeds

Cut-in wind speed: 3,5 m/s  
Rated wind speed: 14,5 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC  
Number: 1  
Maximum speed: 1909 rd/min  
Voltage: 690 V

