WD107-2000 (Windey)

Main data

Rated power: 2000 kW
Rotor diameter: 107 m
Available
Class: IEC IIa
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 8992 m2
Power density: 4.5 m2/kW
Maximum speed: 13,4 rd/min

Tower

Minimum hub height: 80 m
Maximum hub height: 160 m

Weights

Rotor + hub: 85 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 130

Wind speeds

Cut-in wind speed: 2,5 m/s
Rated wind speed: 10 m/s
Cut-off wind speed: 20 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1800 rd/min
Voltage: 690 V