

# 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 m<sup>2</sup>  
Power density: 2.63 m<sup>2</sup>/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

