

S77/1500 (Südwind)

Main data

Rated power: 1500 kW

Rotor diameter: 77 m

Old model

Offshore model: no

Rotor

Number of blades: 3

Swept area: 4656.6 m²

Power density: 3.1 m²/kW

Maximum speed: 17,3 rd/min

Manufacturer: LM Glasfiber

Tower

Minimum hub height: 61,5 m

Maximum hub height: 114,5 m

Weights

Nacelle: 56 t

Rotor + hub: 32 t

Tower: 260 t

Total: 348 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 104

Wind speeds

Cut-in wind speed: 4 m/s

Rated wind speed: 13 m/s

Cut-off wind speed: 25 m/s

Generator

Type: ASYNC DF

Number: 1

Maximum speed: 1800 rd/min

Voltage: 690 V