S52/600 (Suzlon)

Main data

Rated power: 600 kW
Rotor diameter: 52 m
Old model
Class: IEC IIIa
Offshore model: no
Commissioning: 2006

Rotor

Number of blades: 3
Type: Pitch
Swept area: 2123.7 m2
Power density: 3.54 m2/kW
Maximum speed: 28,3 rd/min

Tower

Minimum hub height: 75 m
Maximum hub height: 75 m

Weights

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 63,6

Wind speeds

Cut-in wind speed: 4,5 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1539 rd/min
Voltage: 690 V