

FL 600/50 (Fuhrländer)

Main data

Rated power: 600 kW
Rotor diameter: 50 m
Old model
Class: GL TK III
Offshore model: no
Commissioning: 2002

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1963.5 m²
Power density: 3.27 m²/kW
Maximum speed: 26 rd/min

Tower

Minimum hub height: 50 m
Maximum hub height: 75 m

Weights

Nacelle: 23 t
Rotor + hub: 12 t
Tower: 37 - 103 t
Total: 72 - 138 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 75

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 11 m/s
Cut-off wind speed: 25 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 2000 rd/min
Voltage: 690 V
Manufacturer: Windtec