

N80/2500 (Nordex)

Main data

Rated power: 2500 kW
Rotor diameter: 80 m
Old model
Class: IEC Ia
Offshore model: no
Commissioning: 2000

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5026.5 m²
Power density: 2.01 m²/kW
Maximum speed: 19,1 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 60 m
Maximum hub height: 105 m

Weights

Nacelle: 91 t
Rotor + hub: 50 t
Tower: 111 t
Total: 254 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 68,7
Manufacturer: Eickhoff, Bosch Rexroth

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 15 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC DF
Number: 1
Maximum speed: 1300 rd/min
Voltage: 660 V
Manufacturer: VEM, Winergy

