

5M (Repower)

Main data

Rated power: 5000 kW
Rotor diameter: 126 m
Old model
Class: IEC IIb (DIBt III)
Offshore model: yes
Commissioning: 2004

Rotor

Number of blades: 3
Type: Pitch
Swept area: 12469 m²
Power density: 2.49 m²/kW
Maximum speed: 12,1 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 90 m
Maximum hub height: 120 m
Manufacturer: Ambau

Weights

Nacelle: 315 t
Rotor + hub: 125 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 97
Manufacturer: Winergy

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 14,5 m/s
Cut-off wind speed: 30 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1170 rd/min
Voltage: 660 - 950 V

