

Bonus Mk-IV (Navantia-Siemens)

Main data

Rated power: 600 kW
Rotor diameter: 44 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Stall
Swept area: 1520.5 m²
Power density: 2.53 m²/kW
Maximum speed: 28 rd/min
Manufacturer: LM Glasfiber, Bonus

Tower

Minimum hub height: 40 m
Maximum hub height: 60 m
Manufacturer: Bonus

Weights

Nacelle: 22,5 t
Rotor + hub: 14,2 t
Tower: 57,5 t
Total: 94,2 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 55
Manufacturer: Flender

Wind speeds

Cut-in wind speed: 5 m/s
Rated wind speed: 15 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 690 V
Manufacturer: ABB