



**VisionAIR5**  
**Technical Specifications**

**VisionAIR<sup>5</sup>**

Original Date : June 20, 2018

Version :3

Completed by : PL

Revised On :

May 19, 2020

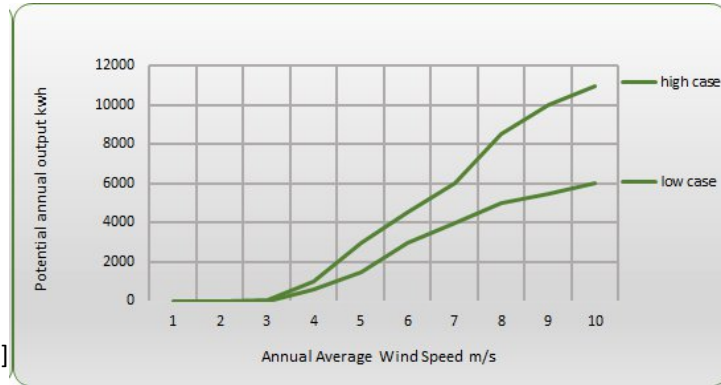
Checked by :

JL

# VisionAIR5 Technical Specifications

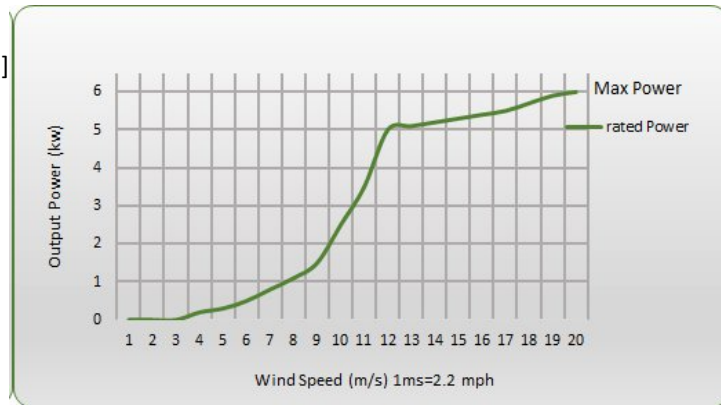
## Physical Information

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	3.2 m/s [4.1 mph]
Rated Power Wind Speed	12 m/s [28 mph]
Max Power Wind Speed	15 m/s [33 mph]
Cut-out Wind Speed	20 m/s [44 mph]
Survival Wind Speed	50 m/s [110 mph]
Rated RPM	130 RPM
Rated Sound Level	38,73 dBA



## Electric Generation

Drive System	Direct Drive
Rated Power	5 kW
Max Power	6 kW
Electromagnetic brake	24 Vdc
Generator Rated Voltage:	
Off-Grid	270 V <sub>dc</sub> equivalent
Grid-Tie	350/530 V <sub>dc</sub> equivalent
Temperature Range	-25 °C à 40 °C [-14 °F à 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

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