

# G52/850 (Gamesa)

## Main data

Rated power: 850 kW  
Rotor diameter: 52 m  
Old model  
Class: IEC Ia  
Offshore model: no  
Commissioning: 2001

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 2123.7 m<sup>2</sup>  
Power density: 2.5 m<sup>2</sup>/kW  
Maximum speed: 30,8 rd/min  
Manufacturer: Gamesa

## Tower

Minimum hub height: 44 m  
Maximum hub height: 65 m  
Manufacturer: Gamesa

## Weights

Nacelle: 23 t  
Rotor + hub: 10 t  
Tower: 40 - 91 t  
Total: 73 - 124 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 61,74  
Manufacturer: Echesa, Fellar, Hansen, Lohman

## Wind speeds

Cut-in wind speed: 4 m/s  
Rated wind speed: 16 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

