

500 (PowerWind)

Main data

Rated power: 500 kW
Rotor diameter: 56 m
Old model
Class: IEC IIa
Offshore model: no
Commissioning: 2012

Rotor

Number of blades: 3
Type: Pitch
Swept area: 2463 m²
Power density: 4.93 m²/kW
Maximum speed: 24,9 rd/min

Tower

Minimum hub height: 44 m
Maximum hub height: 50 m

Weights

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 54,2

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 10 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1350 rd/min
Voltage: 690 V