

W2000/87 (Shanghai Electric)

Main data

Rated power: 2000 kW

Rotor diameter: 87 m

Old model

Class: IEC IIa+

Offshore model: yes

Rotor

Number of blades: 3

Swept area: 5944.7 m²

Power density: 2.97 m²/kW

Maximum speed: 16,8 rd/min

Tower

Minimum hub height: 80 m

Maximum hub height: 105 m

Weights

Nacelle: 80 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 118

Wind speeds

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

Rated wind speed: 13 m/s

Cut-off wind speed: 25 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1812 rd/min

Voltage: 690 V