

N90/2500 Offshore (Nordex)

Main data

Rated power: 2500 kW
Rotor diameter: 90 m
Old model
Class: IEC IIa (DIBt III)
Offshore model: yes
Commissioning: 2005

Rotor

Number of blades: 3
Type: Pitch
Swept area: 6361.7 m²
Power density: 2.54 m²/kW
Maximum speed: 16,8 rd/min
Manufacturer: LM Glasfiber, Nordex

Tower

Minimum hub height: 70 m
Maximum hub height: 120 m

Weights

Nacelle: 91 t
Rotor + hub: 55 t
Tower: 172 t
Total: 318 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 71,88
Manufacturer: Eickhoff, Bosch Rexroth

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1310 rd/min
Voltage: 690 V
Manufacturer: VEM, Winergy