

HW87 1.5 MW (Hewind)

Main data

Rated power: 1500 kW

Rotor diameter: 87 m

Available

Class: IEC Iva/IIIb

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 5944.7 m²

Power density: 3.96 m²/kW

Tower

Minimum hub height: 80 m

Maximum hub height: 80 m

Weights

Nacelle: 59 t

Rotor + hub: 33 t

Tower: 110 t

Total: 235 t

Gearbox

Gearbox: yes

Stages: 3

Wind speeds

Cut-in wind speed: 3 m/s

Rated wind speed: 10,8 m/s

Cut-off wind speed: 22 m/s

Generator

Type: DFIG

Voltage: 690 V