

2.5-100 (GE Energy)

Main data

Rated power: 2500 kW
Rotor diameter: 100 m
Old model
Class: IEC lib/IIIa (BIDt II)
Offshore model: no
Commissioning: 2006

Rotor

Number of blades: 3
Type: Pitch
Swept area: 7854 m²
Power density: 3.14 m²/kW
Maximum speed: 14,1 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 75 m
Maximum hub height: 100 m

Weights

Nacelle: 85 t
Rotor + hub: 52 t
Tower: 241 t
Total: 378 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 117,4

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 11,5 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1650 rd/min
Voltage: 690 V