FL 250/30 (Fuhrländer)

Main data

Rated power: 250 kW
Rotor diameter: 29.5 m
Old model
Offshore model: no
Commissioning: 1998

Rotor

Number of blades: 3
Type: Stall
Swept area: 683.5 m2
Power density: 2.73 m2/kW
Maximum speed: 39 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 42 m
Maximum hub height: 50 m
Manufacturer: ESTA

Weights

Nacelle: 9,8 t
Rotor + hub: 4,9 t
Tower: 27 - 32 t
Total: 42 - 47 t

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 26
Manufacturer: Zoller-Dorstener

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 16 m/s
Cut-off wind speed: 23 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1000 rd/min
Voltage: 400 V
Manufacturer: Weier