

HW77 1.5 MW (Hewind)

Main data

Rated power: 1500 kW
Rotor diameter: 77.13 m
Available
Class: IEC IIa+
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 4672.4 m²
Power density: 3.11 m²/kW
Maximum speed: 19,5 rd/min

Tower

Minimum hub height: 61,4 m
Maximum hub height: 70 m

Weights

Nacelle: 59 t
Rotor + hub: 31 t
Tower: 105 - 117 t
Total: 226 - 238 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 104

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