

ARCHIMEDES WIND MILL



HELPING TO MAKE THE WORLD GREEN



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High
Efficiency



Low
Noise

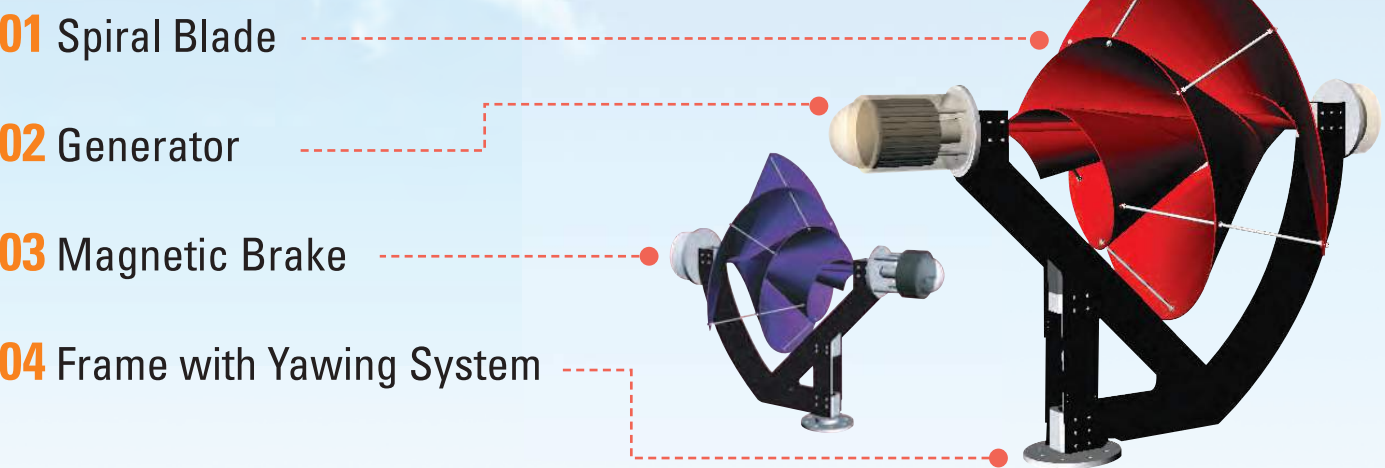


Landscape
Design

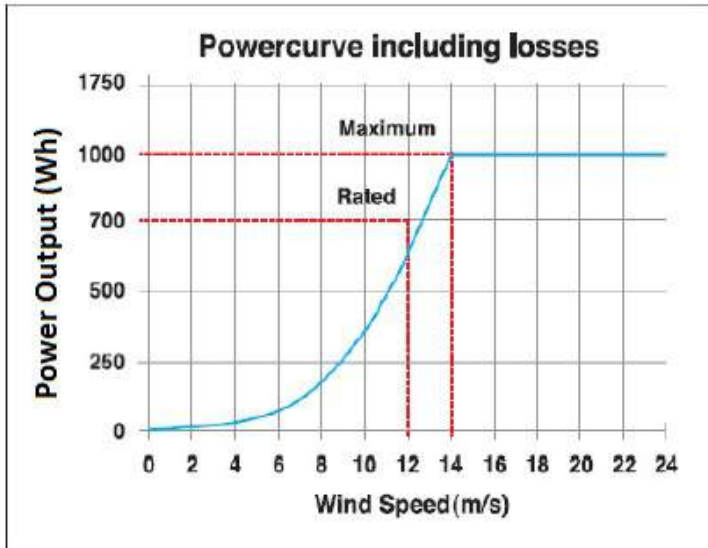
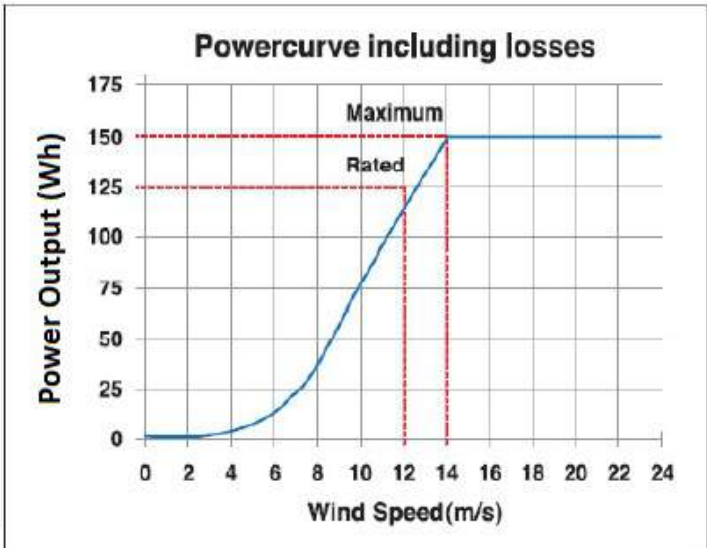


SPECIFICATION

Part Description



AWM wind turbines			
MODEL NAME		AWM - 750D - 150W	AWM - 1500D -1000W
POWER	RATED	125W	700W
	MAXIMUM	150W	1000W
WIND SPEED	OPERATING	0.9m/s (Cut in : 3m/s)	
	RATED	12m/s	
	CUT OUT	14m/s	
	SURVIVAL	50m/s	
BLADE RPM	RATED	600	330
	CUT OUT	600	400
SIZE		0.75m(W) x 1.1m(L) x 0.91m(H)	1.5m(W) x 1.9m(L) x 1.75m(H)
WEIGHT		32Kg	120Kg
CONTROL SYSTEM		MPPT control, Auto & Manual Braking System	

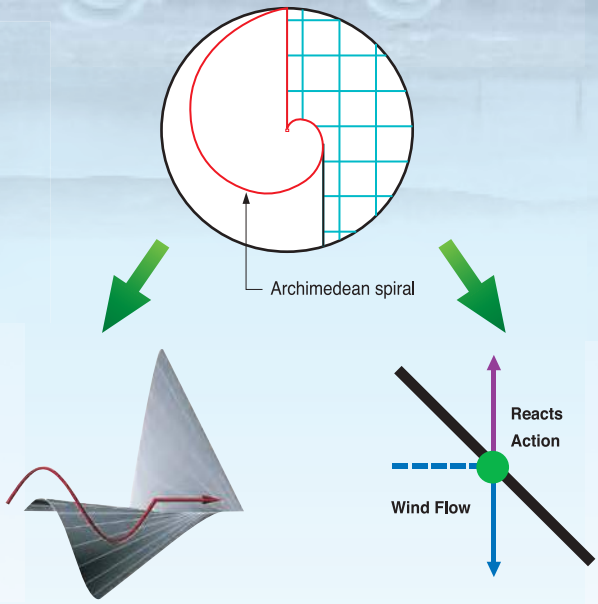


Outstanding Features

01 HIGH EFFICIENCY

Double Efficiency more than Propeller blade.

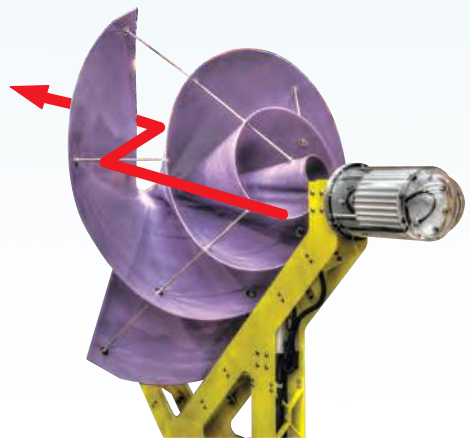
Not only drag energy applying on inclined plane of blade, but also pressure gradient occurring between rapid air flow which is passing through blade to rearward and slow air flow from front part of blade rotate blades so that it contains merits of both drag type and lift type. Also, facility availability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



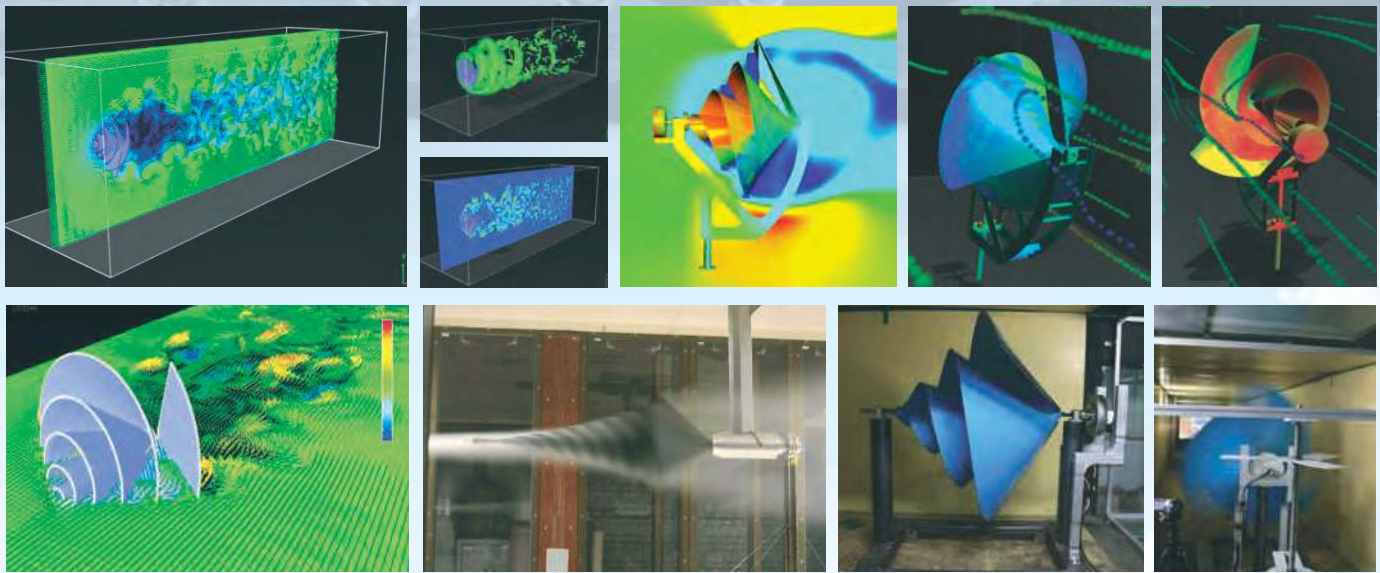
03 URBAN DESIGN

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

