

V80/2000 (Vestas)

Main data

Rated power: 2000 kW
Rotor diameter: 80 m
Old model
Class: IEC Ia (DIBt III)
Offshore model: no
Commissioning: 2000

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5026.5 m²
Power density: 2.51 m²/kW
Maximum speed: 19 rd/min
Manufacturer: Vestas

Tower

Minimum hub height: 60 m
Maximum hub height: 100 m
Manufacturer: Vestas

Weights

Nacelle: 68 t
Rotor + hub: 37 t
Tower: 122 - 198 t
Total: 227 - 303 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 100,5

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 14,5 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1909 rd/min
Voltage: 690 V