

N27/250 (Nordex)

Main data

Rated power: 250 kW
Rotor diameter: 27 m
Old model
Offshore model: no
Commissioning: 1987

Rotor

Number of blades: 3
Type: Stall
Swept area: 572.6 m²
Power density: 2.29 m²/kW
Maximum speed: 40 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 30 m
Maximum hub height: 50 m

Weights

Nacelle: 14,7 t
Tower: 20,7 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 25
Manufacturer: Flender

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 16 m/s
Cut-off wind speed: 16,5 m/s

Generator

Type: IND
Number: 1
Maximum speed: 1000 rd/min
Voltage: 400 V
Manufacturer: Brook, Flender, Thyssen