

Site 4 – Birds Hill



This turbine is installed on a modern detached house and is mounted on the gable end. There is a large open field to the south west of the property. To the north of the house is an urban area.

The turbine is mounted using Hilti brackets and the anemometer is installed at hub height as can be seen in the photo.

NOABL wind speed estimate	5.1ms ⁻¹ at 10m
Planning permission	
Turbine installation	3 rd July 2007
Full data available from	26 th July 2007
Mounting type	Pole at gable end
Turbine	Eclectic StealthGen D400
Inverter	Mastervolt Soladin 600
Anemometer	Schiltknecht Meteo, Type: f.555.1.18
Data logger	Novus LogBox DA
Watt meter	Iskraemeco ME162

Warwick Wind Trials

Time Interval	Measured Average Wind Speed (ms⁻¹)	Total Energy Exported (kWh)	Average Energy Exported per Day (Wh)
26 th July 2007 to 14 th October 2008	2.27	47.39	114
August 2007	1.79	0.90	29
September 2007	1.98	2.00	67
October 2007	1.16	0.83	27
November 2007	1.71	1.41	47
December 2007	2.74	7.31	236
January 2008	3.78	10.9	352
February 2008	2.36	5.01	173
March 2008	3.36	10.02	323
April 2008	2.37	3.46	115
May 2008	1.97	1.67	54
June 2008	n/a	n/a	n/a
July 2008	2.05	1.66	74
August 2008	2.68	0.75	24
September 2008	1.87	0	0

Data is missing from 11th June to 9th July 2008 (figures for July are based on data collected from this date onwards). Energy data is missing from a date in August 2008 onwards.