

G83/2000 (Gamesa)

Main data

Rated power: 2000 kW
Rotor diameter: 83 m
Old model
Class: IEC IIA
Offshore model: no
Commissioning: 2004

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5410.6 m²
Power density: 2.71 m²/kW
Maximum speed: 19 rd/min
Manufacturer: Gamesa

Tower

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

Weights

Nacelle: 72 t
Rotor + hub: 46 t
Tower: 151 - 286 t
Total: 260 - 395 t

Gearbox

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

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