

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