

V100/2750 (Vestas)

Main data

Rated power: 2750 kW

Rotor diameter: 100 m

Old model

Class: IEC I/II

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 7854 m²

Power density: 2.86 m²/kW

Maximum speed: 13,4 rd/min

Manufacturer: Vestas

Tower

Minimum hub height: 100 m

Maximum hub height: 100 m

Manufacturer: Vestas

Weights

Nacelle: 70 t

Rotor + hub: 44 t

Tower: 235 t

Total: 349 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 125

Wind speeds

Cut-in wind speed: 4 m/s

Rated wind speed: 15 m/s

Cut-off wind speed: 25 m/s

Generator

Type: ASYNC

Number: 1

Maximum speed: 1680 rd/min

Voltage: 1000 V