

AW-3000/100 (Acciona)

Main data

Rated power: 3000 kW
Rotor diameter: 100 m
Old model
Class: IEC Ia
Offshore model: no
Commissioning: 2009

Rotor

Number of blades: 3
Type: Pitch
Swept area: 7854 m²
Power density: 2.62 m²/kW
Maximum speed: 14,2 rd/min

Tower

Minimum hub height: 100 m
Maximum hub height: 120 m
Manufacturer: Acciona Windpower

Weights

Nacelle: 150 t
Rotor + hub: 66 t
Tower: 1100 t
Total: 1316 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 77

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 11,7 m/s
Cut-off wind speed: 25 m/s

Generator

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