

1577 (Windtec)

Main data

Rated power: 1500 kW
Rotor diameter: 77 m
Old model
Class: IEC IIIa (DIBt II)
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 4656.6 m²
Power density: 3.1 m²/kW
Maximum speed: 19 rd/min

Tower

Minimum hub height: 94 m
Maximum hub height: 94 m

Weights

Nacelle: 70 t
Rotor + hub: 33 t
Tower: 200 t
Total: 303 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 104

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 11 m/s
Cut-off wind speed: 20 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1976 rd/min
Voltage: 690 V