

27/225 (Danwin)

Main data

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

Rotor

Number of blades: 3
Type: Stall
Swept area: 572.6 m²
Power density: 2.54 m²/kW
Maximum speed: 37,8 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 30 m
Maximum hub height: 39 m

Weights

Nacelle: 7,6 t
Rotor + hub: 3,5 t
Tower: 13,3 t
Total: 24,4 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 40

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 400 V