

V63/1500 (Vestas)

Main data

Rated power: 1500 kW

Rotor diameter: 63.6 m

Old model

Offshore model: no

Commissioning: 1995

Rotor

Number of blades: 3

Type: Pitch

Swept area: 3176.9 m²

Power density: 2.12 m²/kW

Maximum speed: 22,9 rd/min

Tower

Minimum hub height: 60 m

Maximum hub height: 60 m

Weights

Nacelle: 52,2 t

Rotor + hub: 76 t

Tower: 29,7 t

Total: 157,9 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 72

Wind speeds

Cut-in wind speed: 4 m/s

Rated wind speed: 16 m/s

Cut-off wind speed: 25 m/s

Generator

Type: ASYNC

Number: 1

Maximum speed: 1650 rd/min

Voltage: 690 V