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Model	Generator Size	Swept Area	Average production @ 12 mph	Country of Manufacture	Tower Options	Available Phases	Governing Wind Speed	Cost for Average Install	Lifetime Cost per kW-hr	Lifetime Cost w/ 30% Tax Credit
Windspire 1.2g	1200	80	2050	United States	30 – 50 feet	1	35	\$12,500	\$0.30	\$0.21
Raum 1.3	1600	73	2479	Canada	30 – 120 feet	1	45	\$14,000	\$0.28	\$0.20
Proven 7	3200	103.6	5627	Scotland	30 – 120 feet	1	-	\$40,000	\$0.36	\$0.25
Raum 3.5	3500	135	6954	Canada	30 – 120 feet	1	55	\$25,000	\$0.18	\$0.13
Fortis Montana	5200	211	7410	Netherlands	30 – 120 feet	1	55	\$40,000	\$0.27	\$0.19
Proven 11	6000	255.6	9526	Scotland	30 – 120 feet	1	-	\$55,000	\$0.29	\$0.20
Ventura VT10	15000	379.9	16550	United States	50 – 130 feet	1	-	\$60,000	\$0.18	\$0.13
Fortis 10	10200	426	26156	Netherlands	30 – 120 feet	1	55	\$85,000	\$0.16	\$0.11
Gaia 11	11000	1425	35263	Denmark	60 – 130 feet	1/3	56	\$120,000	\$0.17	\$0.12
Proven 35	15000	684.5	30895	Scotland	60 – 140 feet	1/3	-	\$145,000	\$0.23	\$0.16
Jacobs 31-20	25000	754	32070	United States	80 – 140 feet	1	-	\$100,000	\$0.16	\$0.11
Northwind 100	100000	3725	158135	United States	120 feet	3	-	\$550,000	\$0.17	\$0.12

All turbines sold include a 5 year warranty  
 All turbines are UL rated  
 Price does not include any local rebates

**Generator Size** – Listed in watts, this is the maximum that the system could output. Not really important for choosing a turbine but needed when looking at the site to make sure that the transformer is the proper size.

**Swept Area** – Listed in square feet this is the most important indicator of production on a small wind turbine. The power output is a function of the area and a larger area allows similar sized generators to be more efficient at lower speeds.

**Average Production @ 12 mph** – 12 mph is usually the lowest accepted average wind speed that a turbine should be installed in. There are some turbines that produce lower but it is generally discouraged. This number is a good figure to use to compare two turbines because it eliminates many of the variables that can distort turbine production.

**Tower Options** – The minimum height of a tower should be at least 30 feet taller than any object within 500 feet up wind. It is recommended that a turbine should be placed on the tallest tower possible. The only exception for this is Windspire 1.2g, it is to be used in urban settings.

**Governing Wind Speed** – This is the wind speed that the wind turbine starts to shut down to protect itself. The higher the speed the more energy it will produce on very windy days. Some turbines are designed to continue to produce in the highest winds but this is only found on larger models.

**Cost for Average Install** – This is an average install on a moderate sized tower and an average foundation costs. This is a turnkey installation including the interconnection wiring and proper switches. The cost could increase due to the specific conditions of your site. Call for latest pricing.

**Lifetime Cost per kW-hr** – This finds the cost of each kW-hr produced by the a system over an expected 20 yr life. This doesn't take any rebates or other incentives into account, but gives a measure of how systems compare against each other.

**Lifetime Cost w/ 30% tax credit** – This is the lifetime cost including the 30% tax credit that is available from the federal government. This doesn't include any tax credits for production or any state rebate that is available. It also does not include the revenue from the sale of green renewable energy credits.