

V52/850 (Vestas)

Main data

Rated power: 850 kW
Rotor diameter: 52 m
Old model
Class: IEC I/II
Offshore model: no
Commissioning: 2000

Rotor

Number of blades: 3
Type: Pitch
Swept area: 2123.7 m²
Power density: 2.5 m²/kW
Maximum speed: 31,4 rd/min
Manufacturer: Vestas

Tower

Minimum hub height: 40 m
Maximum hub height: 65 m
Manufacturer: Vestas

Weights

Nacelle: 22 t
Rotor + hub: 10 t
Tower: 77 - 111 t
Total: 109 - 143 t

Gearbox

Gearbox: yes
Stages: 3
Gear ratio: 62
Manufacturer: Hansen

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 14 m/s
Cut-off wind speed: 25 m/s



Generator

Type: ASYNC
Number: 1
Maximum speed: 1947 rd/min
Voltage: 690 V
Manufacturer: Weier, ABB