

Choosing a wind turbine

To be eligible for payments through the Feed in Tariff, your wind turbine must be certified under the Microgeneration Certification Scheme (MCS) and the turbine must be installed by an MCS-certified installer.

MCS-certified wind turbines below 15kW

This information has been extracted from the manufacturers' websites and technical data sheets during April 2012. Please note that we are not responsible for the accuracy of the data presented.

For the latest list of certified turbines, and turbines 15kW and over (to 50kW) if you have a suitable site for a larger turbine, check the MCS wind turbine product database.

Click on the name of any of the turbines to find out more at the manufacturer's website.

Turbine	Rated power	Wind speed at rated power	BWEA reference annual energy at 5m/s	Diameter of blades	Tower height
Skystream 3.7	2.4kW	13m/s	3,416kWh	3.72m	10.2, 13.7 or 18.3m
Evance R900	5kW	12m/s	8,780kWh	5.5m	10, 12, 15, or 18m
Kingspan KW6	5.2kW	11m/s	8,949kWh	5.5m	9, 11.6 or 15m
Eoltec Scirocco	6kW	12m/s	9,881kWh	5.6m	12 or 15m
Qr5	7.2kW	13.5m/s	4.197kWh	3.1m;5.5m tall	6m roof mounted, 18m ground mounted
Evoco 10	9.55kW	11m/s	21.706kWh	7.2m	12 or 15m
Aircon10S	10kW	11m/s	not given	7.5m	18, 24 or 30m
Bergey Excel 10	10kW	12.5m/s	13,800kWh	7m	18 to 49m
Xzeres 442SR	10kW	11m/s	15,329kWh	9.7m	not given
Gala-Wind 133	11kW	not given	27.502kWh	13m	15 or 18m (lattice) or 18 and 27m (monopole)
C&F Green Energy	11kW	9m/s	24,000	9m	15 or 1m
C&F Green Energy	15kW	8m/s	43,400kWh	13.1	20m

Power ratings

You will notice that the rated power (in kW) of different wind turbines is given at different windspeeds measured in meters per second (m/s). This makes it difficult to make a side by side comparison of the likely output of one wind turbine compared with another even if both state that their rated power is, for example, 5kW. To overcome this problem RenewableUK introduced the Small Wind Turbine Performance and Safety Standard. As part of the MCS approval process the approved wind turbine has to be measured against this standard. This will result in additional information being available in the form of a summary report which will help you assess the likely performance of one turbine against

another.

In general terms the information includes:

- ✔ the BWEA Reference Power, which is the rated power of the wind at 11m/s
- ✔ the BWEA Reference Annual Energy, which is the amount of energy in kWh that the turbine will produce in a year at a constant windspeed of 5m/s at a stipulated hub height
- ✔ the BWEA Reference Sound Levels at 25 and 60m rounded up to the nearest decibel (dB) from the turbine.

A turbine which meets the requirements of the BWEA small wind turbine standard will have a label (which should be used on all product literature and advertising). The label will say 'Certified by BRE'.

Evidence of compliance with the Standard is required before small wind turbines (up to 50kW) can be certified through MCS, as set out in MCS006.

- ✔ [Download this document from the MCS website.](#)
- ✔ [Find out more about the Standard at RenewableUK.](#)

Finding an installer

We strongly recommend that you choose a system and installer that are certified by the Microgeneration Certification Scheme (MCS); this will help you to ensure the quality of your installation and the level of customer care that you receive. To be eligible for payments through any financial support scheme, your turbine must be installed by an MCS-certified installer.

If you live in Scotland, [search on our Renewable Installer Finder](#) for an installer operating in your area.

Search for [products](#) and [installers](#) at the MCS website.

