

N1000-59 (Nordic Windpower)

Main data

Rated power: 1000 kW
Rotor diameter: 59 m
Old model
Offshore model: no

Rotor

Number of blades: 2
Type: Stall
Swept area: 2734 m²
Power density: 2.73 m²/kW
Maximum speed: 25 rd/min

Tower

Minimum hub height: 60 m
Maximum hub height: 70 m

Weights

Nacelle: 40 t
Rotor + hub: 4,2 t
Tower: 63 t
Total: 107,2 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 87

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 16 m/s
Cut-off wind speed: 22 m/s

Generator

Type: IND
Number: 1
Maximum speed: 2000 rd/min
Voltage: 600 - 690 V