



## PK50-AB

### Vertical Axis Wind Turbine (VAWT)

#### Performance

Rated Power	50kW
Max Power	60kW
Rated Wind Speed	13m/s
Cut-In Speed	2m/s
Cut-Out Speed	30m/s
Survival Wind Speed	60m/s

#### Physical Parameters

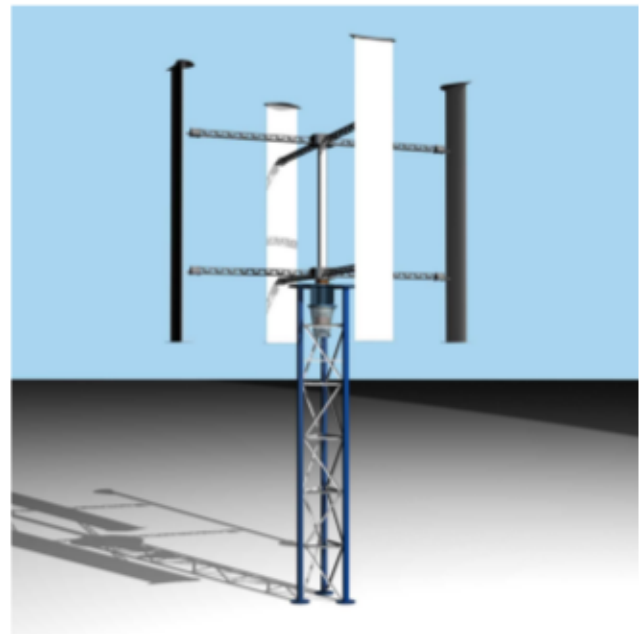
Mill Diameter	12m
Mill Height	9m
Mill Weight	12 ton
Blade Number	4
Blade Material	FRP
Tower Height	11.5m
Tower Style	Triangle Truss Structure

#### Generator Parameters

Type	PMG 3 Phase
Rated Voltage	AC 400V
Rated Current	AC 72.3A

#### Protection & Braking System

Speed Control Style	Active Hydraulic Pitch Control
Brake Style	Automatic Hydraulic Brake
Protection Level	IP54
Remote Monitoring System	



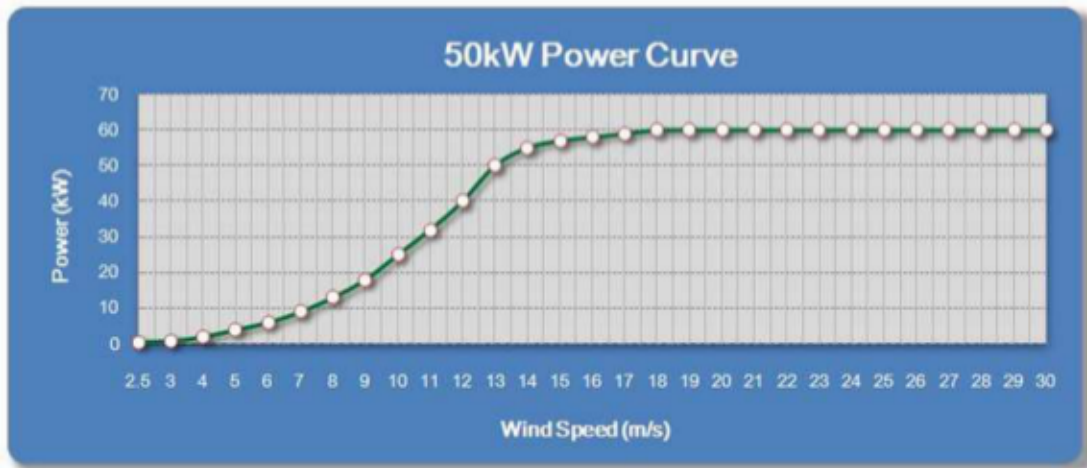
#### Advantages

- Nearly Quiet
- Birds Friendly
- More Safety Features
- Wonderful Performance at Lower Wind Speed
- Captures Wind from All Directions
- Higher Efficiency
- Longer Working Life
- Less Maintenance
- Less Requirements on Foundation
- Lower Supporting Tower





## Power Curve



## Annual Energy Production

Average Wind Speed (m/s)	2	3	4	5	6	7	8	9	10	11	12	13
Production (kWh)	4396	14032	31340	57137	90135	127056	164331	199084	229232	253493	271388	283117

## Packing Size

A 40' open top container load one unit.

## Application

