

FL 2500/90 (Fuhrländer)

Main data

Rated power: 2500 kW
Rotor diameter: 90 m
Old model
Class: IEC IIa
Offshore model: no
Commissioning: 2005

Rotor

Number of blades: 3
Type: Pitch
Swept area: 6361.7 m²
Power density: 2.54 m²/kW
Maximum speed: 18,1 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 85 m
Maximum hub height: 160 m
Manufacturer: Stag, Ambau, SeeBA

Weights

Nacelle: 96 t
Rotor + hub: 52 t
Tower: 350 t
Total: 498 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 72,3
Manufacturer: Zoller-Dorstener, Winergy

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 1310 rd/min
Voltage: 690 V
Manufacturer: APC