

FL MD/77 (Fuhrländer)

Main data

Rated power: 1500 kW

Rotor diameter: 77 m

Old model

Offshore model: no

Rotor

Number of blades: 3

Type: Pitch

Swept area: 4656.6 m²

Power density: 3.1 m²/kW

Maximum speed: 18,3 rd/min

Manufacturer: LM Glasfiber

Tower

Minimum hub height: 61,5 m

Maximum hub height: 114,5 m

Weights

Nacelle: 56 t

Rotor + hub: 33 t

Tower: 93 - 260 t

Total: 182 - 347 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 104

Manufacturer: Loher, Weier

Wind speeds

Cut-in wind speed: 3,5 m/s

Rated wind speed: 13,5 m/s

Cut-off wind speed: 20 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1800 rd/min

Voltage: 690 V