



Turbine Output Specifications

New technology in wind power.

15 foot Turbine

(height 15 ft, diameter 10 ft)



Swept Area for 15 ft Turbine
13.935 m² 150 ft²

Wind Speed		Rotational Frequency	Power Available in Wind For Swept Area	Estimated Power Output of Turbine for Swept Area
(mph)	(m/s)	(Hz(rps))	(Watts)	(Watts)
17.9	8	0.84	4370.2	1101.3
20.1	9	0.94	6222.4	1568.0
22.4	10	1.04	8535.5	2150.9
24.6	11	1.15	11360.7	2862.9
26.8	12	1.25	14749.3	3716.8
29.1	13	1.36	18752.4	4725.6
31.3	14	1.46	23421.3	5902.2
33.6	15	1.57	28807.2	7259.4

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	51.6	1548.7	18842.3
8 m/s or 17.9 mph	26.4	792.9	9647.4