

V47/660 (Vestas)

Main data

Rated power: 660 kW
Rotor diameter: 47 m
Old model
Class: IEC Ia
Offshore model: no
Commissioning: 1997

Rotor

Number of blades: 3
Type: Pitch
Swept area: 1734.9 m²
Power density: 2.63 m²/kW
Maximum speed: 28,5 rd/min

Tower

Minimum hub height: 40 m
Maximum hub height: 55 m
Manufacturer: Vestas

Weights

Nacelle: 20,4 t
Rotor + hub: 7,2 t
Tower: 66,4 t
Total: 94 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 53
Manufacturer: Hansen, Flender, Valmet

Wind speeds

Cut-in wind speed: 4,5 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 25 m/s



Generator

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