

V27/225 (Vestas)

Main data

Rated power: 225 kW
Rotor diameter: 27 m
Old model
Offshore model: no
Commissioning: 1989

Rotor

Number of blades: 3
Type: Pitch
Swept area: 572.6 m²
Power density: 2.54 m²/kW
Maximum speed: 43 rd/min

Tower

Minimum hub height: 33,5 m
Maximum hub height: 33,5 m

Weights

Nacelle: 7,9 t
Rotor + hub: 2,9 t
Tower: 9 - 12 t
Total: 19,8 - 22,8 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 25

Wind speeds

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

Generator

Type: ASYNC
Number: 1
Maximum speed: 1008 rd/min
Voltage: 400 - 480 V
Manufacturer: Siemens, AEG, ABB

