

AE-46/I (Made)

Main data

Rated power: 660 kW
Rotor diameter: 46 m
Old model
Class: IEC I
Offshore model: no
Commissioning: 2002

Rotor

Number of blades: 3
Type: Stall
Swept area: 1661.9 m²
Power density: 2.52 m²/kW
Maximum speed: 25,5 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 43,5 m
Maximum hub height: 43,5 m

Weights

Nacelle: 25 t
Rotor + hub: 12 t
Tower: 40 t
Total: 77 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 59,5
Manufacturer: Echesa

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 15 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1517 rd/min
Voltage: 690 V
Manufacturer: Siemens