1.5s (Enron)

Main data

Rated power: 1500 kW
Rotor diameter: 70.5 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 3903.6 m2
Power density: 2.6 m2/kW
Maximum speed: 20 rd/min

Tower

Minimum hub height: 65 m
Maximum hub height: 100 m
Manufacturer: Pfleiderer

Weights

Nacelle: 49 t
Rotor + hub: 28 t
Tower: 132 t
Total: 209 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 90

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 11 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC DF
Number: 1
Maximum speed: 1800 rd/min
Voltage: 690 V
Manufacturer: VEM, Loher