

WIND TURBINE SUPPLY: REPOWERING YOUR TURBINE



Infinite is a company based in Wales that specialises in the design, development and management of renewable energy schemes, integrating generation technologies, battery energy storage systems (BESS) and microgrids. Since 2010, Infinite has built and managed an exciting portfolio of over 50MW of wind, solar and storage projects operating across Wales and the UK extending to international projects in Sierra Leone and Dubai.

REPOWERING

If you own a turbine that needs an update, Infinite provides all the services required to repower older wind turbine developments.

Bestwatt turbines are a great option for repowering turbines that are under 100kW.

BESTWATT WIND TURBINES

Infinite are suppliers of Bestwatt (BW) turbines in the UK. Bestwatt turbines are a smaller scale turbine perfectly suited to agricultural and small business applications and are available at different capacities (15kW, 45kW and 80kW).



100% local and sustainable energy



Smaller design that significantly reduces planning risk



Technical lifespan of 35 years



German and Dutch engineering made to last



24/7 remote monitoring and control



20-year insurance backed maintenance contracts



Bestwatt has installed over 400 turbines across Europe



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BESTWATT TURBINE SPECIFICATION



	BW15	BW45	BW80
Rotor Diameter	10.7 m	15.9 m	15.9 m
Rotor Surface	89.5 m ²	199 m ²	199 m ²
Rotor Power	15 kW	45 kW	80 kW
Brake	Blade tips (hydraulic)	Blade tips (hydraulic)	Blade tips (hydraulic)
Transmission	Gearbox linear	Gearbox lineair	Gearbox lineair
Speed Operating Range	40-80 rpm	30-65 rpm	30-70 rpm
Hub Height	15/20/25/30 m	15/20/25/30 m	15/20/25/30 m
Generator	Asynchronous	Asynchronous	Asynchronous
Rated Power Inverter	22 kW	55 kW	90 kW
Maximum Apparent Power Inverter	24.4 kVA	61.0 kVA	100.00 kVA
Yaw System	Active	Active	Active
Cut-In Wind Speed	3 m/s	3.5 m/s	3.5 m/s
Shut-Down Wind Speed	25 m/s	25 m/s	25 m/s
Survival Wind Speed	60 m/s	60 m/s	60 m/s

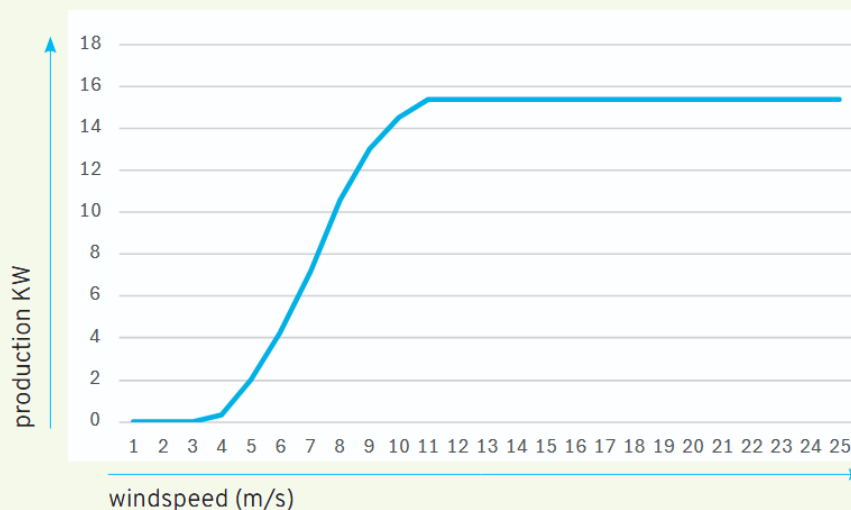


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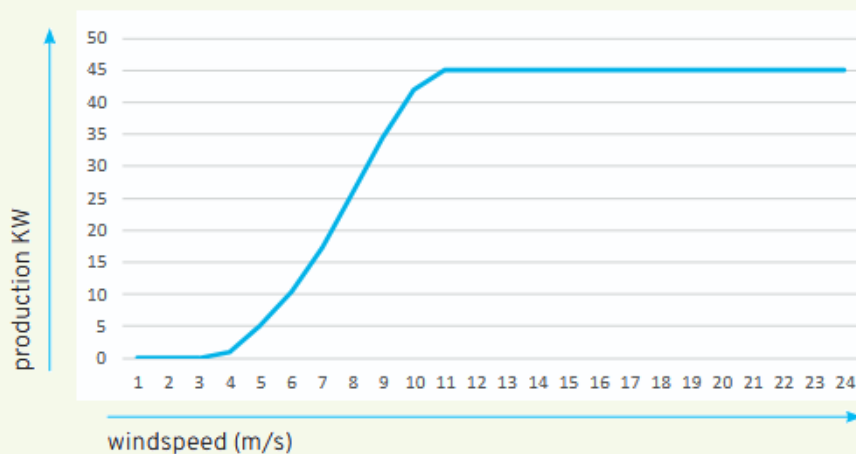
BESTWATT POWERCURVES

The figures shown are based on averages of installed locations and wind speeds.

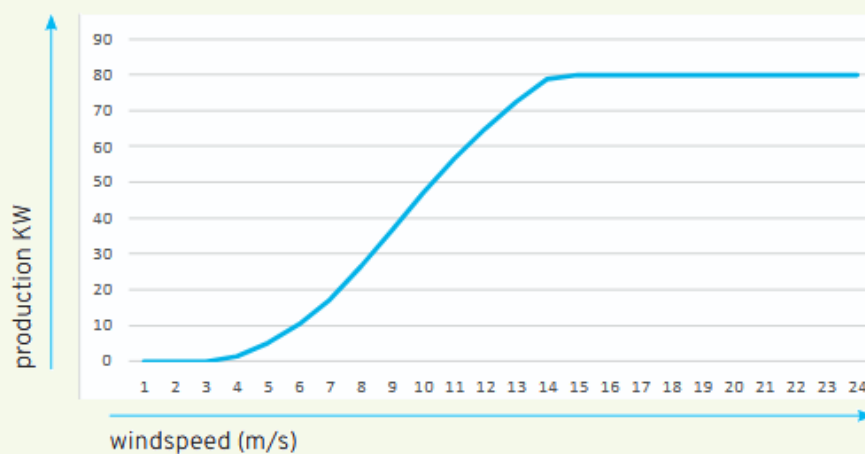
BW15 | 15kW



BW45 | 45kW



BW80 | 80kW



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NEXT STEPS

1

Get in touch, complete the Enquiry Form and return it for us to assess

2

We will check the Enquiry Form to identify preferred options for repowering and will highlight any potential planning changes

3

We will arrange a meeting with you discuss the best-fit turbine for your needs and the funding options available

4

Formal proposals will be written up and sent to you

CONTACT



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WHERE TO FIND US



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OPENING HOURS



9am - 5pm
Monday - Friday

