643 (Wind Technik Nord)

Main data

Rated power: 600 kW
Rotor diameter: 43 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1452.2 m2
Power density: 2.42 m2/kW
Maximum speed: 27 rd/min
Manufacturer: LM Glasfiber

Tower

Minimum hub height: 40 m
Maximum hub height: 50 m

Weights

Nacelle: 20,5 t
Tower: 48 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 54
Manufacturer: Köllmann

Wind speeds

Cut-in wind speed: 4 m/s
Rated wind speed: 12 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1500 rd/min
Voltage: 690 V
Manufacturer: Weier