



Vestas V27 Refurbished Wind Turbine System

Rated Power: 225kW

List Price:

*Please contact an account executive for pricing and current availability.



Photos are a representation of the equipment mentioned and may not represent the actual equipment for sale. Appearance of actual equipment mentioned may vary.

***List Price Disclaimers:**

1. Wind turbine installation is highly customized according to location, set-up, seismic conditions, soil, zoning, local restrictions, and many other factors. Installation is not included in this price.
2. Taxes, Containerizing, and Shipping are not included. This cost estimate is FOB Factory. Estimates do not include export and other international fees.
3. This information should be used for general budgetary reasons only.
4. Pricing and availability is subject to change at any time without notice.

Turbine Description

The Vestas V27/225kW is a three bladed horizontal axis wind turbine with active yaw that features a 27m diameter high speed variable pitch type rotor. Through an independently supported main shaft the power is transmitted to the main or small generator through a two stage gear box. The generator is asynchronous and is directly connected to the grid. The rotor has two different speeds depending on which generator is operating in order to achieve the maximum performance both at low and high wind speeds.

The Vestas V27 is a well tried and tested wind turbine and has proven its reliability through the many thousands of installations since its introduction.

Rotor:

Three reinforced polyester fiberglass rotor blades. Operates upwind with full feathering aerodynamic brakes.

Rotor Diameter: 27m

Swept Area: 573m²

Transmission & Generator:

Two generators (synchronous) – one for low wind speeds (50kW) the other for high (225kW). Gear box is two stage parallel shafts. Cut in wind speed is 8mph. The rated wind speed (225kW) is 31mph. Cut out wind speed is 56mph. Survival wind speed is 125mph.

Rotor Speed (synchronic): 43/33 rpm

Generator Speed: 1000 rpm

Gear Ratio: 23.4:1

Yaw:

Active electric drive yaw system. As an additional safety feature the yawing system will pivot the nacelle 90 degrees out of the wind to prevent damage due to excessive wind speeds, over speed due to grid failure, etc.

Tower: 30m lattice

We remanufacture all turbines to original specifications. All components are carefully inspected and cleaned and wear items are replaced. We update the automatic control system for increased reliability and ease of operation.

Each unit is delivered in like-new condition and comes with a two year warranty standard.

*Control, and other specifications are available.
Please contact us for further detail.*