

AW-1500/70 (Acciona)

Main data

Rated power: 1500 kW
Rotor diameter: 70 m
Old model
Class: IEC Ia
Offshore model: no
Commissioning: 2006

Rotor

Number of blades: 3
Type: Pitch
Swept area: 3848.5 m²
Power density: 2.57 m²/kW
Maximum speed: 20,2 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: 59

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 11,6 m/s
Cut-off wind speed: 25 m/s

Generator

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