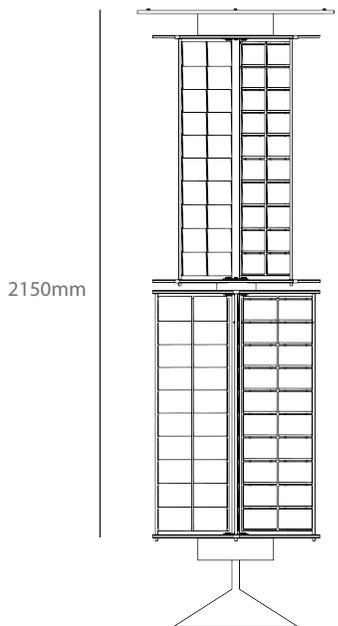
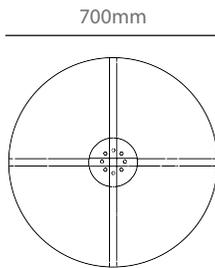
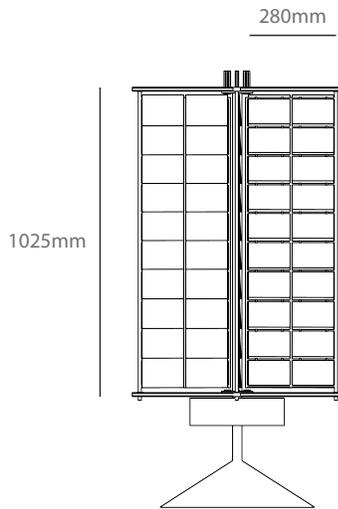


# T-VAWT Specs



## Specs

Simplistic installation

Low shipping cost

Low rotational speed minimizes noise pollution as well as wildlife casualties

Less decibels generated from rotation

30% lower height requirement than similarly rated horizontal axis wind turbines

## Standard

White and clear shaded top and bottom turbine discs, center shaft, 4 magnetically set blades with flaps preattached, 1 generator with mounting socket.

## Options

Cold Package for areas  $-15^{\circ}\text{C}/5^{\circ}\text{F}$  and lower. Utilizes materials that will not shatter under extreme cold as well as replaces standard lubes, which become thicker during sub freezing temperatures, inhibiting peak performance.

Colored polymers on flaps, blades and turbine discs for business promotion, matching with nearby establishments, or environmental blending.

Soundless upgrade for wind turbines located in residential areas. This package utilizes contactless magnetic repulsion to absorb flap and blade transitions canceling out the sound resulting from collisions.

Portable Package comes with a stand and lighter components so that the turbine can be relocated to different areas as desired.

The Semi-Submersible package includes fillable(water ballast) and inflatable(air ballast) that create a stable platform for the turbine to operate from. The package also alters standard turbine components to negate heightened offshore corrosion.

Double stacked option allows you to link two wind turbines vertically for combined power output at one location. The package includes a connecting spacer, 2 generators, 2 wind turbines, top halo mounting ring for attaching guide wires for stabilizing the structure, and a bottom platform base.

## Warranty

1 year blade warranty (Standard)

2 year blade warranty (Extended)

5 year body warranty (Standard)

10 year generator warranty (Standard)

## Delivery

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### 10 days

Standard wind turbines are ready to ship internationally 10 days after order reception.

### 1 - 1.5 months

Off-shore platform systems require more time to package for safe shipment. Bulk shipping container orders are recommended for these systems.

## Performance

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Cut in Speed 1 meter per second

Inherently limited 125 rpm rotation

## Range

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Turbine shipping weight 40kg/88lbs\*

Single turbine supports 1kW-20kW generators

## Output

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Tested

1.5kW 24vdc generator +150ohm load (G)4.5ms wind = 6vdc

AC and DC units are available

## Parts

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Standard

2 caps + 4 blades with 1 center support shaft

Double stacked

4 caps + 8 blades with 2 center support shafts, halo ring, spacer chuck and 4 support cables

## Colors

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Standard

white metal frames with clear polymers on flaps and caps

Optional

Crow: black metal frames with black polymers for flaps and fuchsia polymers on caps

Hydro: stainless blade frames, white colored main frame and disc caps, royal blue polymer on caps and powder white on flaps

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\*inquire for other combinations

\* does not include generator