



Turbine Output Specifications

New technology in wind power.

10 foot Turbine

(height 10 ft, diameter 6.6 ft)



Swept Area for 10 ft Turbine

6.19 m² 66.66 ft²

Wind Speed (mph)	(m/s)	Rotational Frequency (Hz(rps))	Power Available in Wind For Swept Area (Watts)	Estimated Power Output of Turbine for Swept Area (Watts)
6.71	3	0.47	102.4	25.8
8.94	4	0.63	242.8	61.2
11.1	5	0.78	474.1	119.5
13.4	6	0.94	819.3	206.5
15.6	7	1.1	1301.1	327.9
17.8	8	1.25	1942.1	489.4
20.1	9	1.41	2765.2	696.8
22.4	10	1.57	3793.2	955.9

How much energy can this Turbine produce?

Average Wind Speed	Energy Production in KWh		
	Per Day	Per Month	Per Year
10 m/s or 22.4 mph	22.9	688.2	8373.7
8 m/s or 17.9 mph	11.7	352.4	4287.1