

SWT-1.3-62 (Siemens)

Main data

Rated power: 1300 kW
Rotor diameter: 62 m
Old model
Offshore model: no
Commissioning: 2003

Rotor

Number of blades: 3
Type: Stall
Swept area: 3019.1 m²
Power density: 2.32 m²/kW
Maximum speed: 19 rd/min
Manufacturer: LM Glasfiber, Siemens

Tower

Minimum hub height: 68 m
Maximum hub height: 90 m

Weights

Nacelle: 50 t
Rotor + hub: 30 t
Tower: 80 - 188 t
Total: 160 - 248 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 78
Manufacturer: Winergy

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 690 V
Manufacturer: ABB

