

3.0s (GE Energy)

Main data

Rated power: 3000 kW
Rotor diameter: 90 m
Old model
Class: IEC Ib
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 6361.7 m²
Power density: 2.12 m²/kW
Maximum speed: 18,66 rd/min
Manufacturer: GE Energy

Tower

Minimum hub height: 70 m
Maximum hub height: 70 m

Weights

Nacelle: 85 t
Rotor + hub: 49 t
Tower: 186 t
Total: 320 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 107,85

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: 1813 rd/min
Voltage: 690 V