

**PROVEN ENERGY WIND TURBINES - TECHNICAL SPECIFICATION**

	WT2500 (2.5kW)	WT6000 (6kW)	WT15000 (15kW)
<b>Rotor diameter</b>	3.5m	5.5m	9m
<b>Generator type</b>	Brushless, direct drive, permanent magnet	Brushless, direct drive, permanent magnet	Brushless, direct drive, permanent magnet
<b>Grid connect with Windy Boy inverter</b>	UK spec. 230Vac / 50Hz	UK spec. 230Vac / 50Hz	UK spec. 230Vac / 50Hz
<b>Rated RPM</b>	300	200	150
<b>Annual output (2)</b>	2,500 - 5,000kWh's	6,000 - 12,000 kWh's	15,000 - 30,000 kWh's
<b>Head weight</b>	190kg	600kg	1,100kg
<b>Mast type (3)</b>	Tilt up, self supporting - no guy wires	Tilt up, self supporting - no guy wires	Tilt up, self supporting - no guy wires
<b>Hub height</b>	6.5 or 11m	9 or 15m	15 or 25m
<b>WT found</b>	1.6 x 1.6 x 1m <i>or</i> 2.5 x 2.5 x 1m	2.5 x 2.5 x 1m <i>or</i> 3 x 3 x 1.2m	3.7 x 3.7 x 1.2m <i>or</i> 5 x 5 x 1m
<b>Winch found</b>	0.65m <sup>3</sup> <i>or</i> 1m <sup>3</sup>	1m <sup>3</sup> <i>or</i> 1.5 x 1.5 x 1m	1.5 x 1.5 x 1.2m no winch found for 25m
<b>Tower weight</b>	241 <i>or</i> 445kg	360 <i>or</i> 656kg	1,200kg
<b>Mechanical brake</b>	Yes	Yes	Yes
<b>Noise(4) @ 5 m/s</b>	40dBA	45dBA	48dBA
<b>Noise @ 20 m/s</b>	60dBA	65dBA	65dBA

(1) 1 metre / second = 2.24mph = 3.6kph

(2) Manufacturer's data. Output range is quoted to cover typical average wind speeds (annual). Lighter wind sites with typical 4.5m/s will produce lower end of range. Higher wind sites e.g. 6.5m/s average will produce upper end of range.

(3) Taller guyed towers are available on request.

(4) All readings taken with an ATP SL-25 dBA meter at the base of the tower at a height of 1.5m

\* A car passing 20m away at approximately 40mph is 70-80dBA

\* When there is no wind there is no noise!