

S46/600 (Südwind)

Main data

Rated power: 600 kW
Rotor diameter: 46 m
Old model
Offshore model: no
Commissioning: 1997

Rotor

Number of blades: 3
Swept area: 1661.9 m²
Power density: 2.77 m²/kW
Maximum speed: 32 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 51,5 m
Maximum hub height: 74 m

Weights

Nacelle: 18 t
Rotor + hub: 11 t
Tower: 65 t
Total: 94 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 52

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 24 m/s

Generator

Type: IND
Number: 1
Maximum speed: 1750 rd/min
Voltage: 690 V
Manufacturer: Loher, Weier