

# FW 2500/90 (Förde WindWerk)

## Main data

Rated power: 2500 kW  
Rotor diameter: 90 m  
Old model  
Class: IEC IIa  
Offshore model: no  
Commissioning: 2017

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 6361.7 m<sup>2</sup>  
Power density: 2.54 m<sup>2</sup>/kW  
Maximum speed: 18,1 rd/min

## Tower

Minimum hub height: 85 m  
Maximum hub height: 160 m

## Weights

Nacelle: 96 t  
Rotor + hub: 50 t  
Tower: 170 - 350 t  
Total: 316 - 496 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 72,3

## Wind speeds

Cut-in wind speed: 3,5 m/s  
Rated wind speed: 13,5 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC DF  
Number: 1  
Maximum speed: 1313 rd/min  
Voltage: 690 V