

Eco Whisper Turbine | 20kW

Frequently Asked Questions (FAQ)

Who is Eco Whisper Turbines?

Eco Whisper Turbines is a wholly-owned subsidiary of Renewable Energy Solutions Australia Holdings Ltd. (RESA) - a developer, manufacturer, installer and operator of renewable energy solutions. A member of the Clean Energy Council, RESA is recognised for its commitment to sustainable development, quality and innovation.

What makes the Eco Whisper Turbine virtually silent?

Most noise from small wind turbines occurs when air spills off the tip of the blades. The Eco Whisper Turbine cowl/ring prevents air from spilling off the blades.

What can the turbine power?

Depending on the wind assets at your site, the turbine can power - on average - three homes or a small factory.

How do I know if my site is windy enough?

Having a good understanding of your site's wind resources is the key to getting the most out of your turbine. For this reason, we will commission independent analysis on your behalf, to accurately determine wind asset levels, planning requirements, grid connection and the best location for the turbine.

Where is the best place to install the turbine?

The independent analysis will determine the optimum site to install the turbine on your site. Ideally, it should be in an open area sited away from buildings or trees, which may block the wind or cause turbulence.

Can I install the turbine myself?

No, the turbine can only be installed by an accredited Eco Whisper Turbine installer.

What planning approvals are required?

Planning approvals will vary according to state and your property's zoning (ie: rural, industrial, commercial). Your Eco Whisper representative can help you through this process.

What are the dimensions of the turbine?

Its height is 21.1m and blade diameter is 6.5m.

What is the turbine made of?

Our wind turbine hub and blades are made of aluminium so they won't rust. The hinged pole is made of steel.

What is the maximum wind speed that the turbine can withstand?

The turbine can withstand wind speeds up to 220km/hr.

How much power can the turbine generate?

A good wind site can generate up to 45,000+ kWh per annum.

How do I maintain the turbine?

We recommend you service your turbine every two years using an authorised Eco Whisper maintenance provider. Maintenance is performed by lowering the turbine.

Will the local birdlife be affected by the wind turbine?

Because the blades are contained in a central hub, birdlife casualty is minimal as the blades are highly visible.

What precautions should I take in extreme weather events such as cyclones?

We recommend the turbine be lowered using a crane.

What standards is the turbine manufactured to?

The turbine is designed and manufactured according to Australian Building Codes AS1170 and International Standard IEC 61400 for wind turbines.

Does the turbine carry warranty?

The turbine is designed for a 25+ year lifespan. A five year warranty is provided on the inverter.

What is the payback period of the turbine?

Payback periods will vary depending on a number of factors:

- The level of the wind asset at a site - ie: higher wind means more power
- Whether you are exporting energy to the grid or are you offsetting current supply
- The feed in tariff structure that applies to your state (if applicable)
- The amount of large scale renewable energy target certificates (LRET)

Please contact us if you require more information on payback periods for your site.

Who can I contact for more information?

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