

AW-3000/109 (Acciona)

Main data

Rated power: 3000 kW
Rotor diameter: 109 m
Old model
Class: IEC IIa
Offshore model: no
Commissioning: 2012

Rotor

Number of blades: 3
Type: Pitch
Swept area: 9331.3 m²
Power density: 3.11 m²/kW
Maximum speed: 13,2 rd/min

Tower

Minimum hub height: 95,5 m
Maximum hub height: 120 m
Manufacturer: Acciona Windpower

Weights

Rotor + hub: 66 t
Tower: 1100 t

Gearbox

Gearbox: yes
Stages: 5
Gear ratio: 83

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 11,1 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1320 - 1584 rd/min
Voltage: 12000 V