

WES100 (WES)

Main data

Rated power: 100 kW
Rotor diameter: 17.9 m
Available
Class: IEC II
Offshore model: no
Commissioning: 1983

Rotor

Number of blades: 2
Type: Pitch
Swept area: 251.6 m²
Power density: 2.52 m²/kW
Maximum speed: 120 rd/min

Tower

Minimum hub height: 18 m
Maximum hub height: 30 m

Weights

Nacelle: 2,2 t
Rotor + hub: 1,1 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 20
Manufacturer: Siemens

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 16 m/s
Cut-off wind speed: 24 m/s

Generator

Type: ASYNC
Number: 1
Voltage: 400 V
Manufacturer: ABB