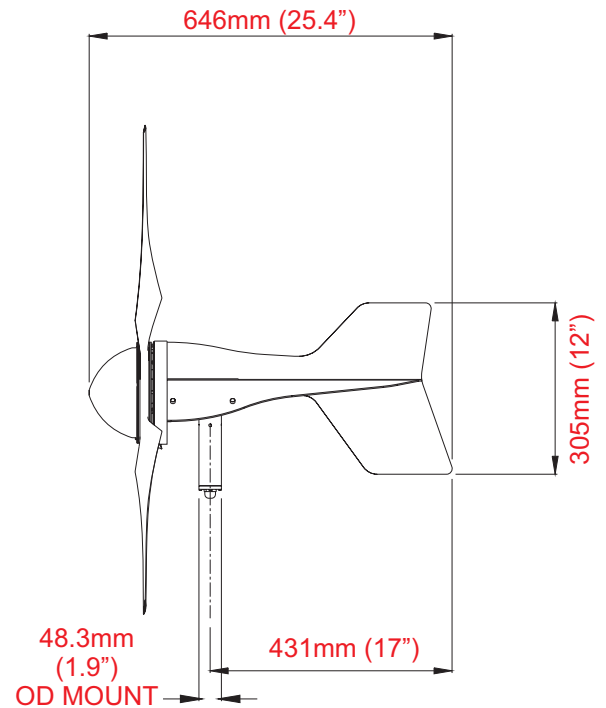
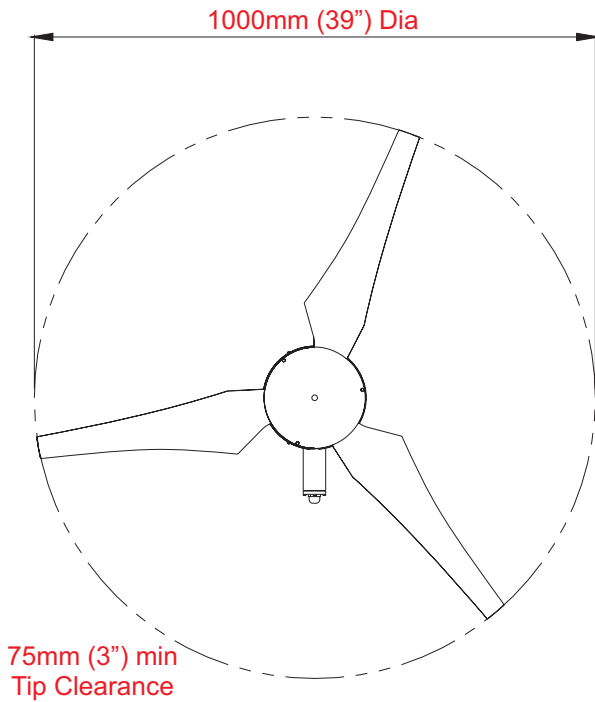


# Wren Extreme

**Samrey Generators  
& Turbines Ltd**

Web: [www.samrey.co.uk](http://www.samrey.co.uk)  
Email: [info@samrey.co.uk](mailto:info@samrey.co.uk)

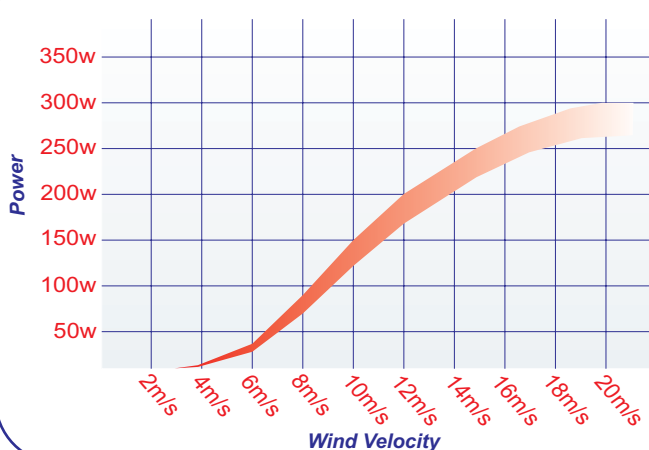


<b>Rotor Diameter:</b>	<b>1 metre (39")</b>
<b>Rated Wind Velocity:</b>	<b>8m/s (17.8mph)</b>
<b>Rated Output:</b>	<b>85 watts</b>
<b>Maximum Output:</b>	<b>300 watts</b>
<b>Rated rpm:</b>	<b>800 rpm</b>
<b>Cut-in:</b>	<b>350 rpm</b>
<b>Weight:</b>	<b>6.5kg (14lb)</b>
<b>Output Voltage:</b>	<b>12V or 24V DC</b>
<b>Tower Mount:</b>	<b>48.3mm (1.9")</b>
<b>Warranty:</b>	<b>2 years (limited)</b>

**Predicted Energy Production:**  
The instantaneous power curve shown here is based upon real world measurements. Every turbine installation is unique and the energy production may deviate from figures listed here due to many factors such as turbulence and wind shadowing. Particular sites for small wind turbine installations should be evaluated on their merits. If in doubt, seek the advice of an expert. The Annual Energy Production graph uses mathematical statistical tools to predict windspeeds and turbine energy production. This graph is for use as an indicator only as actual performance may vary due to local environmental considerations. A Weibull distribution 'K' Factor of 2 has been used in the calculations.

- Based upon the standard Wren Micro-turbine, the Wren Extreme offers upgraded components to endure the harshest marine and industrial applications.
- Suitable for specialist, industrial and marine applications.
- Ingress protected yaw slip-rings
- Heavy duty internal mounting bush with patented polymer bearings
- One of the lightest heavy-duty turbines available
- Superior & quiet operation with low tip speed ratio rotor
- Innovative injection moulded blades manufactured from advanced nylon polymers
- Sleek aesthetic appearance
- Powder-coated aluminium and stainless steel components throughout.

**Instantaneous Power Curve**



**Annual Energy Production**

