

V80/1800 (Vestas)

Main data

Rated power: 1800 kW

Rotor diameter: 80 m

Old model

Class: IEC IIa

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 5026.5 m²

Power density: 2.79 m²/kW

Maximum speed: 17 rd/min

Manufacturer: Vestas

Tower

Minimum hub height: 60 m

Maximum hub height: 78 m

Weights

Nacelle: 67 t

Rotor + hub: 37 t

Tower: 115 - 195 t

Total: 219 - 299 t

Gearbox

Gearbox: yes

Wind speeds

Cut-in wind speed: 3,5 m/s

Rated wind speed: 15 m/s

Cut-off wind speed: 30 m/s

Generator

Type: IND

Number: 1

Voltage: 690 V

