

ARCHIMEDES WIND MILL



"Let's Give Flower to the Nature."

- Archimedes Wind Mill -

WE ARE MAKING THE GREEN WORLD



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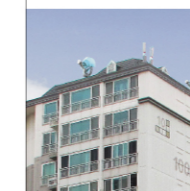
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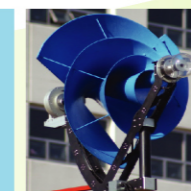


AWM

Archimedes Wind Mill



High
Efficiency



Low
Noise



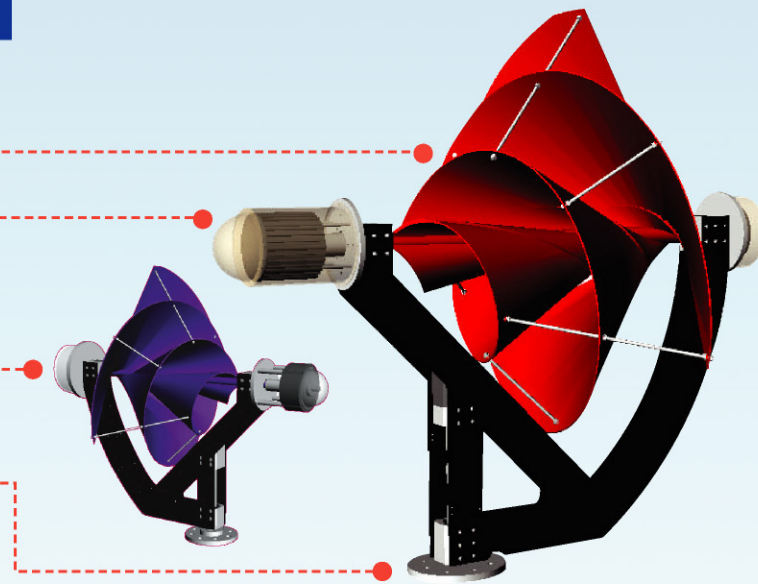
Landscape
Design



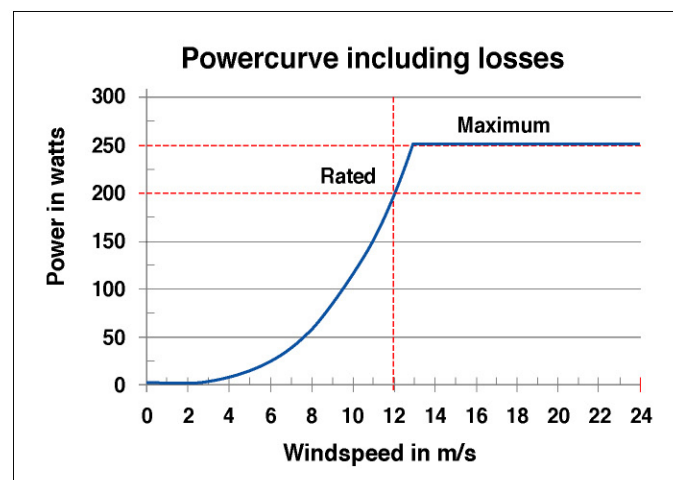
SPECIFICATION

Part Description

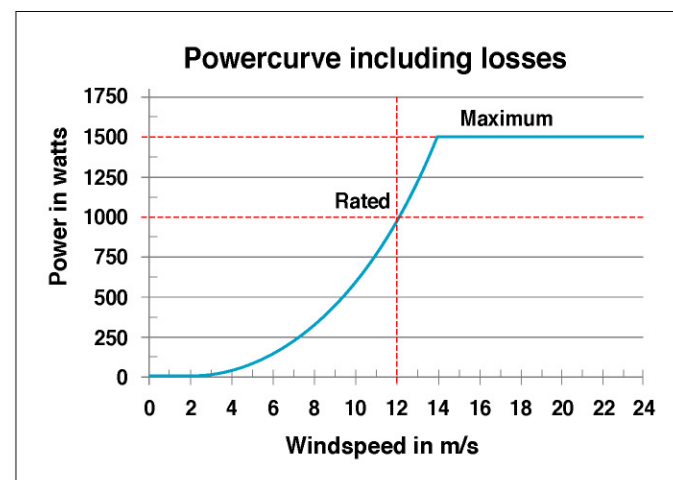
- 01 Spiral Blade
- 02 Generator
- 03 Magnetic Brake
- 04 Frame with Yawing System



PRODUCT		THE LIAM WIND TURBINE F1	
MODEL NAME		AWM - 750D - 250W	AWM - 1500D - 1000W
POWER	RATED	200 W	1000 W
	MAXIMUM	250 W	1500 W
WIND SPEED	OPERATING	0.9 m/s (cut in : 3 m/s)	
	RATED	12 m/s	
	CUT OUT	25 m/s	
BLADE RPM	RATED	400	
	CUT OUT	600	
SIZE		0.75m(W) x 1.1m(L) x 9.1m(H)	1.5m(W) x 1.9m(L) x 1.75m(H)
WEIGHT		32 Kg	130 Kg
CONTROL SYSTEM		MTTP control, Auto & Manual Braking System	



▶ AWM - 750D - 250W



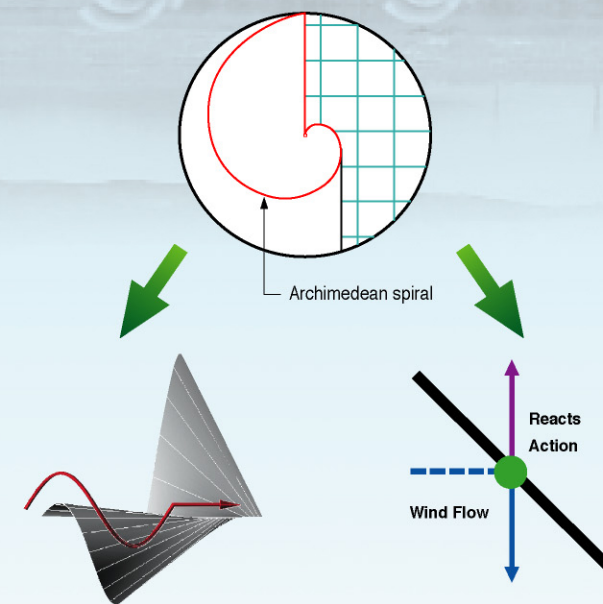
▶ AWM - 1500D - 1000W

Strong Point

01 HIGH EFFICIENCY

Double Efficiency more than Propeller blade.

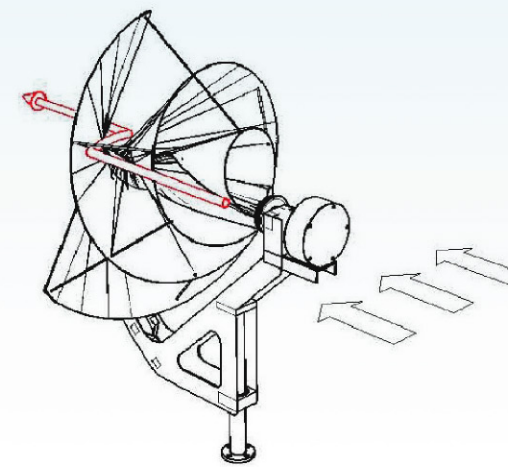
Not only drag energy applying on inclined plane of blade, but also pressure gradient occurring between rapid air flow which is passing through blade to rearward and slow air flow from front part of blade rotate blades so that it contains merits of both drag type and lift type. Also, facility availability is high due to large range of TSR operation.



02 LOW NOISE

Less than 48dB at the Rated RPM.

Air flow isn't blocked due to spiral unlimited orbit shape contrast with existing wind generator and emit naturally to rearward. Also, front air entrance path is wedge type with inclined plane shape which causes almost zero wind passing noise.



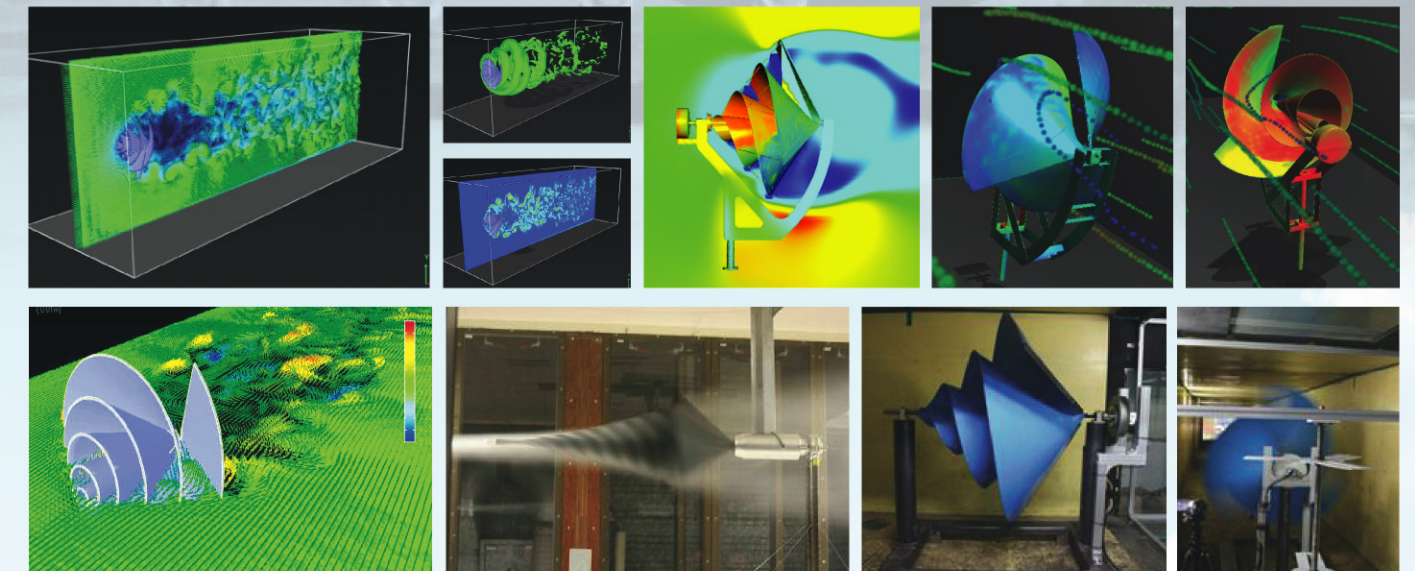
03 URBAN DESIGN

Resembling the Shape of a Flower.

With differentiated design reminding of rose, we get visual publicity effect and suitability to apply on urban scenery which contains artistry.



ANALYSIS



SYSTEM

