

AE-52 (Made)

Main data

Rated power: 800 kW
Rotor diameter: 52 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Stall
Swept area: 2123.7 m²
Power density: 2.65 m²/kW
Maximum speed: 25,7 rd/min
Manufacturer: LM Glasfiber

Tower

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

Weights

Nacelle: 28,2 t
Rotor + hub: 15,5 t
Tower: 90 t
Total: 133,7 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 58
Manufacturer: Flender

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 25 m/s

Generator

Type: SYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 1000 V
Manufacturer: Siemens