

BERGEY EXCEL 5

The wise choice for Performance, Reliability, and Ruggedness

The new Bergey Excel 5 is ideal for smaller and more efficient homes, farms, and small businesses. Its extra large rotor and ultra-low cut-in wind speed give it exceptional performance, out producing all other turbines in its class. More energy means greater savings and a quicker payback.

The Wise Choice

30 years ago Bergey pioneered the radically-simple "three moving parts design" that has proven to provide the best reliability, service life, and value of all of the hundreds of competitive designs that have come and gone in that time. A small wind turbine is a big investment and Bergey is clearly the wise choice.

Advanced Technology:

- BW-7 Proprietary Low Noise Airfoil
- PowerFlex® Super High-Strength Blades
- Neo-5 Direct-Drive Permanent Magnent Alternator
- AutoFurl® Storm Protection
- 6 kW Powersync II Inverter
- Remote Monitoring (optional)



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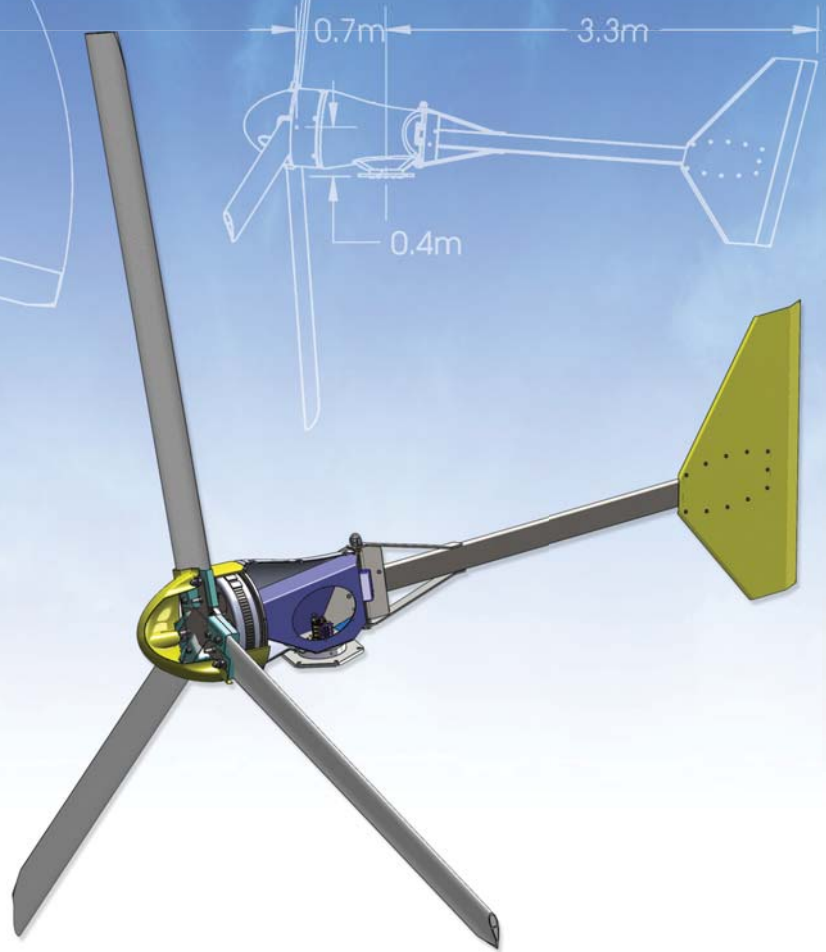
BERGEY EXCEL 5

Performance

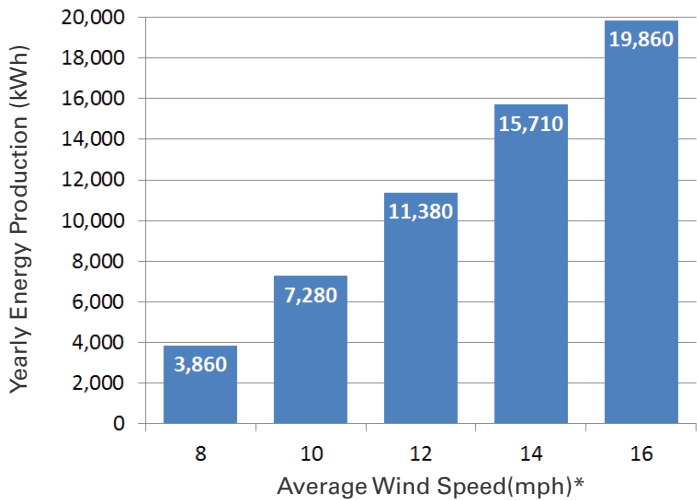
- AWEA RATED POWER: 5.2kW @ 24.6 mph (11 m/s)
- PEAK POWER: 6.2kW
- AWEA ANNUAL ENERGY: 9,800 kWh @ 11 mph (5m/s) Average
- CUT-IN WIND SPEED: 4.5 mph (2 m/s)
- CUT-OUT WIND SPEED: None
- FURLING WIND SPEED: 31-45 mph (14-20 m/s)
- MAX DESIGN WIND SPEED: 134 mph (60 m/s)
- NOMINAL ROTOR SPEED: 0-400 rpm

Mechanical

- TYPE: 3-Blade Upwind, Horizontal Axis
- ROTOR DIAMETER: 20.2 ft. (6.2 m)
- WEIGHT: 770 lb. (350 kg)
- GEARBOX: None
- OVERSPEED PROTECTION: Autofurl®
- TEMPERATURE RANGE: -40 / 140° F (-40 / 60° C)
- TOWERS: Guyed and Non-Guyed 80 – 160 ft. (24-49 m)
- ALTERNATOR: 3Ø Neo Permanent Magnet
- INVERTER : 6kW Powersync II (Outdoor Rated NEMA 3R Enclosure)
- REMOTE Monitoring Via Internet & Smart Phones (Optional)

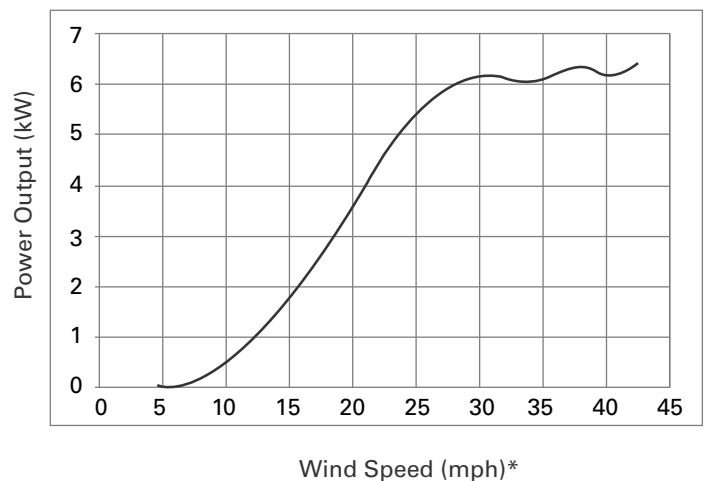


Annual Energy Output



* Wind speed at hub height

Power Curve



* Wind speed at hub height, independent test data from the Alternative Energy Institute.