

TW-500 (Tacke)

Main data

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

Rotor

Number of blades: 3
Swept area: 1075.2 m²
Power density: 2.15 m²/kW
Maximum speed: 31 rd/min

Tower

Minimum hub height: 40 m
Maximum hub height: 43 m

Weights

Nacelle: 26 t
Rotor + hub: 5 t
Tower: 31 t
Total: 62 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 49
Manufacturer: Flender

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 15 m/s
Cut-off wind speed: 25 m/s

Generator

Type: IND
Number: 1
Maximum speed: 1515 rd/min
Voltage: 690 V