

# N50/800 (Nordex)

## Main data

Rated power: 800 kW  
Rotor diameter: 50 m  
Old model  
Offshore model: no  
Commissioning: 1999

## Rotor

Number of blades: 3  
Type: Stall  
Swept area: 1963.5 m<sup>2</sup>  
Power density: 2.45 m<sup>2</sup>/kW  
Maximum speed: 23,6 rd/min

## Tower

Minimum hub height: 46 m  
Maximum hub height: 70 m

## Weights

Nacelle: 23,4 t  
Rotor + hub: 15,7 t  
Tower: 89 t  
Total: 128,1 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 42,3

## Wind speeds

Cut-in wind speed: 3 m/s  
Rated wind speed: 15 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC DF  
Number: 1  
Maximum speed: 1510 rd/min  
Voltage: 690 V

