

ev90 (Eviag)

Main data

Rated power: 2500 kW

Rotor diameter: 90 m

Old model

Class: IEC IIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 6361.7 m²

Power density: 2.54 m²/kW

Maximum speed: 18,1 rd/min

Manufacturer: LM Glasfiber

Tower

Minimum hub height: 85 m

Maximum hub height: 100 m

Weights

Nacelle: 96,5 t

Rotor + hub: 52 t

Tower: 200 t

Total: 348,5 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 86,7

Manufacturer: Winergy

Wind speeds

Cut-in wind speed: 4,5 m/s

Rated wind speed: 13 m/s

Cut-off wind speed: 25 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1310 - 1570 rd/min

Voltage: 690 V