

V90/1800 (Vestas)

Main data

Rated power: 1800 kW

Rotor diameter: 90 m

Old model

Class: IEC IIa/IIIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 6361.7 m²

Power density: 3.53 m²/kW

Maximum speed: 15 rd/min

Manufacturer: Vestas

Tower

Minimum hub height: 80 m

Maximum hub height: 105 m

Manufacturer: Vestas

Weights

Nacelle: 68 t

Rotor + hub: 38 t

Tower: 148 - 245 t

Total: 254 - 351 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 112,8

Wind speeds

Cut-in wind speed: 3 m/s

Rated wind speed: 13 m/s

Cut-off wind speed: 25 m/s

Generator

Type: ASYNC

Number: 1

Maximum speed: 1680 rd/min

Voltage: 690 V

