

N54/1000 (Nordex)

Main data

Rated power: 1000 kW

Rotor diameter: 54 m

Old model

Offshore model: no

Commissioning: 1996

Rotor

Number of blades: 3

Type: Stall

Swept area: 2290.2 m²

Power density: 2.29 m²/kW

Maximum speed: 21,5 rd/min

Tower

Minimum hub height: 60 m

Maximum hub height: 70 m

Weights

Nacelle: 56 t

Rotor + hub: 22,6 t

Tower: 105 t

Total: 183,6 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 70

Wind speeds

Cut-in wind speed: 3,5 m/s

Rated wind speed: 15,5 m/s

Cut-off wind speed: 25 m/s

Generator

Type: ASYNC

Number: 1

Maximum speed: 1513 rd/min

Voltage: 690 V