

## Site 14 – Fountain Farm



Fountain farm was one of the first installations of the Ampair600 230 wind turbine. The turbine is installed on a pole that is about 12meters above ground level and about 5 meters above the roof line.

The anemometer is attached to the side of the building as can be seen in the photograph

<b>NOABL wind speed estimate</b>	5.3ms <sup>-1</sup> at 10m
<b>Planning permission</b>	
<b>Turbine installation</b>	
<b>Full data available from</b>	29 <sup>th</sup> November 2007
<b>Mounting type</b>	Pole at edge of flat roof
<b>Turbine</b>	Ampair 600 230
<b>Inverter</b>	Sunny Boy SB700
<b>Anemometer</b>	NRG #40 calibrated
<b>Data logger</b>	Pace Scientific XR5
<b>Watt meter</b>	Iskraemeco ME162

Warwick Wind Trials

<b>Time Interval</b>	<b>Measured Average Wind Speed (ms<sup>-1</sup>)</b>	<b>Total Energy Exported (kWh)</b>	<b>Average Energy Exported per Day (Wh)</b>
29 <sup>th</sup> November 2007 to 16 <sup>th</sup> October 2008	2.75	n/a	n/a
December 2007	3.09	n/a	n/a
January 2008	3.97	n/a	n/a
February 2008	2.58	n/a	n/a
March 2008	3.46	n/a	n/a
April 2008	2.75	n/a	n/a
May 2008	2.27	n/a	n/a
June 2008	2.32	n/a	n/a
July 2008	2.56	n/a	n/a
August 2008	2.62	n/a	n/a
September 2008	1.99	n/a	n/a

Energy data is not available due to a watt meter failure. The turbine is switched on.