

1.5sle (GE Energy)

Main data

Rated power: 1500 kW
Rotor diameter: 77 m
Old model
Class: IEC S, IEC IIa
Offshore model: no
Commissioning: 2000

Rotor

Number of blades: 3
Type: Pitch
Swept area: 4656.6 m²
Power density: 3.1 m²/kW
Maximum speed: 20,4 rd/min
Manufacturer: LM Glasfiber, GE Energy

Tower

Minimum hub height: 61,4 m
Maximum hub height: 85 m

Weights

Nacelle: 50 t
Rotor + hub: 31 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 72
Manufacturer: Bosch Rexroth, Winergy, Metso, Eichhoff, GE Energy

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 15 m/s
Cut-off wind speed: 25 m/s

Generator

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