

AW-1500/77 (Acciona)

Main data

Rated power: 1500 kW
Rotor diameter: 77 m
Old model
Class: IEC IIa
Offshore model: no
Commissioning: 2006

Rotor

Number of blades: 3
Type: Pitch
Swept area: 4656.6 m²
Power density: 3.1 m²/kW
Maximum speed: 18,3 rd/min

Tower

Minimum hub height: 60 m
Maximum hub height: 80 m
Manufacturer: Acciona Windpower

Weights

Nacelle: 52,5 t
Rotor + hub: 15,2 t
Tower: 135 t
Total: 202,7 t

Gearbox

Gearbox: yes
Stages: 4
Gear ratio: 65

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

