

3.0M122 (Senvion)

Main data

Rated power: 3000 kW
Rotor diameter: 122 m
Old model
Class: IEC IIIa (DIBt WZ2)
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 11689.9 m²
Power density: 3.9 m²/kW
Maximum speed: 13,8 rd/min
Manufacturer: Power Blades

Tower

Minimum hub height: 139 m
Maximum hub height: 139 m

Weights

Nacelle: 58 t
Rotor + hub: 68 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 106,5

Wind speeds

Cut-in wind speed: 2,5 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 22 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1200 rd/min
Voltage: 950 - 30000 V