

FW 2000/100 (Förde WindWerk)

Main data

Rated power: 2050 kW
Rotor diameter: 100 m
Available
Class: IEC IIIa
Offshore model: no
Licence: W2E
Commissioning: 2017

Rotor

Number of blades: 3
Type: Pitch
Swept area: 7854 m²
Power density: 3.83 m²/kW
Maximum speed: 17 rd/min

Tower

Minimum hub height: 85 m
Maximum hub height: 141 m

Weights

Nacelle: 78 t
Rotor + hub: 49,8 t
Tower: 165 - 240 t
Total: 293 - 368 t

Gearbox

Gearbox: yes
Stages: 3

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1360 rd/min
Voltage: 690 V