

FL MD/70 (Fuhrländer)

Main data

Rated power: 1500 kW

Rotor diameter: 70 m

Old model

Offshore model: no

Commissioning: 2000

Rotor

Number of blades: 3

Type: Pitch

Swept area: 3848.5 m²

Power density: 2.57 m²/kW

Maximum speed: 21 rd/min

Manufacturer: LM Glasfiber

Tower

Minimum hub height: 65 m

Maximum hub height: 114,5 m

Weights

Nacelle: 56 t

Rotor + hub: 31 t

Tower: 93 - 260 t

Total: 180 - 347 t

Gearbox

Gearbox: yes

Stages: 3

Gear ratio: 95

Wind speeds

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

Rated wind speed: 14 m/s

Cut-off wind speed: 25 m/s

Generator

Type: DFIG

Number: 1

Maximum speed: 1800 rd/min

Voltage: 690 V

Manufacturer: VEM, Loher