

1.5s (GE Energy)

Main data

Rated power: 1500 kW
Rotor diameter: 70.5 m
Old model
Class: IEC II (WZ II, III)
Offshore model: yes
Commissioning: 1998

Rotor

Number of blades: 3
Type: Pitch
Swept area: 3903.6 m²
Power density: 2.6 m²/kW
Maximum speed: 22,2 rd/min
Manufacturer: LM Glasfiber, GE Energy

Tower

Minimum hub height: 54,7 m
Maximum hub height: 100 m

Weights

Nacelle: 49 t
Rotor + hub: 28 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 90
Manufacturer: Bosch Rexroth, Winergy, Metso, Eichhoff, GE Energy

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 24 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1500 rd/min
Voltage: 690 V
Manufacturer: Bosch Rexroth, VEM, Loher

