

# FL 100/21 (Fuhrländer)

## Main data

Rated power: 100 kW  
Rotor diameter: 21 m  
Old model  
Offshore model: no

## Rotor

Number of blades: 3  
Type: Stall  
Swept area: 346.4 m<sup>2</sup>  
Power density: 3.46 m<sup>2</sup>/kW  
Maximum speed: 46 rd/min  
Manufacturer: LM Glasfiber

## Tower

Minimum hub height: 35 m  
Maximum hub height: 38 m

## Weights

Nacelle: 6,2 t  
Rotor + hub: 2,8 t  
Tower: 21 t  
Total: 30 t

## Gearbox

Gearbox: yes  
Stages: 2  
Gear ratio: 33  
Manufacturer: Dorstener

## Wind speeds

Cut-in wind speed: 4,5 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: 400 V  
Manufacturer: Weier, Elin