

# G87/2000 (Gamesa)

## Main data

Rated power: 2000 kW  
Rotor diameter: 87 m  
Old model  
Class: IEC IIa (BIDt II)  
Offshore model: yes  
Commissioning: 2005

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 5944.7 m<sup>2</sup>  
Power density: 2.97 m<sup>2</sup>/kW  
Maximum speed: 19 rd/min  
Manufacturer: Gamesa

## Tower

Minimum hub height: 67 m  
Maximum hub height: 100 m  
Manufacturer: Gamesa

## Weights

Nacelle: 65 t  
Rotor + hub: 40 t  
Tower: 153 - 286 t  
Total: 258 - 391 t

## Gearbox

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

## Wind speeds

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

## Generator

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

