

650 (Windtec)

Main data

Rated power: 600 kW
Rotor diameter: 50 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1963.5 m²
Power density: 3.27 m²/kW
Maximum speed: 27 rd/min

Tower

Minimum hub height: 47 m
Maximum hub height: 65 m

Weights

Nacelle: 28 t
Rotor + hub: 7,5 t
Tower: 68 t
Total: 103,5 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 75

Wind speeds

Cut-in wind speed: 3,5 m/s
Rated wind speed: 11 m/s
Cut-off wind speed: 20 m/s

Generator

Type: DFIG
Number: 1
Maximum speed: 2000 rd/min
Voltage: 690 V