

# G90/2000 (Gamesa)

## Main data

Rated power: 2000 kW  
Rotor diameter: 90 m  
Old model  
Class: IEC IIIa (BIDt II)  
Offshore model: no  
Commissioning: 2005

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 6361.7 m<sup>2</sup>  
Power density: 3.18 m<sup>2</sup>/kW  
Maximum speed: 19 rd/min  
Manufacturer: Gamesa

## Tower

Minimum hub height: 55 m  
Maximum hub height: 100 m  
Manufacturer: Gamesa

## Weights

Nacelle: 65 t  
Rotor + hub: 50 t  
Tower: 153 - 286 t  
Total: 268 - 401 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 100,5  
Manufacturer: Echesa, Fellar, Hansen, Lohman

## Wind speeds

Cut-in wind speed: 2,5 m/s  
Rated wind speed: 12 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC  
Number: 1  
Maximum speed: 1900 rd/min  
Voltage: 690 V  
Manufacturer: Indar, Cantarey, ABB

