

90 (PowerWind)

Main data

Rated power: 2500 kW

Rotor diameter: 90 m

Old model

Class: IEC IIa (DIBt III)

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 6361.7 m²

Power density: 2.54 m²/kW

Maximum speed: 16 rd/min

Tower

Minimum hub height: 80 m

Maximum hub height: 100 m

Weights

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 103

Wind speeds

Cut-in wind speed: 2,5 m/s

Rated wind speed: 15 m/s

Cut-off wind speed: 25 m/s

Generator

Type: SYNC PM

Number: 1

Maximum speed: 1650 rd/min

Voltage: 690 V