

AE-59 (Made)

Main data

Rated power: 800 kW
Rotor diameter: 59 m
Old model
Class: IEC IIIa
Offshore model: no

Rotor

Number of blades: 3
Swept area: 2734 m²
Power density: 3.42 m²/kW
Maximum speed: 22,6 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 50 m
Maximum hub height: 60 m

Weights

Nacelle: 29,5 t
Rotor + hub: 15,7 t
Tower: 90 t
Total: 135,2 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 66
Manufacturer: Flender

Wind speeds

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

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 1000 V

