

646 (Windtec)

Main data

Rated power: 600 kW
Rotor diameter: 45.8 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Swept area: 1647.5 m²
Power density: 2.75 m²/kW
Maximum speed: 33 rd/min

Tower

Minimum hub height: 51 m
Maximum hub height: 61 m

Weights

Nacelle: 19,5 t
Tower: 353 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 61

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 11,5 m/s
Cut-off wind speed: 30 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 2100 rd/min
Voltage: 690 V

