

W4100 (Wind World)

Main data

Rated power: 500 kW
Rotor diameter: 40.1 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Stall
Swept area: 1262.9 m²
Power density: 2.53 m²/kW
Maximum speed: 28,2 rd/min

Tower

Minimum hub height: 41,5 m
Maximum hub height: 49,5 m

Weights

Nacelle: 26,1 t
Rotor + hub: 7,8 t
Tower: 39 t
Total: 72,9 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 53

Wind speeds

Cut-in wind speed: 2 m/s
Rated wind speed: 15 m/s
Cut-off wind speed: 20 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 690 V