

VisionAIR3
Technical Specifications

V-AIR



VisionAir™ 3

Date: June 28, 2018
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Completed By: JL

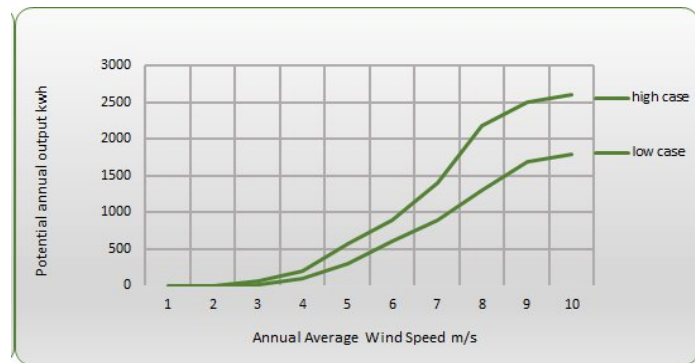
VisionAIR³ Wind Turbine Specifications

Physical Information

Axis	Vertical
Height	3.2 m [10'-6 "]
Width	1.8 m [5'-11 "]
Swept Area	5.76 m ² [62 ft ²]
Weight	274 kg [603 lbs]
Blade Materials	Fiberglass

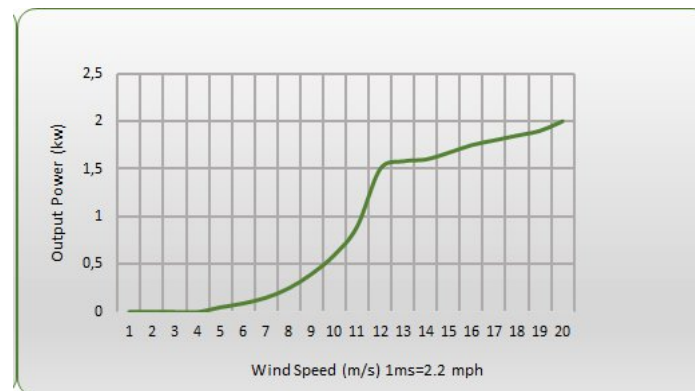
Turbine Operation

Annual Energy at 5.5 m/s	900 kWh
Cut-in Wind Speed	3 m/s [6.7 mph]
Rated Power Wind Speed	12 m/s [27 mph]
Max Power Wind Speed	18 m/s [31 mph]
Cut-out Wind Speed	20 m/s [44 mph]
Survival Wind Speed	50 m/s [110 mph]
Rated RPM	200 RPM



Electric Generation

Drive System	Direct Drive
Rated Power	1.5 kW
Max Power	2.0 kW
Electromagnetic brake	24 V dc
Generator Rated Voltage:	
Off-Grid	270 V _{dc} equivalent
Grid-Tie	350 V _{dc} 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
ISO 9001	Manufacturing Quality Management
CE	European Conformity

* Power data shown measured in ambient conditions in accordance with IEC 61400-12 and includes all electrical inefficiencies.

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