

WD88-1500 (Windey)

Main data

Rated power: 1500 kW

Rotor diameter: 88 m

Old model

Class: IEC IIIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 6082.1 m²

Power density: 4.05 m²/kW

Maximum speed: 17,2 rd/min

Tower

Minimum hub height: 65 m

Maximum hub height: 160 m

Weights

Rotor + hub: 61 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 104

Wind speeds

Cut-in wind speed: 2,5 m/s

Rated wind speed: 10 m/s

Cut-off wind speed: 25 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1800 rd/min

Voltage: 690 V