

HW82 1.5 MW (Hewind)

Main data

Rated power: 1500 kW
Rotor diameter: 82.63 m
Available
Class: IEC IIIb
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 5362.5 m²
Power density: 3.57 m²/kW

Tower

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

Weights

Nacelle: 59 t
Rotor + hub: 32 t
Tower: 106 - 116 t
Total: 229 - 239 t

Gearbox

Gearbox: yes
Stages: 3

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 11,3 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Voltage: 690 V