



Turbine Output Specifications

New technology in wind power.

Swept Area for 6 ft Turbine

2.23 m² 24 ft²

6 foot Turbine

(height 6 ft, diameter 4 ft)



| 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) |
|---------------------------|--------------------------------------|--|--|
| 6.711 3 | 0.78 | 36.9 | 9.3 |
| 8.94 4 | 1.04 | 87.4 | 22 |
| 11.1 5 | 1.31 | 170.7 | 43 |
| 13.4 6 | 1.57 | 295 | 74.3 |
| 15.6 7 | 1.83 | 468.4 | 118 |
| 17.8 8 | 2.09 | 699.2 | 176.2 |
| 20.1 9 | 2.35 | 995.6 | 250.9 |
| 22.37 10 | 2.61 | 1365.7 | 344.2 |

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 | 8.3 | 247.8 | 3015.2 |
| 8 m/s or 17.9 mph | 4.2 | 126.9 | 1543.5 |