

FL 800/48 (Fuhrländer)

Main data

Rated power: 800 kW
Rotor diameter: 48 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Stall
Swept area: 1809.6 m²
Power density: 2.26 m²/kW
Maximum speed: 22 rd/min

Tower

Minimum hub height: 60 m
Maximum hub height: 70 m

Weights

Nacelle: 39 t
Rotor + hub: 17,5 t
Tower: 85 t
Total: 141,5 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 68

Wind speeds

Cut-in wind speed: 2,5 m/s
Rated wind speed: 16 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 400 - 690 V