

1.5xle (GE Energy)

Main data

Rated power: 1500 kW
Rotor diameter: 82.5 m
Old model
Class: IEC IIIb
Offshore model: no
Commissioning: 2005

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5345.6 m²
Power density: 3.56 m²/kW
Maximum speed: 16,8 rd/min
Manufacturer: LM Glasfiber, GE Energy

Tower

Minimum hub height: 59 m
Maximum hub height: 100 m

Weights

Nacelle: 54 t
Rotor + hub: 31 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 107
Manufacturer: Bosch Rexroth, Winergy

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 20 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1800 - 1440 rd/min
Voltage: 690 - 575 V
Manufacturer: Bosch Rexroth, VEM, Loher