

V90/2000 (Vestas)

Main data

Rated power: 2000 kW
Rotor diameter: 90 m
Available
Class: IEC IIa/IIIa
Offshore model: no
Commissioning: 2004

Rotor

Number of blades: 3
Type: Pitch
Swept area: 6361.7 m²
Power density: 3.18 m²/kW
Maximum speed: 17,3 rd/min
Manufacturer: Vestas

Tower

Minimum hub height: 80 m
Maximum hub height: 125 m
Manufacturer: Vestas

Weights

Nacelle: 68 t
Rotor + hub: 36 t
Tower: 206 - 335 t
Total: 310- 439 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 112,8

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 13,5 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1680 rd/min
Voltage: 690 V

