

HW97 2.5 MW (Hewind)

Main data

Rated power: 2500 kW
Rotor diameter: 97 m
Available
Class: IEC IIa+
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 7389.8 m²
Power density: 2.96 m²/kW

Tower

Minimum hub height: 70 m
Maximum hub height: 80 m

Weights

Nacelle: 102 t
Rotor + hub: 55 t
Tower: 170 - 190 t
Total: 327 - 347 t

Gearbox

Gearbox: yes
Stages: 3

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Voltage: 690 V