



Ridge-blade-wind-turbine

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Using the existing surface area of a pitched roof, the RidgeBlade(R) collects and focuses the prevailing wind harnessing the Aeolian wind focus effect. This is where the wind is forced to travel over the roof surface and forms a pinch point at the roof ridge, accelerating the airflow through the turbine.

As a result, measured wind speed around the ridge can be just over three times the actual wind speed. Placing the turbine in this high flow area means that up to nine times the energy is available to it compared to a HAWT (Horizontal Axis Wind Turbine) system.

The unique design of RidgeBlade(R) allows for consistent power generation even in turbulent wind conditions. The RidgeBlade(R) uses advanced aerodynamics to prevent noise in operation, and is designed to self-limit the speed of the rotor through its unique patented aerodynamic properties.

This means that the units achieve full capacity at wind speeds of only 25 metres per second and at this level of wind, the turbine speed achieves its maximum rotational speed, and this rotor speed is not exceeded, even in severe storm conditions. TheRidgeBlade(R) has been successfully tested in over 100mph winds in both wind tunnel and installed locations.

Contact a member of our Accredited Partner Network to find out the average wind speed of your location and power output of your new RidgeBlade turbine system. All of our installation partners are equipt with the tools necessary to ensure you get the most from your investment.

Rooftop solar panels are unlikely to elicit complaints from neighbors-they're silent and relatively unobtrusive. But loud rooftop wind turbines? That's where the virtually NIMBY-proof Ridgeblade turbine comes in. The turbine, designed by a former Rolls Royce turbine engineer at UK-based The Power Collective, boasts a sleek profile that is both powerful and visually pleasing.



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