

FORGEN 8500



- Forgen legendary reliability
- Upgraded components to endure the harshest marine and industrial applications
- Domestic 240V 50 cycle option
- Suitable for specialist, industrial and marine applications
- One of the lightest heavy-duty turbines available
- Superior and quiet operation with low tip speed ratio rotor
- Sleek aesthetic appearance

Goodridge Engineering Ltd is pleased to offer its new Horizontal Micro Wind Turbine - the **Forgen 8500**.

The machine is designed to be used in normal as well as as extreme conditions either on land or at sea.

The **Forgen 8500** is targeted at specialist scientific, industrial and marine application as well as the needs of the domestic micro general user.

FORGEN 8500

Forgen Reliability & Durability

The domestic, commercial and marine markets all are required to lower their carbon footprint. Our machines have been designed to help meet these targets with "green" wind generated electrical power.

High Output - Low Noise

The state-of-the-art aerodynamic layout with relatively low rotor speed has resulted in a much lower than average noise level for its class.

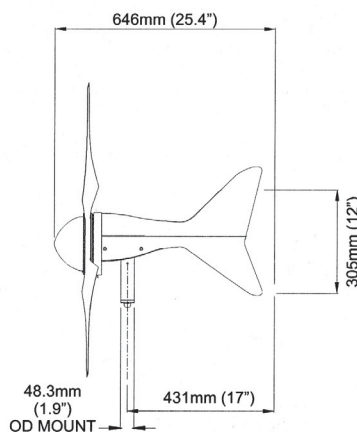
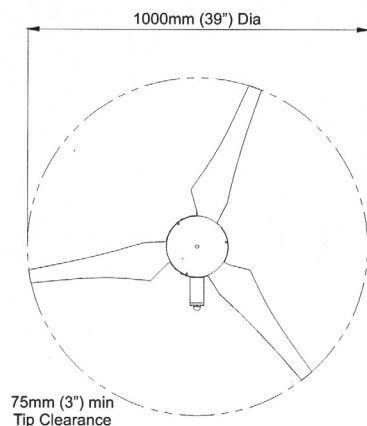
Stand - Alone

The Forgen 8500 is a real stand-alone wind generator for autonomous and unattended operation. It is designed for a wide range of applications and can easily be integrated into wind/PV hybrid systems, if and when required.

Built to Last

Forgen generators are entirely made of high graded materials, such as saltwater proof aluminium, S316 stainless steel, which is then polyester powder coated for a long durable life, stainless steel and glass reinforced nylon. The F8500 has been made to the same exacting build standards as our Vertical Axis machines.

TECHNICAL SPECIFICATIONS

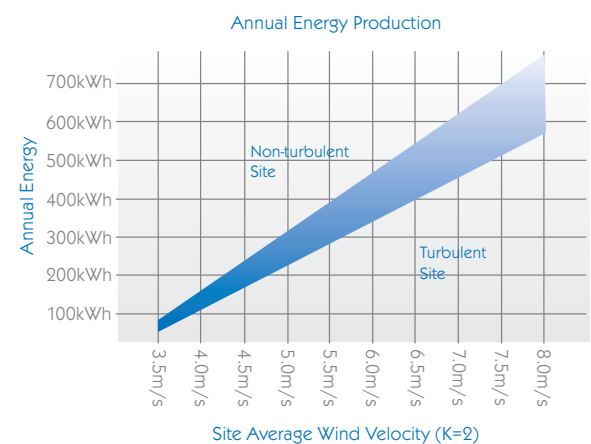
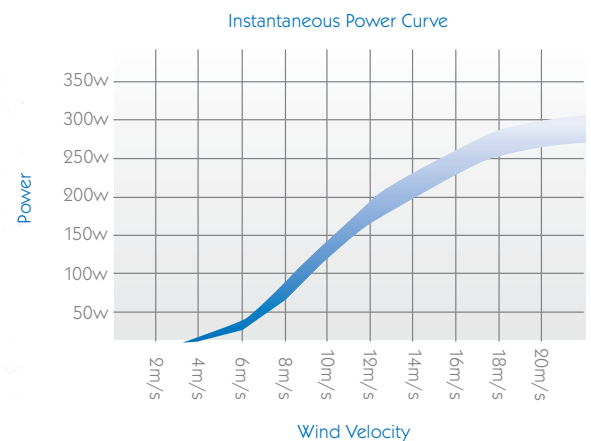


Rotor Diameter:	1 metre (39")
Rated Wind Velocity:	8m/s (17.8mph)
Rated Output:	85 watts
Maximum Output:	300 watts
Rated rpm:	800 rpm
Cut-in:	350 rpm
Weight:	6.5kg (14lb)
Output Voltage:	12V or 24V DC
Domestic:	240V 50 cycle
Tower Mount:	48.3mm (1.9")
Warranty:	2 years (limited)

Note: Domestic 240 systems require an inverter to function at the domestic voltage

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 'K' Factor of 2 has been used in the calculations.



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