

S82/1500 (Suzlon)

Main data

Rated power: 1500 kW
Rotor diameter: 82 m
Old model
Class: IEC IIIa
Offshore model: no
Commissioning: 2006

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5281 m²
Power density: 3.52 m²/kW
Maximum speed: 18,4 rd/min

Tower

Minimum hub height: 82 m
Maximum hub height: 82 m

Weights

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 95,2

Wind speeds

Cut-in wind speed: 4,5 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 20 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1511 rd/min
Voltage: 690 V