77 (Vensys)

Main data

Rated power: 1500 kW
Rotor diameter: 76.8 m
Old model
Class: IEC IIIa (DIBt III)
Offshore model: no
Commissioning: 2007

Rotor

Number of blades: 3
Type: Pitch
Swept area: 4632.5 m2
Power density: 3.09 m2/kW
Maximum speed: 17,3 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 61,5 m
Maximum hub height: 100 m
Manufacturer: Stag

Weights

Nacelle: 50 t
Rotor + hub: 34 t

Gearbox

Direct drive

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 14,5 m/s
Cut-off wind speed: 22 m/s

Generator

Type: SYNC PM
Number: 1
Maximum speed: 17,3 rd/min
Voltage: 690 V
Manufacturer: Vensys