



# Technical Documentation

## VisionAIR Technical Specifications

Document Number (s): UGE-5M-SPC-001

Original Date: April 30, 2013

Revised On: March 12, 2014

Version: 1.3

Completed by: SVP

Checked by: TM

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# VisionAIR Wind Turbine Specifications

## Physical Information

Axis	Vertical
Height	5.2 m [17'-1"]
Width	3.2 m [10'-6"]
Swept Area	16.6 m <sup>2</sup> [179 ft <sup>2</sup> ]
Weight	756 kg [1665 lbs]
Blade Materials	Fiberglass

## Turbine Operation

Cut-in Wind Speed	3.5 m/s [8 mph]
AWEA Rated Wind Speed	11 m/s [24 mph]
Max Power Wind Speed	14 m/s [31 mph]
Cut-out Wind Speed	20 m/s [44 mph]
Survival Wind Speed	50 m/s [110 mph]
Rated RPM	130 RPM
AWEA Rated Sound Level	38.73 dBA

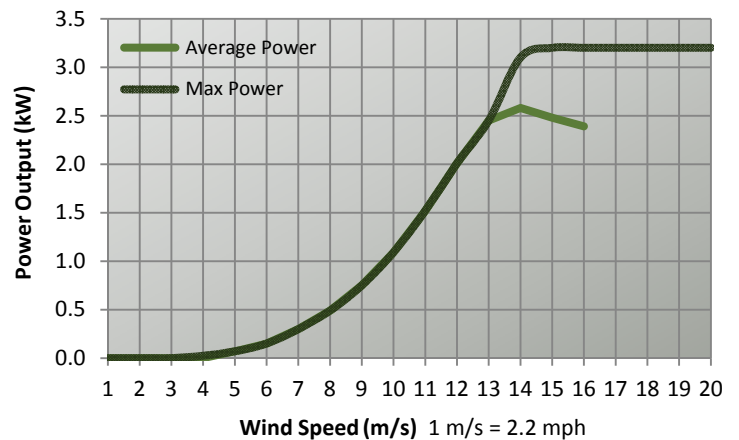
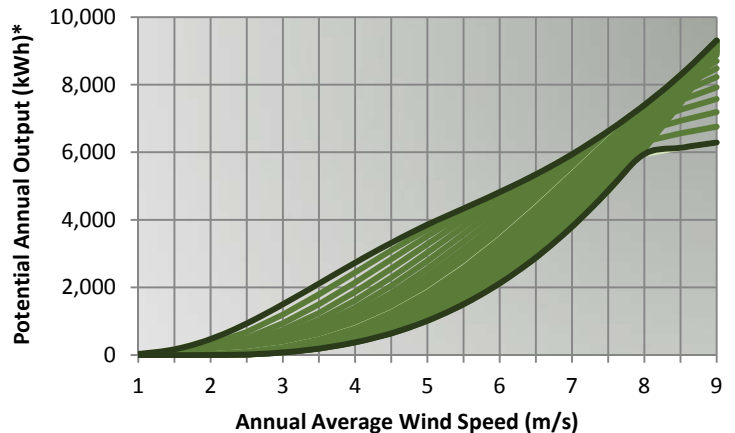
## Electric Generation

Drive System	Direct Drive
Generator UL Rated Power	3.2 kW
Generator Rated Voltage	
Off-Grid	270 V <sub>dc</sub> equivalent
Grid-Tie	530 V <sub>dc</sub> equivalent
Temperature Range	-25 C to 40 C (-14 F to 105 F)
Inverters and Controllers	Available for all locations and regulations

## Certifications

UL 1004 / CSA C22.2	Generator Electrical Safety
IEC 61400-11	Acoustic Noise Measurement
IEC 61400-12	Power Performance Measurement
ISO 9001	Manufacturing Quality Management
CE	European Conformity

**Model Number** UGE-5M



\* Annual energy production is dependent on location wind turbulence and wind speed distribution