

V42/600 (Vestas)

Main data

Rated power: 600 kW
Rotor diameter: 42 m
Old model
Offshore model: no

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1385.4 m²
Power density: 2.31 m²/kW
Maximum speed: 30 rd/min
Manufacturer: Vestas

Tower

Minimum hub height: 40,5 m
Maximum hub height: 53 m

Weights

Nacelle: 17,3 t
Rotor + hub: 8,4 t
Tower: 41 t
Total: 66,7 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 50
Manufacturer: Hansen

Wind speeds

Cut-in wind speed: 4,5 m/s
Rated wind speed: 16 m/s
Cut-off wind speed: 25 m/s

Generator

Type: ASYNC
Number: 1
Maximum speed: 1650 rd/min
Voltage: 690 V
Manufacturer: Weier