



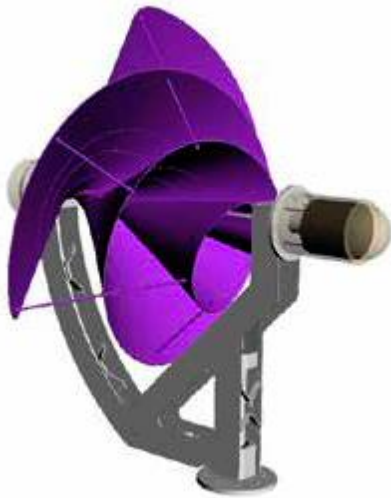
## *Mini*

**The Archimedes is an innovative wind turbine design: small, silent, and affordable. Based upon the writings and methods of the Greek mathematician Archimedes the design mimics a shellfish, the Nautilidae (translated as sailor). We did 10 years research and development of the wind turbine Mini, and the results are spectacular.**

Main characteristics of this innovative design are high efficiency, low cut-in wind speed providing for the highest yield (W/m<sup>2</sup>)\*, silent operation, insensitive to turbulence, low maintenance, and an organic appearance. All together this wind turbine is able to generate about five times more energy than standard wind turbines of the same diameter.

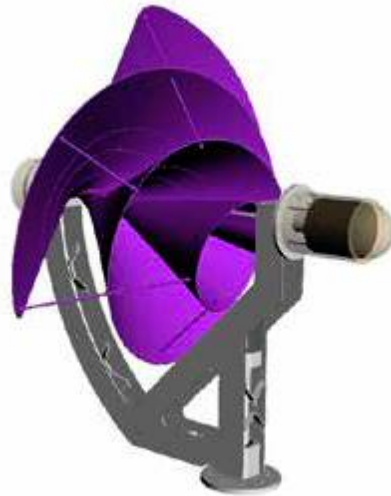


## Mini specifications



Maximum Power	250 watt
Rated power at 10ms-1	114 watt
Rated power at 12ms-1	196 watt
Cut in wind speed	2.5 m/s
Overall efficiency	40%
Survival wind speed	35 m/s

Number of blades	3
Blade diameter	0,75m
Production Certificates	ISO 9001, CE, IPE (MCS, CSA)
Patents UWM	more then 5



Inverter /controller	0.25 or 0.3 kW
Type on grid/off controller	AC-AC on grid tie inverter/off grid AC-DC
Generator – Phases	3
Generator – Poles	12-6 pairs
Output voltage	0-24 V

Maximum RPM at 35ms-	1 600
Operating temperature	-25 to +60 °C
Safety systems	Electrical, mechanical, manual
Turbine controller	Mppt or PMW
Starting system	Self-starting
Yaw controller	None, yawing by shape of the rotor

Material blades	Glass fiber or Injection mold blades
Material body-parts	Steel / aluminum
Weight (approx)	32 Kg
Length x Width x Height	750 x 1100 x 910 mm
Maintenance	low
Warranty	2 years limited warranty

Research & Development

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