

ev100 (Eviag)

Main data

Rated power: 2500 kW

Rotor diameter: 100 m

Old model

Class: IEC IIIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 7854 m²

Power density: 3.14 m²/kW

Maximum speed: 16,5 rd/min

Manufacturer: LM Glasfiber

Tower

Minimum hub height: 85 m

Maximum hub height: 100 m

Weights

Nacelle: 96,5 t

Rotor + hub: 55 t

Tower: 200 t

Total: 351,5 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 95,8

Manufacturer: Winergy

Wind speeds

Cut-in wind speed: 2,5 m/s

Rated wind speed: 11,5 m/s

Cut-off wind speed: 25 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1310 - 1570 rd/min

Voltage: 690 V