

SWT-4.0-120 (Siemens)

Main data

Rated power: 4000 kW
Rotor diameter: 120 m
Old model
Class: IEC Ia
Offshore model: yes

Rotor

Number of blades: 3
Type: Pitch
Swept area: 11309.7 m²
Power density: 2.83 m²/kW
Maximum speed: 14 rd/min
Manufacturer: Siemens

Tower

Minimum hub height: 90 m
Maximum hub height: 90 m

Weights

Nacelle: 140 t
Rotor + hub: 100 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 119
Manufacturer: Winergy

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 13,5 m/s
Cut-off wind speed: 32 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1650 rd/min
Voltage: 690 V
Manufacturer: Siemens