

WD107-2500 (Windey)

Main data

Rated power: 2500 kW

Rotor diameter: 107 m

Available

Class: IEC IIIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 8992 m²

Power density: 3.6 m²/kW

Maximum speed: 13,9 rd/min

Tower

Minimum hub height: 80 m

Maximum hub height: 160 m

Weights

Rotor + hub: 95 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 86

Wind speeds

Cut-in wind speed: 3 m/s

Rated wind speed: 10,1 m/s

Cut-off wind speed: 20 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1200 rd/min

Voltage: 690 V