D8.0 (Dewind)

Main data

Rated power: 2000 kW
Rotor diameter: 80 m
Old model
Class: IEC IIa/IIIa
Offshore model: no
Commissioning: 2002

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5026.5 m2
Power density: 2.51 m2/kW
Maximum speed: 20,7 rd/min

Tower

Minimum hub height: 80 m
Maximum hub height: 80 m

Weights

Nacelle: 65 t
Rotor + hub: 35 t
Tower: 160 t
Total: 260 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 94
Manufacturer: Moventas

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 25 m/s



Generator

Type: DFIG
Number: 1
Maximum speed: 1500 rd/min
Voltage: 690 V