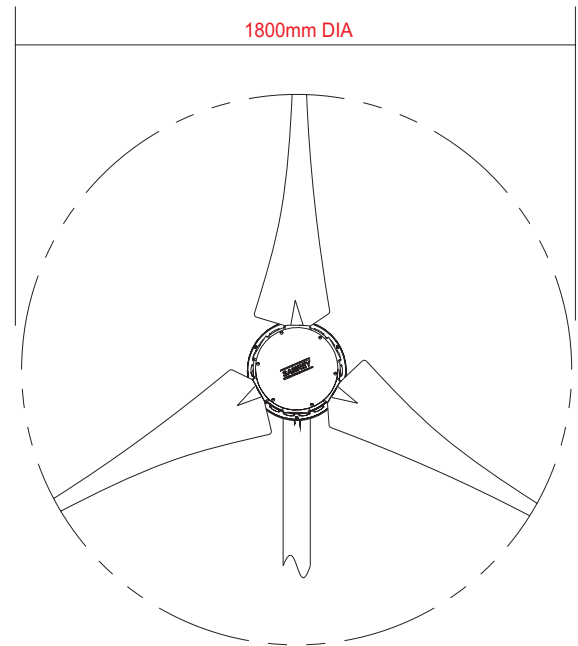
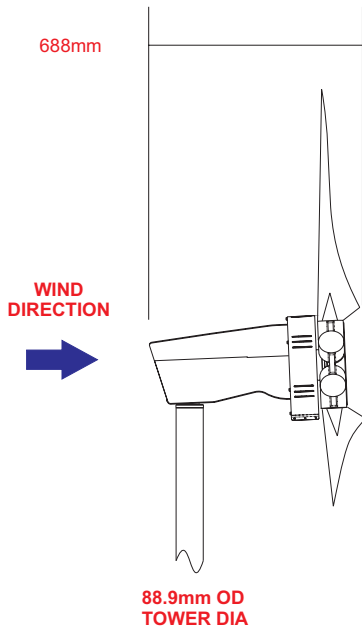


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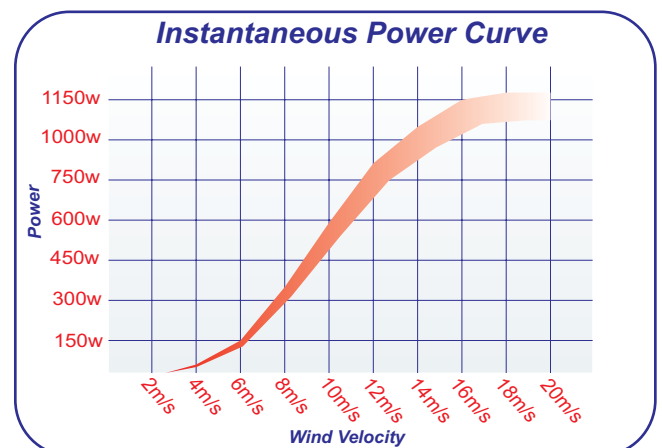
Samrey Ltd
Innovation in Wind Power

Web: www.samrey.co.uk
Email: info@samrey.co.uk



Rotor Diameter: 1.8m
Rotor Type: 3-Blade Downwind
Blade Material: Glass Reinforced Nylon
Rated Wind Velocity: 8m/s (17.8mph)
Rated Output: 300watts
Peak Output: 1150 watts
Rated rpm: 410 RPM
Cut-in Wind Velocity: 3m/s
Generator Type: 3ph Brushless Outrunner PMA (Single Mag Rotor)
Voltage Variants: 24VDC Batt Charge
48VDC Batt Charge
24VDC HV Trans
48VDC HV Trans
80VDC Grid Tie
300VDC Grid Tie
Power Conditioning Unit: Run / Stop Switch
Ammeter
Protection Fuse
3ph Rectifier
Transformers (BC)
Over-volt (GT)
Chassis: Heavy Duty Steel
Powder Coated
Tower Mount: 88.9mm Dia (3.5")
4mm Wall Tube
Lateral Force at 45m/s: 3.1kN
Estimated Annual Output: 750 - 1400kWh*
Warranty: 2 years (limited)

- Only two moving parts & sealed for life bearings
- Proprietary 3-phase axial PMA utilising Neodymium Iron Boron technology
- Optional High-Voltage AC power transmission (thereby reducing the cost and power loss of cable runs). Power Conditioning Unit transforms high voltage AC to 24v or 48v DC for battery charging applications & provides over-voltage protection for grid tie applications.
- Highly cooled, ironless stator with no 'cogging'
- Excellent performance at truly **low** wind speeds.
- Heavy duty PMA enables continuous running without need for furling or reducing output.
- Integral yaw slip rings.
- Low visual impact design with rugged construction.
- Heavy duty and rugged construction.
- CNC machined components throughout.
- Guyed and freestanding towers available.
- Designed, developed and manufactured in the UK



* Predicted Energy Production:
The instantaneous power curve and energy production estimates shown here are based upon ideal operating conditions. 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. These specifications are for use as an indicator only as actual performance may vary due to local environmental considerations.