

Datasheet Vestas V52

Fully overhauled with 10-year warranty



General data:

- ✓ Rated power: 850.0 kW
- ✓ Cut-in wind speed: 4.0 m/s
- ✓ Rated wind speed: 14.0 m/s
- ✓ Cut-out wind speed: 25.0 m/s
- ✓ Survival wind speed: 60.0 m/s
- ✓ Wind zone (DIBt): II
- ✓ Warranty: 10 years with service contract

- ✓ Ratio: 1:62
- ✓ Manufacturer: Hansen

Generator

- ✓ Type: Double Fed Asyn
- ✓ Number: 1.0
- ✓ Speed, max: 1,620.0 U/min
- ✓ Voltage: 690.0 V
- ✓ Grid connection: Asyncon
- ✓ Grid frequency: 50.0 Hz
- ✓ Manufacturer: Weier / ABB

Rotor

- ✓ Diameter: 52.0 m
- ✓ Swept area: 2,124.0 m²
- ✓ Number of blades: 3
- ✓ Rotor speed, max: 31.4 U/min
- ✓ Tip speed: 85 m/s
- ✓ Material: GFK
- ✓ Manufacturer: Vestas
- ✓ Power density 1: 400.2 W/m²
- ✓ Power density 2: 2.5 m²/kW Gear box

Tower

- ✓ Hub height: 70 m
- ✓ Type: Steel tube
- ✓ Shape: conical
- ✓ Corrosion protection: coated
- ✓ Manufacturer: Vestas

Gear box

- ✓ Type: spur/planetary
- ✓ Stages: 3.0

Power curve:

