

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 m²
Power density: 2.5 m²/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

