

3.0sl (GE Energy)

Main data

Rated power: 3000 kW

Rotor diameter: 94 m

Old model

Class: IEC IIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 6939.8 m²

Power density: 2.31 m²/kW

Maximum speed: 17,14 rd/min

Manufacturer: GE Energy

Tower

Minimum hub height: 85 m

Maximum hub height: 85 m

Weights

Nacelle: 85 t

Rotor + hub: 50 t

Tower: 145 t

Total: 280 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 117,4

Wind speeds

Cut-in wind speed: 3 m/s

Rated wind speed: 13,5 m/s

Cut-off wind speed: 25 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1813 rd/min

Voltage: 690 V