

# S77 (Nordex)

## Main data

Rated power: 1500 kW  
Rotor diameter: 77 m  
Old model  
Class: IEC IIIa (DIBt II)  
Offshore model: no

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 4656.6 m<sup>2</sup>  
Power density: 3.1 m<sup>2</sup>/kW  
Maximum speed: 17,3 rd/min  
Manufacturer: LM Glasfiber, Nordex

## Tower

Minimum hub height: 61,5 m  
Maximum hub height: 111,5 m

## Weights

Nacelle: 56 t  
Rotor + hub: 32 t  
Tower: 95 - 256 t  
Total: 183 - 344 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 104  
Manufacturer: Eickhoff, Metso, Winergy

## Wind speeds

Cut-in wind speed: 4 m/s  
Rated wind speed: 13 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC  
Number: 1  
Maximum speed: 1950 rd/min  
Voltage: 690 V  
Manufacturer: VEM, Winergy