

646 (Wind Technik Nord)

Main data

Rated power: 600 kW
Rotor diameter: 46 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1661.9 m²
Power density: 2.77 m²/kW
Maximum speed: 30 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 50 m
Maximum hub height: 65 m

Weights

Nacelle: 24,5 t
Rotor + hub: 10,5 t
Tower: 54 t
Total: 89 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 50,3

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: 2
Voltage: 690 V