

W3700/500 (Wind World)

Main data

Rated power: 500 kW
Rotor diameter: 37 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Stall
Swept area: 1075.2 m²
Power density: 2.15 m²/kW
Maximum speed: 30 rd/min

Tower

Minimum hub height: 33,5 m
Maximum hub height: 41 m

Weights

Nacelle: 21,4 t
Rotor + hub: 11 t
Tower: 27 t
Total: 59,4 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 50
Manufacturer: Wind World

Wind speeds

Cut-in wind speed: 2 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 690 V