

# FW 2500/104 (Förde WindWerk)

## Main data

Rated power: 2500 kW  
Rotor diameter: 104 m  
Available  
Class: IEC IIIa  
Offshore model: no  
Commissioning: 2017

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 8494.9 m<sup>2</sup>  
Power density: 3.4 m<sup>2</sup>/kW  
Maximum speed: 16,5 rd/min

## Tower

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

## Weights

Nacelle: 96 t  
Rotor + hub: 52 t  
Tower: 170 - 350 t  
Total: 318 - 498 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 79,6

## Wind speeds

Cut-in wind speed: 3,5 m/s  
Rated wind speed: 12 m/s  
Cut-off wind speed: 25 m/s

## Generator

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